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CONTAMINATION ASSESSMENT REPORT ADDENDUM FOR SITE 278 NSA PANAMA CITY FL

5/1/1995

ABB ENVIRONMENTAL SERVICES

CONTAMINATION ASSESSMENT REPORT ADDENDUM
SITE 278

COASTAL SYSTEMS STATION PANAMA CITY
PANAMA CITY, FLORIDA

Unit Identification Code (UIC): N61331

Contract No. N62467-89-D-0317/011

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May 1995

CERTIFICATION OF TECHNICAL
DATA CONFORMITY (MAY 1987)

The Contractor, ABB Environmental Services, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/01 are complete and accurate and comply with all requirements of this contract.

DATE: May 2, 1995

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Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL: Michael J. Williams
Project Technical Lead

(DFAR 252.227-7036)

PROFESSIONAL REVIEW CERTIFICATION

This contamination assessment report addendum was prepared using sound hydrogeologic principles and judgment. This assessment is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the assessment and recommendations in this report. This contamination assessment report addendum was developed for Site 278 at the Coastal Systems Station in Panama City, Florida, and should not be construed to apply to any other site.

Michael J. Williams
Professional Geologist
P.G. No. 344

5/4/95
Date

FOREWORD

To meet its mission objectives, the U.S. Navy performs a variety of operations, some requiring the use, handling, storage, or disposal of hazardous materials. Through accidental spills and leaks and conventional methods of past disposal, hazardous materials may have entered the environment in ways unacceptable by today's standards. With growing knowledge of the long-term effects of hazardous materials on the environment, the Department of Defense (DOD) initiated various programs to investigate and remediate conditions related to suspected past releases of hazardous materials at their facilities.

One of these programs is the Comprehensive Long-Term Environmental Action, Navy (CLEAN) Underground Storage Tank (UST) program. This program complies with Subtitle I of the Resource Conservation and Recovery Act (RCRA) and the Hazardous and Solid Waste Amendment (HSWA) of 1984. In addition, the UST program complies with all appropriate State and local storage tank regulations as they pertain to each naval facility.

The UST program includes the following activities:

- registration and management of Navy and Marine Corps storage tank systems,
- contamination assessment planning,
- site field investigations,
- preparation of contamination assessment reports,
- remedial (corrective) action planning,
- implementation of the remedial action plans, and
- tank and pipeline closures.

The Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) manages the Navy UST program and the Florida Department of Environmental Protection (FDEP), formerly Florida Department of Environmental Regulation [FDER]) oversees the Navy UST program at Coastal Systems Station (CSS) Panama City, Florida.

Questions regarding the UST program at CSS Panama City should be addressed to Gabriel Magwood, Code 1849, at (803) 743-0307.

EXECUTIVE SUMMARY

A contamination assessment (CA) of Site 278 was conducted and a Contamination Assessment Report (CAR) was submitted to the Florida Department of Environmental Protection (FDEP) in July 1993. The FDEP reviewed the CAR and requested additional information and clarification of site data. ABB Environmental Services, Inc. (ABB-ES), performed additional work at the site and provided data clarification in a CAR addendum submitted to the FDEP November 12, 1993. Following a review of the CAR, the FDEP requested further data clarification, a supplemental soil assessment in the vicinity of the Site 278 underground storage tanks (USTs), resampling selected wells, and collection and analyses of surface water and sediment samples from Alligator Bayou.

In response to FDEP's request for additional assessment and site information in their letter dated March 4, 1994, ABB-ES performed a supplemental investigation from February 1 to February 4, 1995. This field investigation consisted of 16 hand-augered soil borings in the UST area of the site and soil sample collection for headspace analyses using an organic vapor analyzer (OVA). Groundwater samples were collected and analyzed for constituents of the kerosene analytical group. Surface water and sediment samples were collected from Alligator Bayou and analyzed for constituents of the kerosene analytical group. A review of interim remedial action (IRA) and free product recovery records for Site 278 was conducted at the activity.

Findings

- A review of the IRA data and free product recovery records for Site 278 indicates that approximately 15 gallons of free product have been recovered to date since February 1993, and that the amount of free product accumulating in the monitoring wells is declining.

- OVA headspace analyses of soil samples collected from 16 hand-augered borings did not detect significant levels of hydrocarbon contamination in soil around the USTs.

- Groundwater level measurements in site monitoring wells on February 2, 1995, and subsequent groundwater elevation data confirmed the hydrologic conditions previously assessed at the site.

- Laboratory analytical results confirm that total naphthalenes and total recoverable petroleum hydrocarbon (TRPH) analytes exceed Chapter 62-770, Florida Administrative Code (FAC), groundwater target levels in the vicinity of monitoring wells MW-4, MW-5, and MW-6 only.

- Low level concentrations of chlorinated compounds previously detected in groundwater samples from some site monitoring wells are suspected to be laboratory contamination. Chlorinated compounds were not detected in any of the groundwater samples collected in February 1995.

- Analytical results of surface water samples collected in Alligator Bayou adjacent to Site 278 reported no detections of any of the target analytes. However, the analytical results for the surface

water sediment samples reported elevated concentrations of polynuclear aromatic hydrocarbons (PAHs), TRPHs, and lead.

Conclusions

- Since February 1993, approximately 15 gallons of free product have been recovered from monitoring well MW-5. Free product continues to accumulate in monitoring well MW-5; however, the thickness of the free product is apparently decreasing with time.

- OVA headspace analyses of soil samples collected from 31 soil borings indicate no excessively contaminated soil in the vadose zone at the site.

- The extent of groundwater contamination (benzene, toluene, ethylbenzene, and xylenes [BTEX]; PAH; and TRPH) exceeding FDEP guidance concentrations is limited to a small area south of the USTs around monitoring wells MW-4, MW-5, and MW-6.

- Historical and current analytical results have documented a decline in BTEX, PAH, and TRPH concentrations in groundwater samples collected at the site. The decline in contaminant concentrations is likely the result of source abatement and interim remedial action (free product removal).

- Low concentrations of chlorinated compounds detected previously in groundwater samples from site monitoring wells were not detected in the supplemental CA; therefore, chlorinated compounds do not appear to be a concern at Site 278.

- Lead detected in groundwater samples collected during the previous CA was probably caused by turbid samples and dissolution of particulates entrained in the sample matrix during preservation. The results of the February 1995 groundwater sampling from site monitoring wells collected with a peristaltic pump under low-flow quiescent sampling conditions indicate that lead was not present above the method detection limits in any of the groundwater samples.

- Historical and current analytical results indicate that the groundwater contaminant plume appears to have stabilized.

- Surface water samples collected from Alligator Bayou adjacent to Site 278 indicate that petroleum contaminants from the site are apparently not impacting the bayou.

- Elevated PAH, TRPH, and lead concentrations detected in surface water sediment samples collected adjacent to Site 278 are similar to concentrations detected in surface water sediment samples elsewhere in the bayou. The data do not indicate that Site 278 is the source of contamination of the Alligator Bayou sediment samples. The source of contamination is apparently due to naval vessel activities and operations.

Recommendations

Based on the findings of the Site 278 CA, ABB-ES recommends continuing the IRA to remove free product to abate the source of groundwater contamination. Concurrent with source removal, a remedial action plan in accordance with Chapter 62-770, FAC, is proposed for the site.

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Panama City, Florida

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
AOC	Area of Concern
bls	below land surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CA	contamination assessment
CAR	Contamination Assessment Report
cc	cubic centimeter
CLEAN	Comprehensive Long-Term Environmental Action, Navy
COC	chain of custody (chain-of-custody)
ComQAP	Comprehensive Quality Assurance Plan
CSS	Coast Systems Station
CWL	corrected water level
1,2-DCE	1,2-dichloroethene
DOD	Department of Defense
DTP	depth to product
DTW	depth to water
EDB	ethylene dibromide
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
FID	flame ionization detector
ft bls	feet below land surface
ft btoc	feet below top of casing
ft/day	feet per day
ft msl	feet mean sea level
HSWA	Hazardous and Solid Waste Amendment
IRA	Interim Remedial Action
µg/kg	micrograms per kilogram
µg/ℓ	micrograms per liter
mg/kg	milligrams per kilogram
mg/ℓ	milligrams per liter
MS/MSD	matrix spike and matrix spike duplicate
ND	not detected
NM	not measured
NR	no recovery
NS	not surveyed
OVA	organic vapor analyzer
PAH	polynuclear aromatic hydrocarbons
ppb	parts per billion
ppm	parts per million

GLOSSARY (Continued)

QA/QC	quality assurance and quality control
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SOUTHNAV FACENGCOM	Southern Division, Naval Facilities Engineering Command
SVOC	semivolatile organic compound
SWMU	Solid Waste Management Unit
TOC	top of casing
TRPH	total recoverable petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOA	volatile organic aromatic
VOC	volatile organic compound
VOC/SVOC	volatile organic compound and semivolatile organic compound

1.0 SITE BACKGROUND

1.1 SITE DESCRIPTION. Site 278 is located adjacent to the east pier on Alligator Bayou at the Coastal Systems Station (CSS), Panama City, Florida (Figure 1-1). The site consists of two 15,000-gallon, double-walled, steel underground storage tanks (USTs) with resin coating and interstitial leak detection. The USTs are buried in a grassy area located approximately 65 feet north of the seaward edge of an adjacent pier (Figure 1-2). The adjacent pier is constructed of reinforced concrete and steel and is used as a refueling and re-supply station for docking naval vessels. A schematic diagram of the pier is presented on Figure 1-3.

1.2 SITE HISTORY. Site 278 was the former location of four 7,500-gallon USTs. Two of the USTs were installed in 1964 and were constructed of asphalt-coated steel. The other two USTs were installed in 1977 and were constructed of fiberglass. All of the USTs were used to store diesel fuel and all had asphalt-coated steel piping. The four USTs were excavated and removed in 1989 and replaced with the USTs currently at the site.

During excavation and removal of the former USTs, detections of hydrocarbon vapor concentrations exceeding the range of the organic vapor detector in use at that time were reported. A visual inspection of the UST excavation area indicated petroleum-stained soil beneath the former USTs. An unknown volume of soil was removed from the pit and transported offsite for disposal. Also an unknown volume of soil from the excavation was spread over plastic and allowed to aerate. Soil samples were reportedly collected by the tank removal contractor and analyzed by an FDEP certified analytical laboratory to evaluate soil disposal characteristics. The analytical results of the soil samples were provided to the receiving disposal facility. The disposal facility where the contaminated soil was taken is also unknown. No groundwater samples were collected from the UST pits for analyses during the tank excavation work. A Tank Closure Report was not submitted to the activity by the tank removal contractor. Disposal manifests were also not provided to the activity and by the tank contractor.

Previous Site Investigations. A contamination assessment (CA) of Site 278 was conducted and a Contamination Assessment Report (CAR) was submitted to the Florida Department of Environmental Protection (FDEP) in July 1993. The FDEP reviewed the assessment and requested additional information and clarification of site data. ABB Environmental Services, Inc. (ABB-ES), performed additional work at the site and provided data clarification in a CAR addendum submitted to the FDEP November 12, 1993. Following a review of this updated information, the FDEP requested further data clarification, a supplemental soil assessment in the vicinity of the tanks, resampling selected wells, and collection and analyses of surface water and sediment samples from the Alligator Bayou.

In response to FDEP's request for additional assessment and site information in their letter dated March 4, 1994, ABB-ES performed a supplemental investigation to complete the CA of the site. The FDEP correspondence of March 4, 1994, is attached in Appendix A.

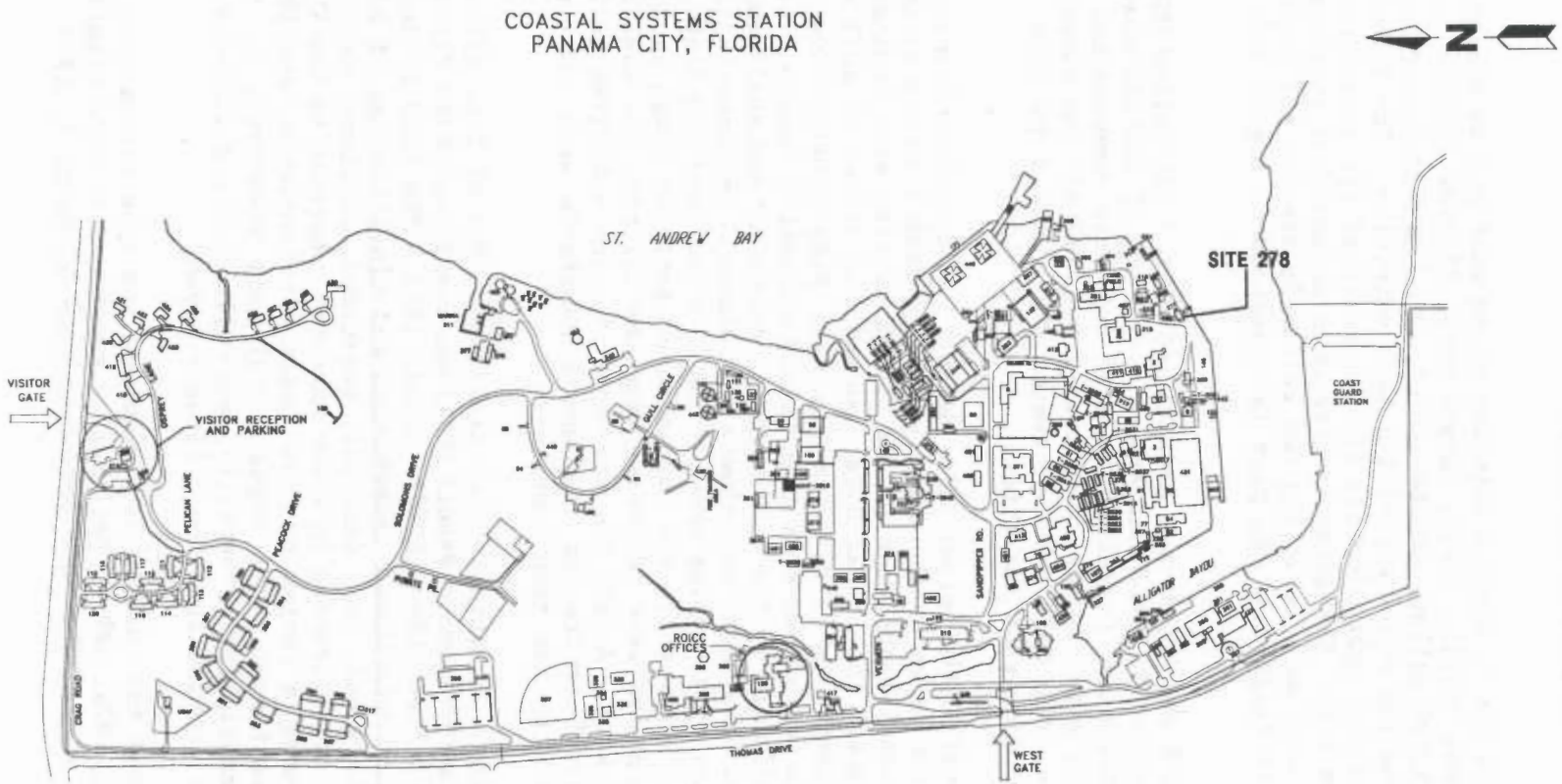

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FIGURE 1-1
SITE LOCATION MAP

CONTAMINATION ASSESSMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

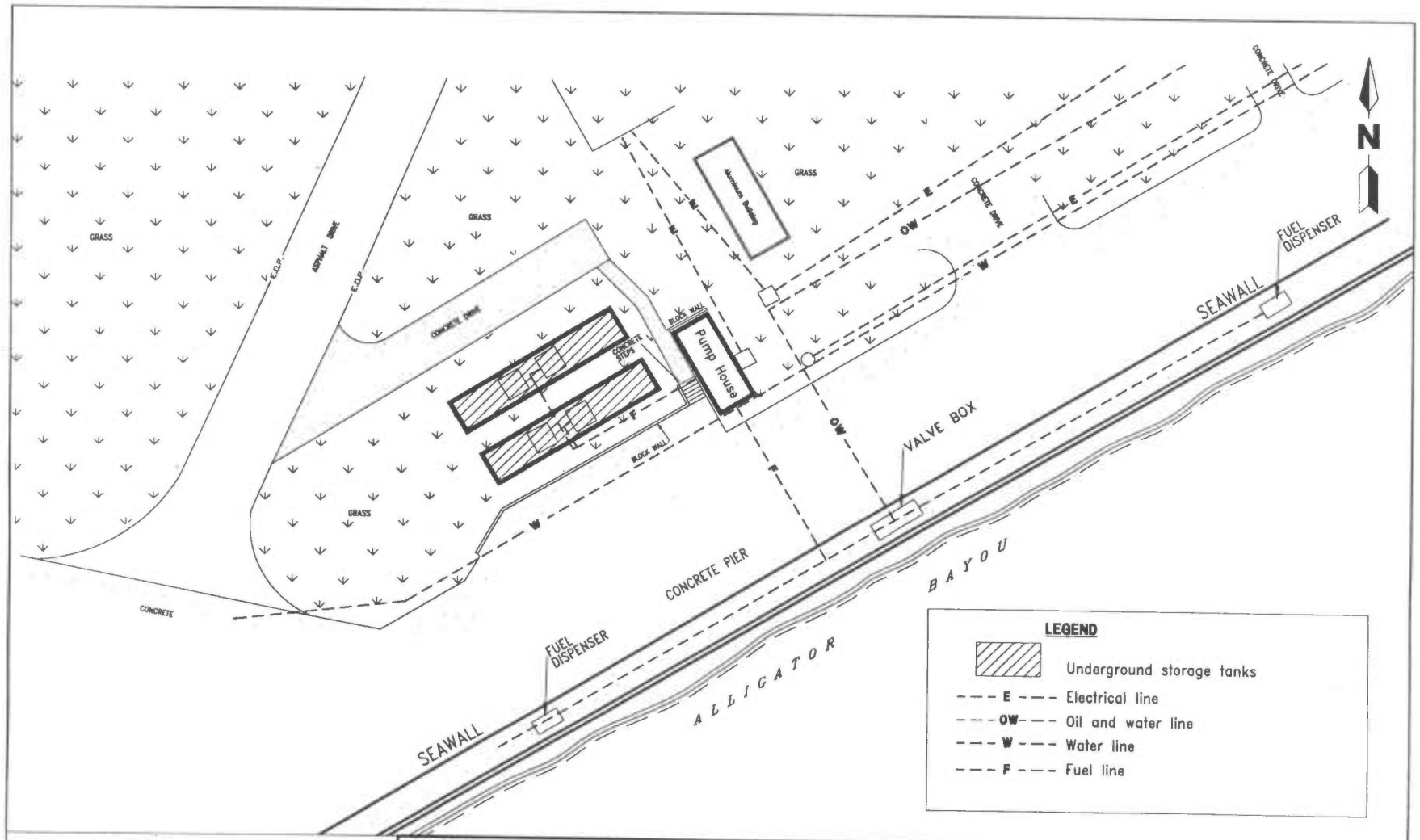

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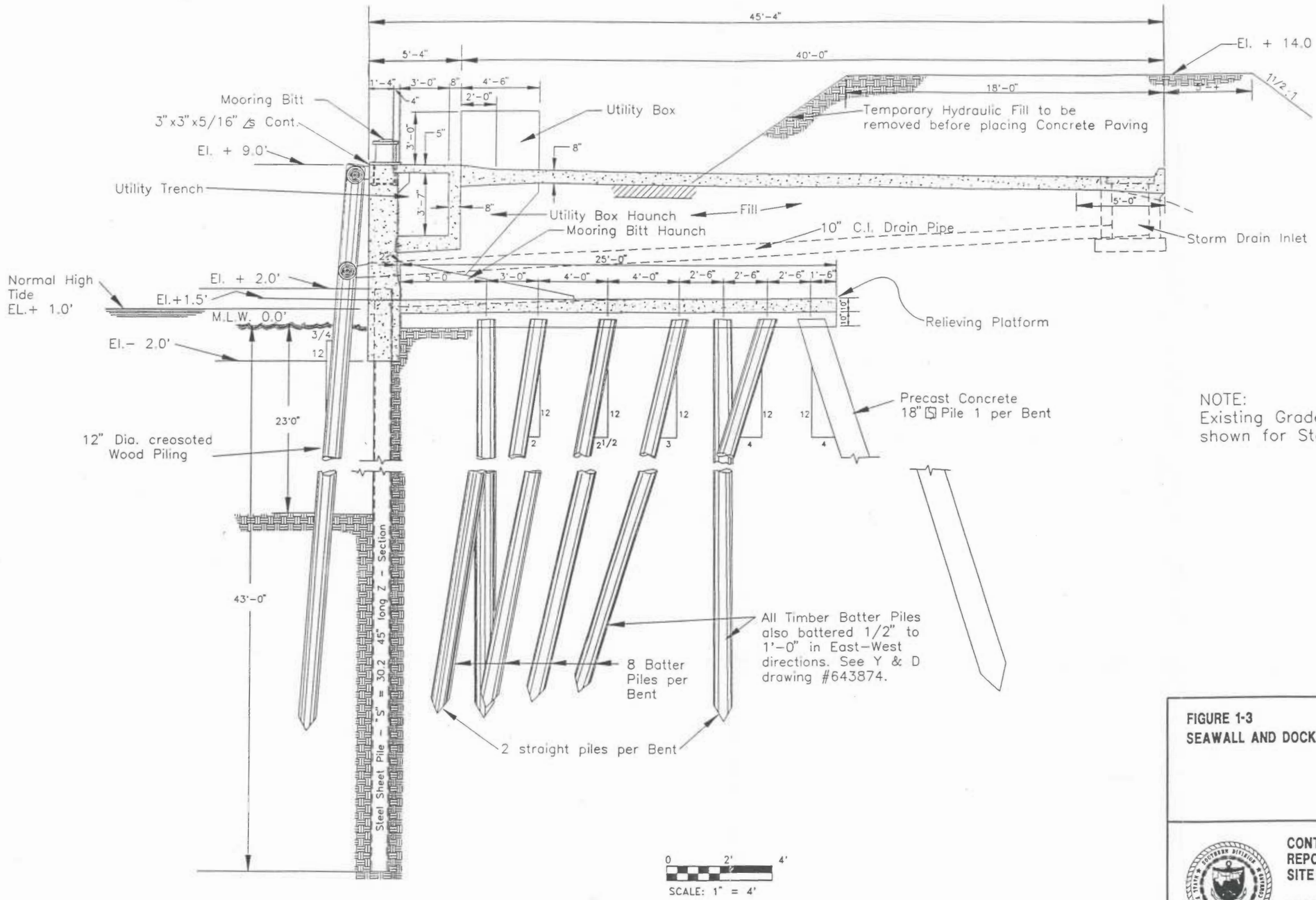
FIGURE 1-2
SITE PLAN

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION
PANAMA CITY, FLORIDA



NOTE:
Existing Grade Elevation shown for Stations 0,1,2,3,4

SOURCE: RADER ENGINEERING CO., MIAMI, FL. 5/16/55

FIGURE 1-3
SEAWALL AND DOCK CROSS SECTION

CONTAMINATION ASSESSMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

1.3 SUPPLEMENTAL INVESTIGATION WORK SCOPE. The work scope performed during the supplemental investigation conducted from February 1 to February 4, 1995, to complete the CA of Site 278 included:

- installation of 16 hand-augered soil borings to approximately 9.5 feet below land surface (bls) around the USTs;
- organic vapor headspace analyses of soil samples collected from the above-referenced soil borings at 0 to 1 foot bls, 2.5 to 3.5 feet bls, 5.5 to 6.5 feet bls, and 8.5 to 9.5 feet bls;
- groundwater level measurements in all site monitoring wells and evaluation of site groundwater elevation data;
- groundwater sample collection from all site monitoring wells (except wells MW-278-5 and recovery wells IRA-MW1 and IRA-MW2) and analyses of the groundwater samples for the kerosene analytical group parameters;
- collection and analyses of surface water and sediment samples from the Alligator Bayou for kerosene analytical group parameters; and
- record review and summary of free product recovery data at the site.

2.0 METHODOLOGIES AND EQUIPMENT

2.1 SOIL BORING PROGRAM. Sixteen soil borings (SB-16 through SB-31) were advanced to approximately 9.5 feet bls around the USTs using hand augers. Soil samples were collected from the borings at 0 to 1 foot bls, 2.5 to 3.5 feet bls, 5.5 to 6.5 feet bls, and 8.5 to 9.5 feet bls. The soil samples were screened for organic vapors with an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). Standard headspace analysis was used to screen the samples as defined in Chapter 62-770.200(2), Florida Administrative Code (FAC). Lithologic logs for soil borings SB-16 through SB-31 are presented in Appendix B.

2.2 GROUNDWATER ELEVATION SURVEY. Groundwater and free product levels were measured in site monitoring wells using an electronic water level indicator with an accuracy of 0.01 foot. Groundwater elevations at the wells were calculated by subtracting the measured depth to water (DTW) from the surveyed top of casing (TOC) elevation. The groundwater elevation survey of the site was conducted to evaluate current groundwater conditions and confirm historical investigation results.

2.3 GROUNDWATER SAMPLING PROGRAM. Groundwater samples were collected from the site monitoring wells in accordance with ABB-ES' FDEP-approved Comprehensive Quality Assurance Plan (ComQAP). Monitoring well MW-5 was not sampled because free product was present in the well. The IRA wells, IRA-MW1 and IRA-MW2, were not sampled because the recovery wells are located very close to monitoring wells MW-4 and MW-6. The sampled wells were purged of a minimum of three well volumes with pH and temperature parameters of the purge water monitored to ensure a proper well purge. With the exception of the groundwater samples collected for lead analyses, all groundwater samples were collected using pre-cleaned, Teflon™ bailers. The groundwater samples were collected for lead analysis with a peristaltic pump using the low-flow "quiescent" sampling method to obtain samples with little or no turbidity. In accordance with Chapter 62-770, FAC, the groundwater samples were analyzed for the kerosene analytical group parameters.

Groundwater samples from the site monitoring wells were collected on February 2 and 3, 1995. Groundwater samples were collected for lead analyses the day after groundwater samples were collected for polynuclear aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TRPH), volatile organic aromatics (VOA), and ethylene dibromide (EDB) analyses to allow suspended sediment in the water column to settle out. Quality assurance and quality control (QA/QC) samples were collected to document proper sampling and decontamination procedures used in the field. The QA/QC samples included equipment rinsates, trip blanks, duplicates, matrix spike, and matrix spike duplicate (MS/MSD) samples. Duplicate samples for lead analyses were collected from monitoring wells MW-9 and MW-12, whereas duplicate samples for PAH, TRPH, VOA, and EDB analyses were collected from monitoring wells MW-4 and MW-6. Duplicate samples were labeled MW-4D, MW-6D, MW-9D, and MW-12D. The sample labeled MW-13D is from the deep vertical extent monitoring well. No duplicate sample was collected from monitoring well MW-13D. All samples were placed in the appropriate sample containers, preserved (as required), and placed on bagged ice prior to shipment to the analytical laboratory. The samples were shipped via Federal Express™ to Quanterra, Inc.

located in Tampa, Florida. Copies of the chain-of-custody (COC) records are attached in Appendix C. Copies of the analytical laboratory reports are presented in Appendix D.

2.4 SURFACE WATER AND SEDIMENT SAMPLING. Surface water and sediment samples were collected at two locations in Alligator Bayou in the vicinity of well MW-5 as requested by FDEP. At each location, surface water samples were collected with a beta bottle sampler at the surface, mid-depth, and bottom levels to obtain discrete depth interval samples. Sediment samples were collected from the bayou bottom directly below the sampled water column using a bomb sampler. The surface water and sediment samples were collected and analyzed for kerosene analytical group parameters. The samples were placed in the appropriate sample containers, preserved (as required), and placed on ice prior to shipment to the analytical laboratory. The samples were shipped via Federal Express™ to Quanterra, Inc. in Tampa, Florida. A copy of the COC is attached in Appendix C. A copy of the analytical laboratory reports are presented in Appendix D.

2.5 RECORD REVIEW OF INTERIM REMEDIAL ACTION (IRA) ACTIVITIES. A review of the free product recovery data or IRA records for Site 278 was conducted to evaluate the progress of free product recovery efforts to date. The wells that are monitored or bailed to recover free product include wells MW-4, MW-5, MW-6, and MW-7. The approximate monitoring frequency for these wells is outlined below.

Monitoring Well	Monitoring Frequency
MW-4	Bi-monthly
MW-5	Twice daily[1]
MW-6	Daily[1]
MW-7	Weekly

[1]Excluding weekends and holidays.

According to the available IRA records, free product monitoring and recovery efforts have been conducted in accordance with the outlined frequency since February 1993. A summary of the IRA records review is presented in Chapter 3.0.

3.0 SUPPLEMENTAL INVESTIGATION RESULTS

3.1 SOIL ASSESSMENT RESULTS. As discussed in Section 2.1, 16 hand-augered soil borings (SB-16 through SB-31) were advanced to approximately 9.5 feet bls around the Site 278 USTs. Soil samples were collected from the borings at 0 to 1 foot bls, 2.5 to 3.5 feet bls, 5.5 to 6.5 feet bls, and 8.5 to 9.5 feet bls. The samples were screened for organic vapors with an OVA equipped with an FID in accordance with the procedures described in Chapter 62-770, FAC.

The soil sample OVA results yielded detectable organic vapors in only four samples. Sample SB-20 at the 8.5 to 9.5 foot interval yielded a detectable organic vapor concentration of 8 parts per million (ppm). Samples SB-25 at the 5.5 to 6.5 and 8.5 to 9.5 foot intervals each yielded detectable vapor concentrations of 2 ppm. Sample SB-27 at the 8.5 to 9.5 foot interval yielded a detectable OVA concentration of <1 ppm. Table 3-1 summarizes the OVA data. Figure 3-1 shows the soil boring locations around the USTs.

The results of this supplemental soil assessment and the results of the soil boring investigation presented in the CSS Panama City Site 278 CAR (ABB-ES, 1993) indicate that the extent of soil contamination has been adequately assessed in accordance with the FDEP *Guidelines for Assessment and Remediation of Petroleum Contaminated Soil*, May 1994. No excessively contaminated soil was detected in the vadose zone at Site 278.

3.2 GROUNDWATER ELEVATION SURVEY RESULTS. Depth to groundwater was measured in all site wells on February 2, 1995, except for wells IRA-MW1 and IRA-MW2. The relative groundwater elevation in each well was calculated by subtracting the measured DTW from the surveyed well TOC elevation. Table 3-2 summarizes the data. The data were then plotted on a site map (Figure 3-2) with groundwater elevation isopiestic lines drawn to illustrate the piezometric surface. The groundwater elevation at well MW-5 was calculated using a correction factor for the presence of 0.31 foot of free product measured in the well.

As illustrated on Figure 3-2, groundwater flow is toward Alligator Bayou and is consistent with the groundwater flow conditions previously described at the site. The negative groundwater elevations in monitoring wells nearest the edge of the pier reflect tidal influences on the seasonal low groundwater table during low tide conditions.

3.3 GROUNDWATER ANALYTICAL RESULTS. Groundwater samples were collected from all site monitoring wells except wells IRA-MW1, IRA-MW2, and MW-5. Groundwater samples were analyzed for kerosene analytical group parameters in accordance with Chapter 62-770, FAC, guidance.

Groundwater analytical results indicate the presence of low to moderate concentrations of dissolved-phase hydrocarbons in groundwater samples collected from monitoring wells MW-3, MW-4, MW-6, MW-7, MW-8, and MW-10. Table 3-3 summarizes the analytical data. Well MW-5 was not sampled due to the presence of 0.31 foot of free-phase petroleum product.

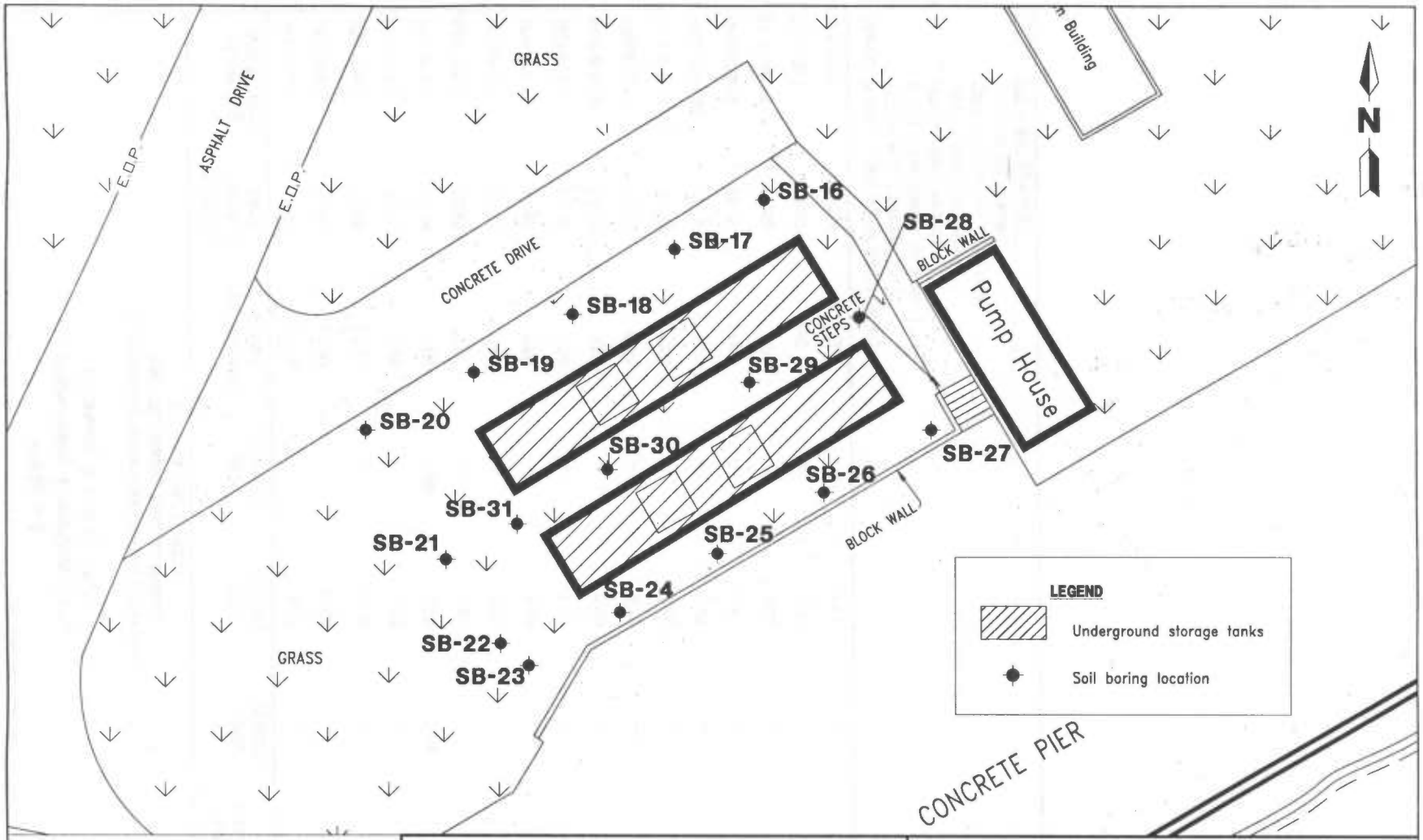
Table 3-1
Organic Vapor Screening Data
February 1, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

	Sample Depth and Organic Vapor Reading in parts per million			
Boring No.	0 to 1 foot	2.5 to 3.5 feet	5.5 to 6.5 feet	8.5 to 9.5 feet
SB-16	0	0	0	0
SB-17	0	0	0	0
SB-18	0	0	0	0
SB-19	0	0	0	0
SB-20	0	0	0	[1]8
SB-21	0	0	0	0
SB-22	0	0	0	0
SB-23	0	0	0	0
SB-24	0	0	0	0
SB-25	0	0	2	2
SB-26	0	0	0	NR
SB-27	0	0	0	<1
SB-28	0	0	0	0
SB-29	0	0	NR	NR
SB-30	0	0	NR	NR
SB-31	0	0	0	0

[1]Sample not saturated but collected near the water table.

Notes: Sample depths are in feet below land surface.
NR = no recovery.



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SCALE: 1" = 10'

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FIGURE 3-1
SOIL BORING LOCATION MAP

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION
PANAMA CITY, FLORIDA

CCS-Site278(CAR-ADD.PRE)
ASW.05.95

Table 3-2
Groundwater Elevation Data, February 2 and 3, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Monitoring Well Number	Total Well Depth (ft btoc)	TOC Elevation (ft msl)	DTP (ft btoc)	DTW (ft btoc)	CWL (ft btoc)	Relative Ground-water Elevation (ft msl)
MW-278-1	14.67	11.28	---	9.78	---	1.50
MW-278-2	14.52	11.90	---	10.86	---	1.04
MW-278-3	14.66	11.20	---	10.16	---	1.04
MW-278-4	12.50	7.65	---	7.47	---	0.18
MW-278-5	13.64	7.69	7.65	7.96	7.69	0.00
MW-278-6	13.84	7.77	---	7.80	---	-0.03
MW-278-7	13.73	7.86	---	7.93	---	-0.07
MW-278-8	12.57	7.90	---	7.93	---	-0.03
MW-278-9	12.46	7.89	---	7.72	---	0.17
MW-278-10	12.50	8.50	---	8.00	---	0.50
MW-278-11	12.51	7.84	---	8.15	---	-0.31
MW-278-12	12.50	8.53	---	7.54	---	0.99
MW-278-13D	29.77	7.80	---	7.95	---	-0.15
MW-278-14	14.59	11.80	---	10.88	---	0.92
MW-278-15	14.65	7.76	---	7.99	---	-0.23
IRA-MW1	14.00	NS	---	8.00	---	---
IRA-MW2	14.00	NS	---	7.61	---	---

Notes: ft btoc = feet below top of casing.
TOC = top of casing.
ft msl = feet mean sea level.
DTP = depth to product.
DTW = depth to water.
CWL = corrected water level.
--- = not applicable.
NS = not surveyed.

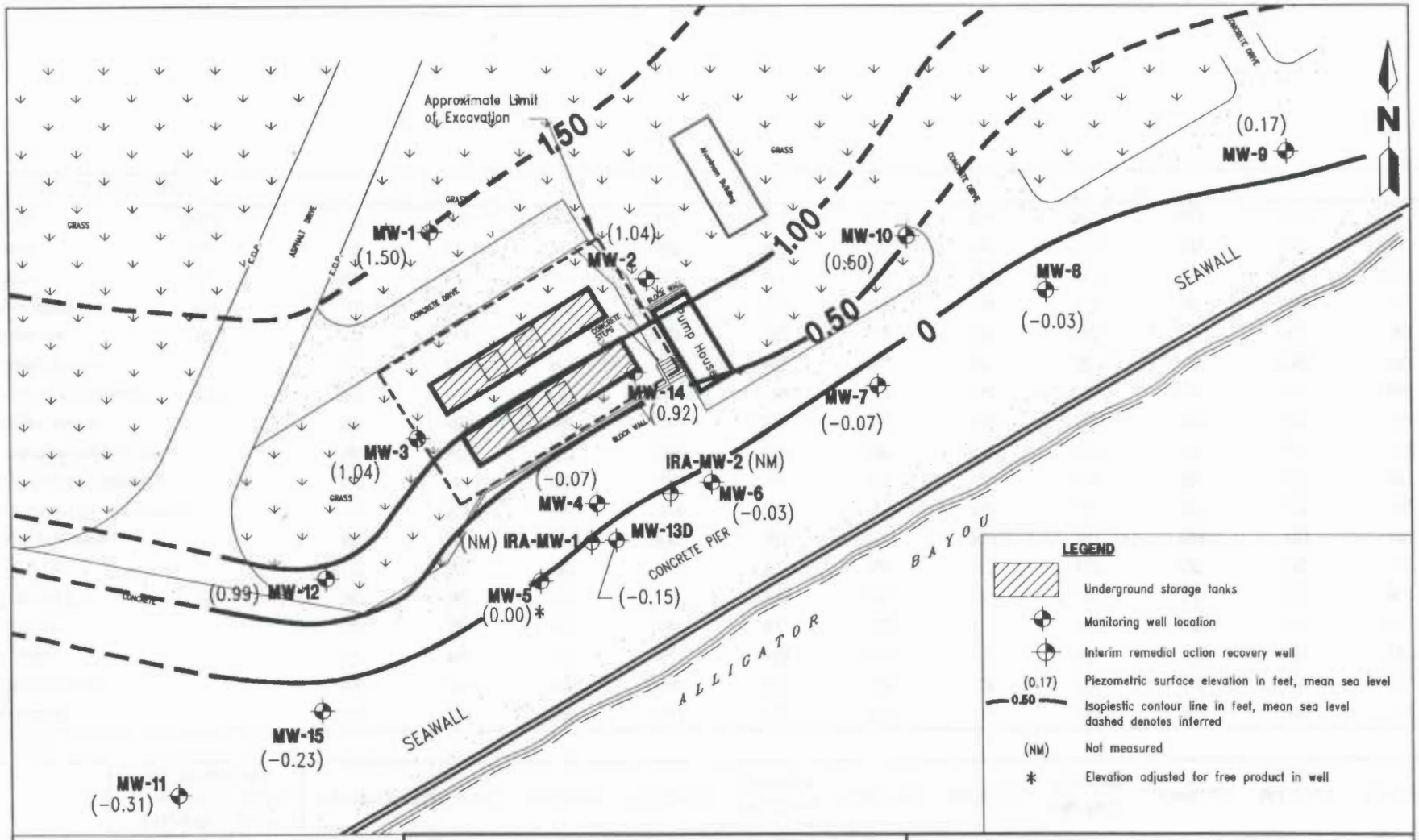

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FIGURE 3-2
PIEZOMETRIC SURFACE MAP, FEBRUARY 2, 1995

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

Table 3-3
Summary of Groundwater Analytical Results,
February 2 and 3, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Analyte	Analyte Regulatory Standards for Class G-II Groundwater	MW-278-1	MW-278-2	MW-278-3	MW-278-4	MW-278-4 Duplicate	MW-278-5	MW-278-6	MW-278-6 Duplicate	MW-278-7	MW-278-8	MW-278-9
Benzene	1	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND
Ethylbenzene		ND	ND	ND	4.8	ND	NS	12	10	2.3	ND	ND
Toluene		ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND
Xylenes		ND	ND	ND	ND	ND	NS	1.4	1.1	ND	ND	ND
Total BTEX	50	ND	ND	ND	4.8	ND	NS	13.4	11.1	2.3	ND	ND
1,2-DCE		ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND
Acenaphthene		ND	ND	2.9	ND	ND	NS	ND	ND	ND	ND	ND
Dichlorodifluoromethane		ND	ND	ND	ND	ND	NS	ND	ND	ND	1.6	ND
1-Methylnaphthalene		ND	ND	ND	51	59	NS	130	120	26	ND	ND
2-Methylnaphthalene		ND	ND	ND	100	110	NS	ND	ND	21	ND	ND
Naphthalene		ND	ND	ND	180	200	NS	ND	ND	ND	ND	ND
Total naphthalenes	100	ND	ND	ND	331	369	NS	130	120	47	ND	ND
Fluoranthene		ND	ND	ND	ND	ND	NS	ND	ND	ND	0.88	ND
Fluorene	10	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND
Phenanthrene	10	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND
TRPH	5	ND	ND	ND	ND	ND	NS	43.2	27.1	2.3	ND	ND
Lead	15	ND	ND	ND	ND	NS	NS	ND	NS	ND	ND	ND
EDB	0.02	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND

See notes at end of table.

Table 3-3 (Continued)
Summary of Groundwater Analytical Results, February 2 and 3, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Analyte	Analyte Regulatory Standards for Class G-II Groundwater	MW-278-9 Duplicate	MW-278-10	MW-278-11	MW-278-12	MW-278-12 Duplicate	MW-278-13D	MW-278-14	MW-278-15	RS-1	RS-2	Trip Blank
Benzene	1	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
Ethylbenzene		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
Toluene		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
Xylenes		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
Total BTEX	50	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
1,2-DCE		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	ND
Acenaphthene		NS	6.0	ND	ND	NS	ND	ND	ND	ND	NS	NS
Dichlorodifluoromethane		NS	63	ND	ND	NS	ND	ND	ND	ND	NS	ND
1-Methylnaphthalene		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
2-Methylnaphthalene		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
Naphthalene		NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
Total naphthalenes	100	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
Fluoranthene		NS	1.2	ND	ND	NS	ND	ND	ND	ND	NS	NS
Fluorene	10	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
Phenanthrene	10	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
TRPH	5	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS
Lead	15	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	NS
EDB	0.02	NS	ND	ND	ND	NS	ND	ND	ND	ND	NS	NS

Notes: All concentrations are reported in parts per billion (ppb) except for total recoverable petroleum hydrocarbons (TRPH), which are reported in parts per million (ppm).

ND = not detected.
NS = not sampled or analyzed for.
BTEX = benzene, toluene, ethylbenzene, and xylene.
1,2-DCE = 1,2-dichloroethene.
TRPH = total recoverable petroleum hydrocarbons.

EDB = ethylene dibromide.
FDEP = Florida Department of Environment Protection.
ppb = parts per billion.
ppm = parts per million.

Total benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations detected in groundwater samples are below the FDEP guidance concentration of 50 parts per billion (ppb). Benzene was not detected in any of the groundwater samples. Total naphthalene concentrations (the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) exceeded the FDEP guidance concentration of 100 ppb in samples from wells MW-4 and MW-6 (369 ppb and 130 ppb, respectively). TRPH concentrations exceeded samples from the FDEP guidance concentration of 5 parts per million (ppm) only in a sample from well MW-6 (43.2 ppm). Figures 3-3, 3-4, and 3-5 illustrate the analytical data and show the approximate horizontal extent of the total BTEX, total naphthalene, and TRPH in groundwater at the site. The vertical extent of petroleum contamination is assessed by groundwater samples from well MW-13D in which all of the target analytes were below analytical detection limits.

In response to the second comment of the FDEP's correspondence dated March 4, 1994 (Appendix A), ABB-ES resampled the site monitoring wells except for IRA-MW1, IRA-MW2, and MW-5 for U.S. Environmental Protection Agency (USEPA) Method 601 analytes to evaluate the validity of historical groundwater analytical data indicating the presence of low concentrations of 1,2-dichloroethene.

Analytical results of groundwater samples collected on February 2 and 3, 1995, verify that the chlorinated compounds detected October 13, 1992, and May 19, 1993, do not represent a significant concern at Site 278.

Recent historical data indicate that the horizontal and vertical extent of groundwater contamination has been fully assessed. Furthermore, it is noted that the historical and current analytical data have documented a decline in dissolved-phase hydrocarbon concentrations in groundwater at Site 278.

3.4 SURFACE WATER AND SURFACE WATER SEDIMENT SAMPLING RESULTS. Surface water and surface water sediment samples were collected from Alligator Bayou in the vicinity of well MW-278-5 as a response to FDEP's request in the correspondence dated March 4, 1994 (Appendix A). The samples were collected at two locations adjacent to the pier and analyzed for kerosene analytical group parameters to evaluate a potential impact of Site 278 on the bayou. The sediment samples consisted of a black silt, sand, shell, and clay mixture having a sludge-like appearance. Figure 3-6 shows the sample locations.

The laboratory analytical results for the surface water samples indicated no detections of any of the target analytes. The results for the sediment samples indicated no detections for USEPA Method 601/602 analytes and EDB. However, elevated concentrations of PAHs, TRPHs, and lead were detected in the sediment samples. The analytical results for surface water and surface water sediment samples are summarized in Tables 3-4 and 3-5, respectively. Figure 3-7 illustrates the analytical data.

In addition to the Site 278 surface water and surface water sediment sample data, surface water and surface water sediment samples were collected and analyzed from eight other locations in Alligator Bayou during ABB-ES' RCRA Facility Investigation (RFI) of Solid Waste Management Unit (SWMU) 1 and Area of Concern (AOC) 2 at CSS Panama City, Florida. Figure 3-8 depicts the relative locations of Site 278, SWMU 1, AOC 2, and the RFI surface water and surface water sediment sample locations in Alligator Bayou. As shown in this figure, three of the RFI surface water and sediment samples were collected within 500 feet to 600 feet of Site 278. An abbreviated summary of the RFI (ABB-ES, 1995) analytical results for the sediment samples is presented in Table 3-6.

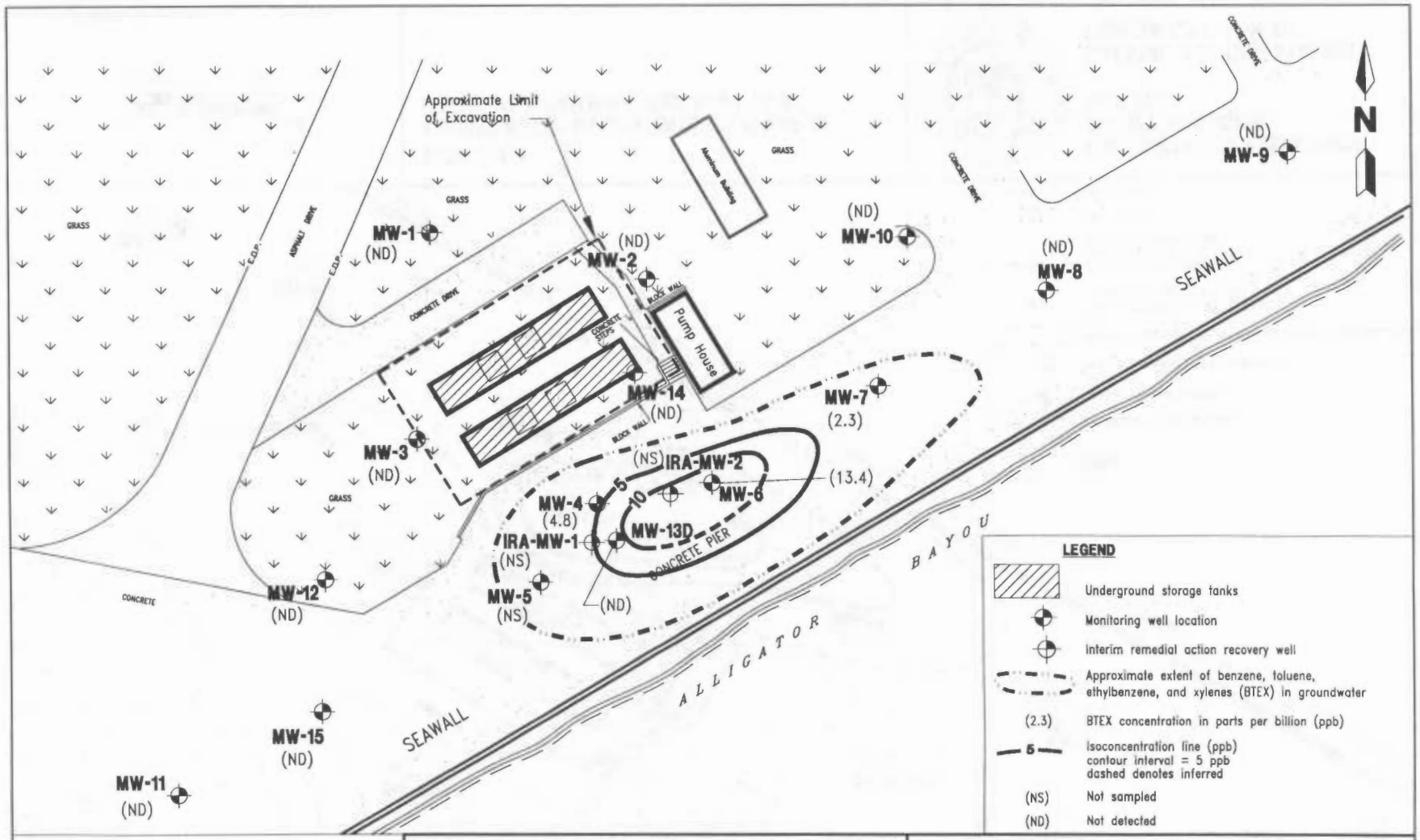

FIGURE 3-3
GROUNDWATER ISOCONCENTRATION MAP OF TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES (BTEX), FEBRUARY 1995

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

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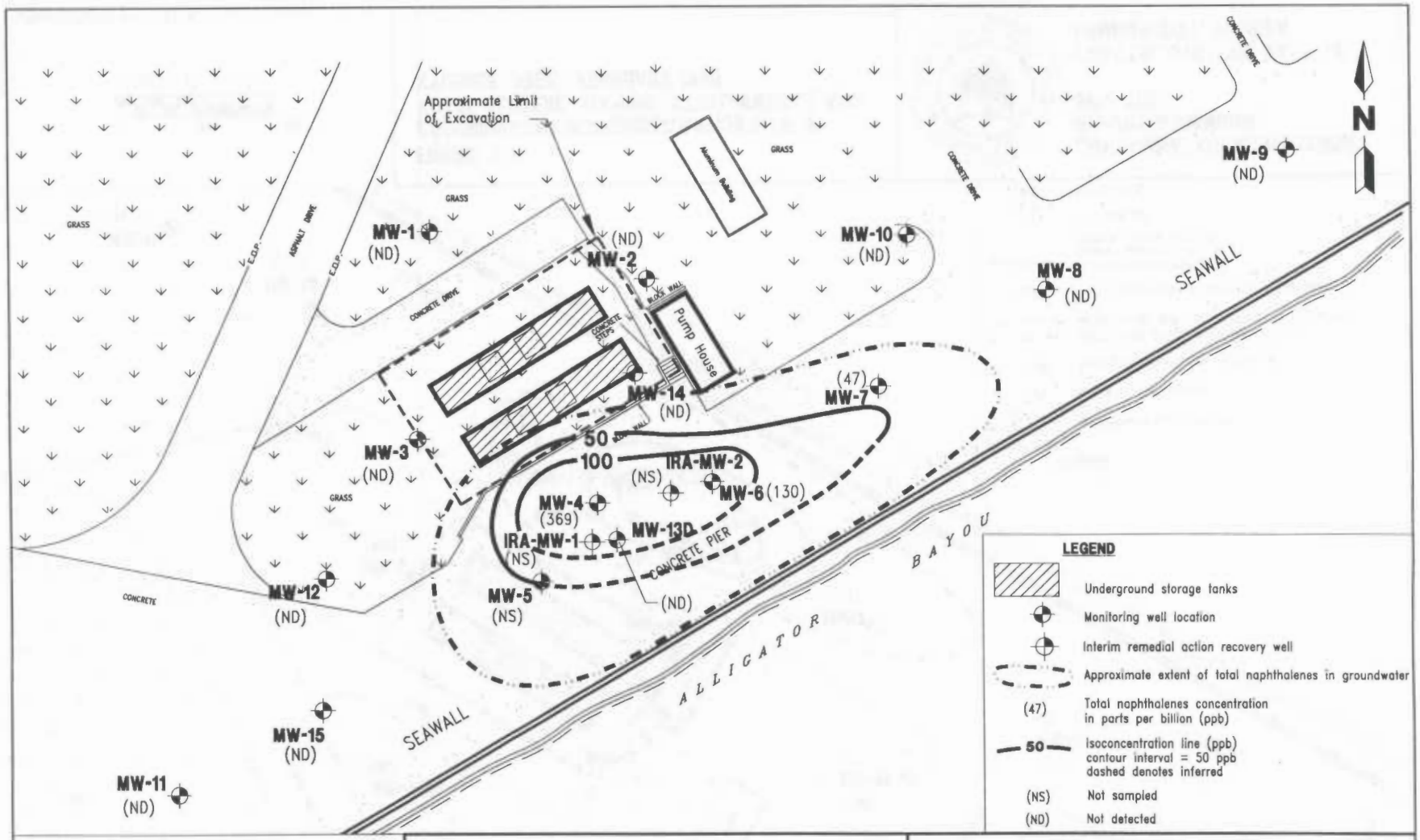

FIGURE 3-4
GROUNDWATER ISOCONCENTRATION MAP OF TOTAL NAPHTHALENES, FEBRUARY 1995

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COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

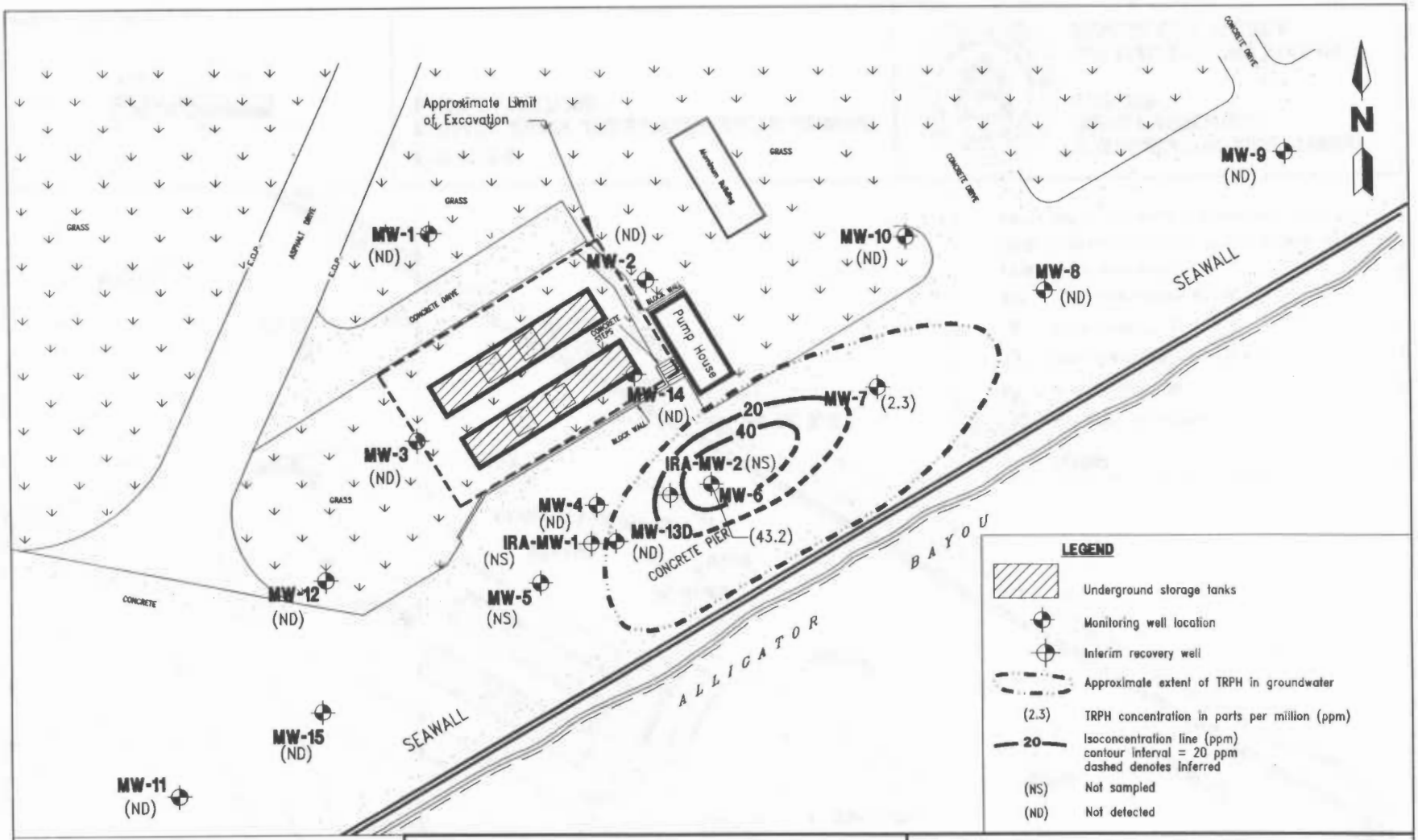

FIGURE 3-5
GROUNDWATER ISOCONCENTRATION MAP OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH), FEBRUARY 1995

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

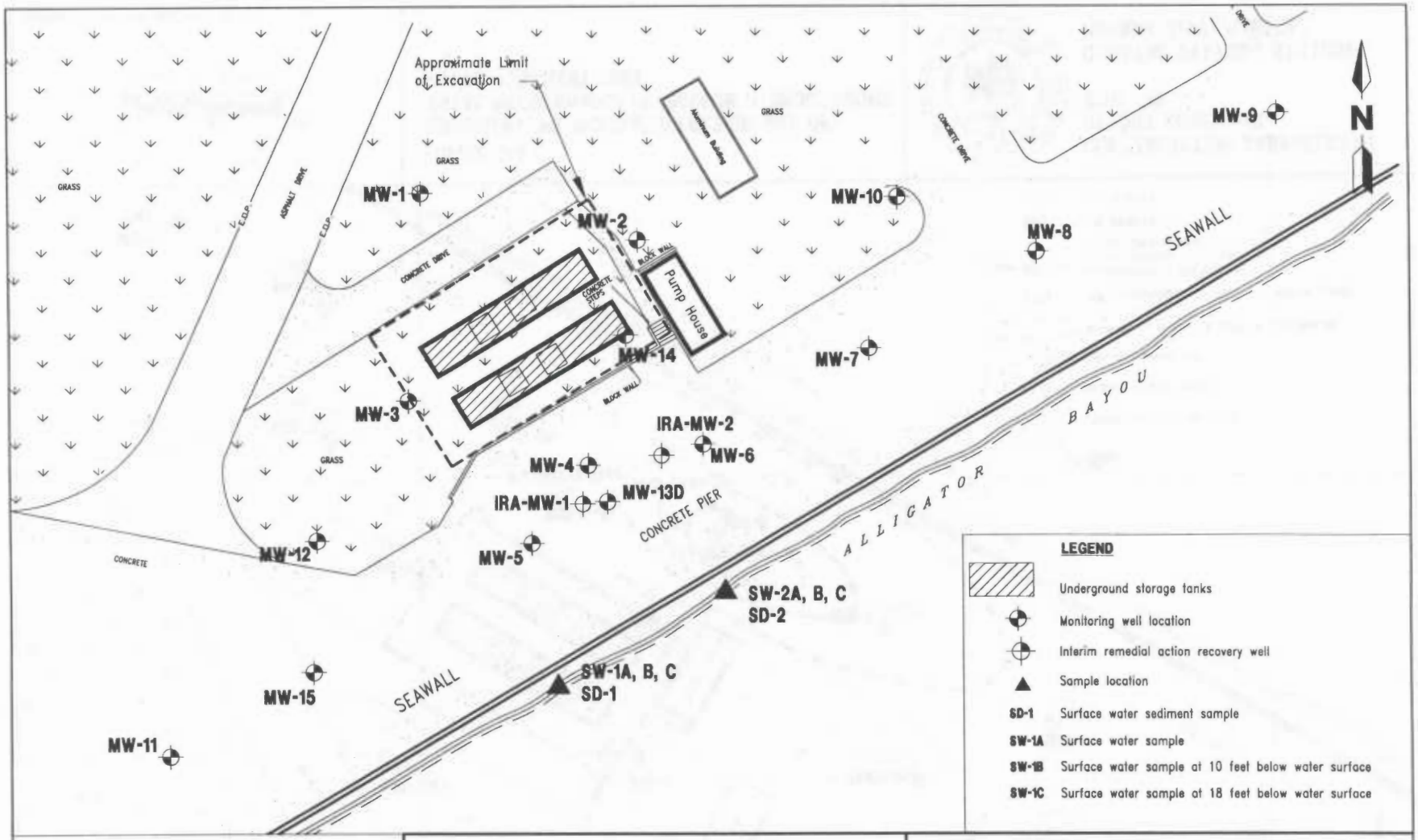

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FIGURE 3-6
SURFACE WATER AND SURFACE WATER SEDIMENT SAMPLE LOCATIONS

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

Table 3-4
Surface Water Analytical Result, Alligator Bayou Adjacent to Site 278, February 4, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Sample Number:	SW-1A	SW-1B	SW-1C	SW-2A	SW-2B	SW-2C	RS-3	TB-3
Analyte								
Benzene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND	ND	ND	ND	ND
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	NS
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	NS
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	NS
Naphthalene	ND	ND	ND	ND	ND	ND	ND	NS
Total naphthalene	ND	ND	ND	ND	ND	ND	ND	NS
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	NS
Fluorene	ND	ND	ND	ND	ND	ND	ND	NS
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	NS
TRPH	ND	ND	ND	ND	ND	ND	ND	NS
Lead	ND	ND	ND	ND	ND	ND	ND	NS
EDB	ND	ND	ND	ND	ND	ND	ND	NS

Notes: All results are in micrograms per liter except for total recoverable petroleum hydrocarbons (TRPH), which are reported in milligrams per liter.

ND = not detected.
BTEX = benzene, toluene, ethylbenzene, and xylene.
1,2-DCE = 1,2-dichloroethene.
NS = not sampled.
TRPH = total recoverable petroleum hydrocarbons.
EDB = ethylene dibromide.

Table 3-5
Sediment Analytical Results, Alligator Bayou Adjacent to Site 278, February 4, 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Sample Number:	SD-1	SD-2	SD-2D[1]
Analyte			
VOCs and SVOCs	ND (7.0)	ND (7.3)	ND (7.7)
Acenaphthene	ND (1,800)	ND (73)	ND (770)
Acenaphthylene	ND (3,500)	ND (150)	ND (1,500)
Anthracene	ND (1,800)	ND (73)	ND (770)
Benzo(a)anthracene	ND (180)	20	560
Benzo(b)fluoranthene	ND (180)	ND (7.3)	ND (77)
Benzo(k)fluoranthene	ND (180)	ND (7.3)	600
Benzo(g,h,i)perylene	ND (180)	ND (7.3)	310
Benzo(a)pyrene	810	30	990
Chrysene	1,000	11	600
Fluoranthene	2,900	ND (7.3)	1,600
Fluorene	ND (1,800)	ND (73)	ND (770)
Indeno(1,2,3-cd)pyrene	440	ND (7.3)	510
1-Methylnaphthalene	ND (1,800)	ND (73)	ND (770)
2-Methylnaphthalene	ND (1,800)	ND (73)	ND (770)
Naphthalene	ND (1,800)	ND (73)	ND (770)
Phenanthrene	ND (1,800)	ND (73)	860
Pyrene	2,200	56	1,600
Dibenzo(a,h)anthracene	ND (180)	ND (7.3)	ND (77)
TRPH	99.8	17.4	51.9
Lead	79.0	23.8	37.2
EDB	ND (0.0028)	ND (0.0029)	ND (0.0031)
Total solids	71.3%	68.7%	64.7%

[1] Duplicate sample of sample SD-2.

Notes: All "ND" results are shown with reporting limit indicated in parentheses due to sample dilution factors and elevated detection limits.

All results are reported in micrograms per kilogram (μg/kg) except for total recoverable petroleum hydrocarbons (TRPH), ethylene dibromide (EDB), and lead which are reported in milligrams per kilogram (mg/kg).

VOCs = volatile organic compounds.
SVOCs = semivolatile organic compounds.
ND = not detected.
TRPH = total recoverable petroleum hydrocarbons.
EDB = ethylene dibromide.
% = percent.

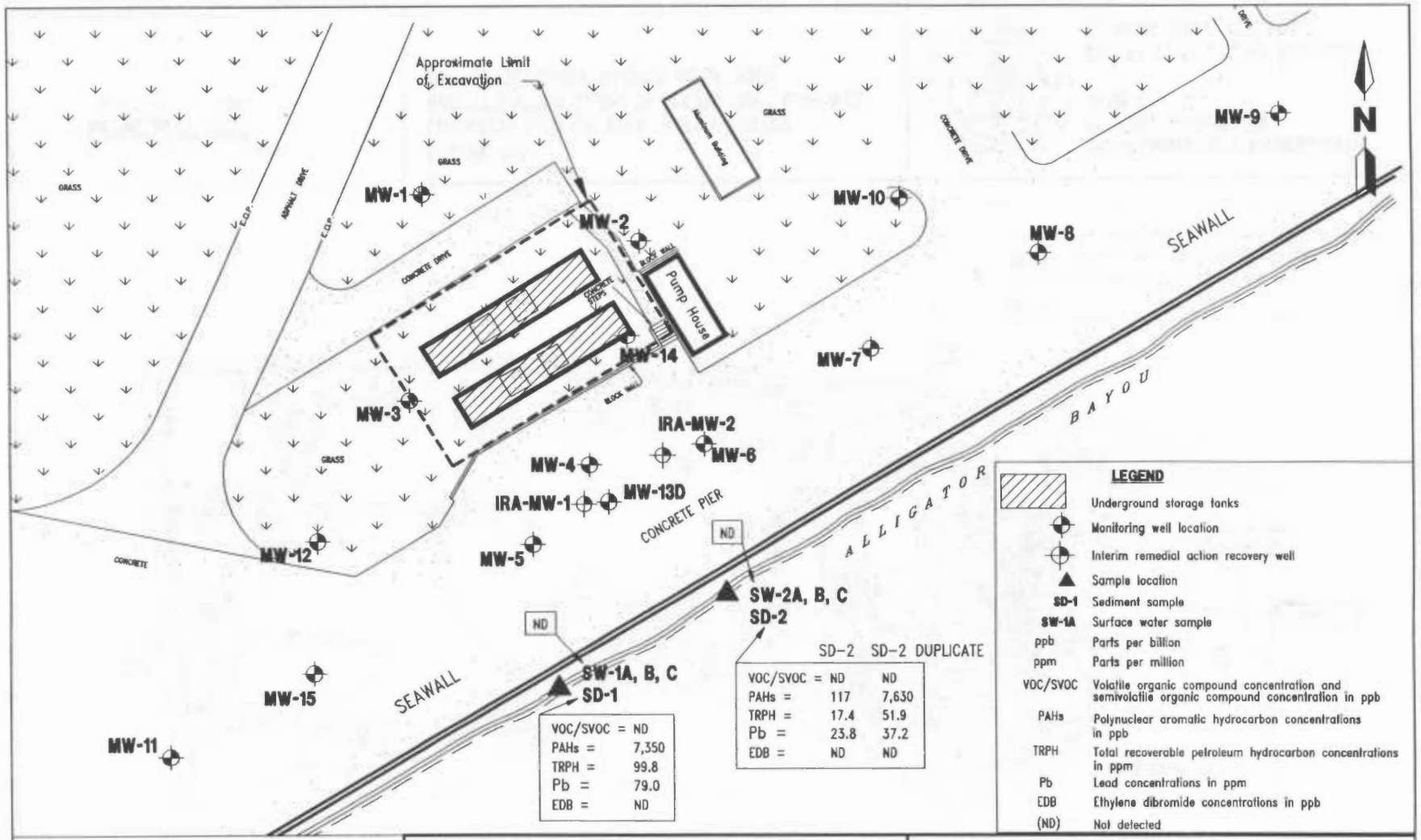

FIGURE 3-7
SURFACE WATER AND SURFACE WATER SEDIMENT QUALITY IN ALLIGATOR BAYOU ADJACENT TO SITE 278, FEBRUARY 1995

CONTAMINATION ASSESSEMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

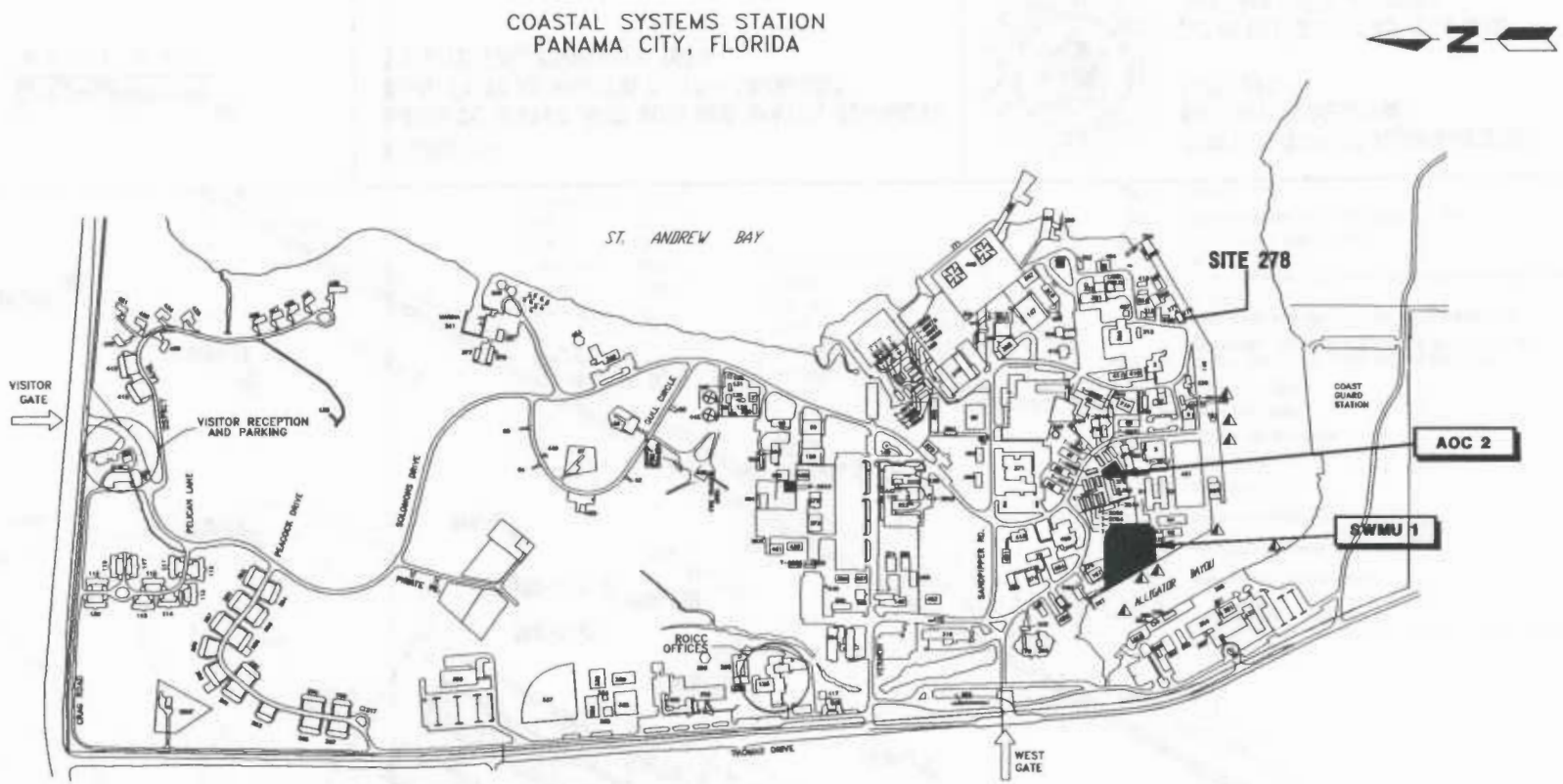

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FIGURE 3-8
LOCATION MAP OF 1994 RCRA FACILITY INVESTIGATION SURFACE WATER AND SURFACE WATER SEDIMENT SAMPLE LOCATIONS

CONTAMINATION ASSESSMENT REPORT ADDENDUM, SITE 278

COASTAL SYSTEMS STATION PANAMA CITY, FLORIDA

Table 3-6
Analytical Summary for Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Surface Water Sediment Samples, February 1995

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Analyte	Frequency of Detection[1]	Range of Detected Concentrations
Volatiles (ppb)		
Carbon disulfide	3/8	3 to 51
Semivolatiles (ppb)		
Acenaphthene	3/8	300 to 380
Anthracene	5/8	7.075 to 190
Benzo(a)anthracene	7/8	22 to 1,600
Benzo(a)pyrene	7/8	44 to 1,800
Benzo(b)fluoranthene	8/8	8.4 to 2,300
Benzo(g,h,i)perylene	7/8	48 to 910
Benzo(k)fluoranthene	7/8	25 to 730
Chrysene	6/8	90.75 to 2,200
Di-n-butylphthalate	1/8	357.5
Di-n-octylphthalate	3/8	110 to 240
Dibenz(a,h)anthracene	7/8	13.5 to 520
Fluoranthene	7/8	53 to 3,100
Indeno(1,2,3-cd)pyrene	7/8	34.5 to 1,200
Phenanthrene	3/8	96 to 840
Phenol	1/8	152.5
Pyrene	3/8	48.25 to 2,700
bis(2-Ethylhexyl)phthalate	1/8	570
Inorganics (ppm)[2]		
Lead	8/8	1.3 to 179

[1] Frequency of detection is the number of samples in which the analyte is detected divided by the total number of samples collected and analyzed.
[2] Seventeen other inorganic constituents (metals) were detected; only lead is shown for comparison to Site 278 data.

Notes: ppb = parts per billion.
ppm = parts per million.

Although elevated levels of PAHs, TRPH, and lead were detected in sediment samples SD-1, SD-2, and SD-2D collected adjacent to Site 278, releases from the USTs at Site 278 have not affected water or sediment in Alligator Bayou. The following is a summary of Site 278 conditions.

1. No kerosene group analytes or lead were detected in surface water samples collected from the bayou in the vicinity of well MW-5.

2. The bottom of the concrete seawall is 2 feet below mean sea level (Figure 3-9, also see Figure 1-3) preventing the migration of any floating free-phase product to the bayou.

3. No kerosene group analytes or lead have been detected in groundwater samples from vertical extent well MW-13D. The screened interval of this well straddles the horizon equivalent to the depth of the sediment bottom in the adjacent bayou (Figure 3-9). Therefore, contaminants migrating from Site 278 to the sediment of the bayou would be detected in groundwater samples from vertical extent well MW-13D.

4. The specific PAH analytes detected in sediment samples SD-1, SD-2, and SD-2D are the heavier constituents of diesel fuel and generally tend to become bound to soil. Therefore, vertical and horizontal migration of these contaminants from the point of release is greatly attenuated and has little or no apparent pathway to the sediment bottom in the bayou.

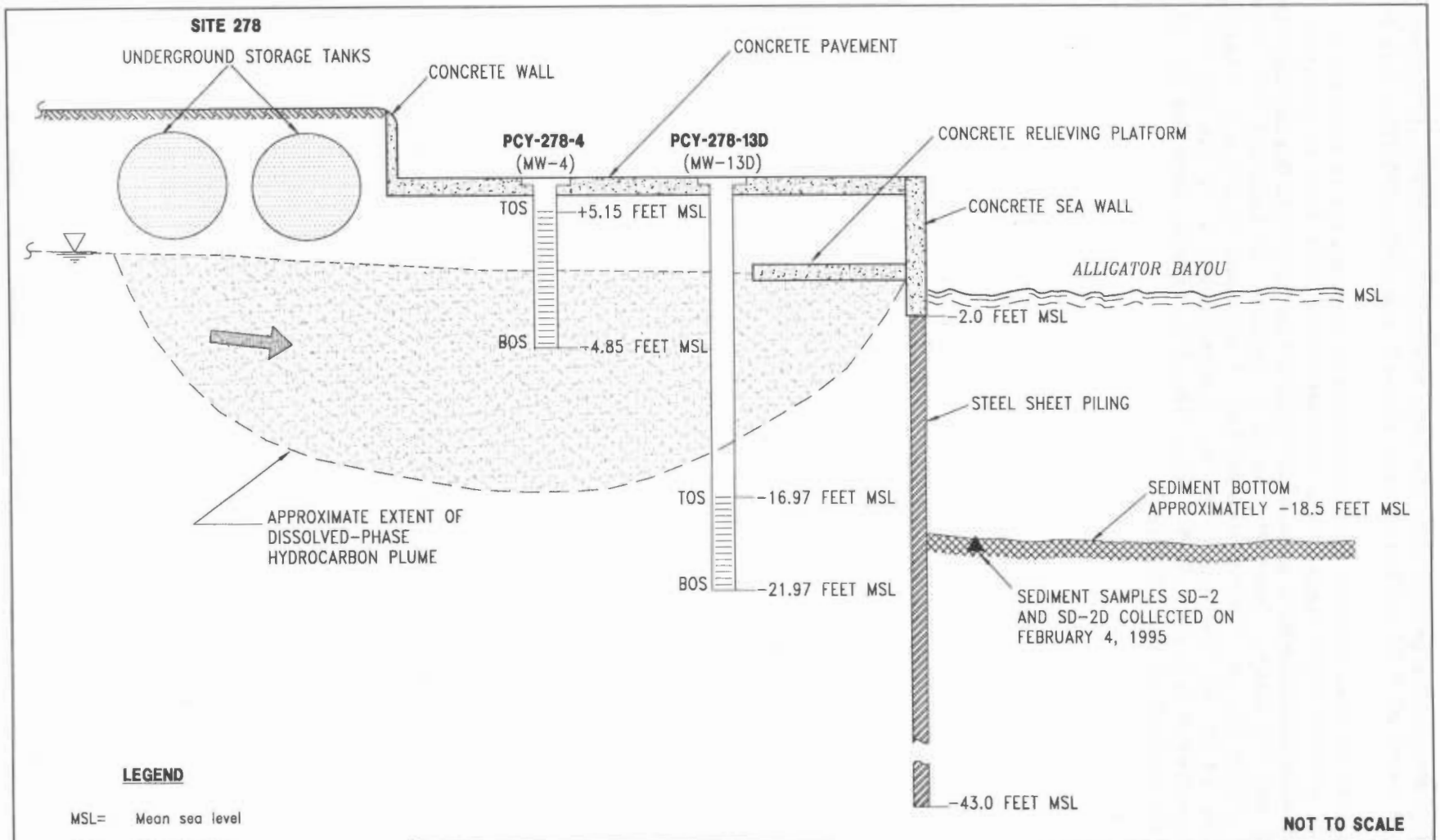
5. The analytical results for the RFI sediment samples (Table 3-6) collected elsewhere in the bayou revealed the presence of similar PAH analytes in similar concentrations to those detected in the sediment samples collected adjacent to Site 278. The similarity of the RFI data to the Site 278 data indicates that the source of contamination in the Alligator Bayou sediment is not from Site 278.

6. The source of PAH, TRPH, and lead contamination in the bayou sediments may be attributed to fuel combustion, oil seepage, bilge water discharges, and particles of lead-base paint from naval vessels operating in Alligator Bayou.

3.5 FREE PRODUCT RECOVERY AND IRA SUMMARY. A review of the IRA or free product monitoring records for Site 278 was conducted to evaluate the progress of free product recovery efforts to date. The records consist of monitoring and free product recovery data for wells MW-4, MW-5, MW-6, and MW-7. According to the IRA records, the wells have been monitored since February 1993. The following summary considers the available data gathered from February 1993 through January 1995.

Of the four wells monitored, only three have historically yielded measurable accumulations of free product. These wells consist of wells MW-5, MW-6, and MW-7. The fourth well, well MW-4, has historically yielded a sheen of free product, which was last detected in April 1993.

Well MW-7 yielded measurable accumulations of free product (0.04 foot or less) on three occasions in early 1993. The last measurable accumulation occurred on March 26, 1993. A total of 0.01 gallon (approximately 1.3 ounces) of free product was recovered from this well. Well MW-6 yielded measurable accumulations of free product on 17 different



LEGEND

MSL= Mean sea level

TOS= Top of screen

BOS= Bottom of screen

▲ Sediment sample

Groundwater flow direction

Water table

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FIGURE 3-9
CROSS SECTION THROUGH SITE 278 AND ADJACENT ALLIGATOR BAYOU

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occasions during the monitoring period with the last measurable accumulation occurring on July 29, 1994. A total of 0.20 gallon of free product was recovered from this well.

Measurable thicknesses of free product have continued to accumulate in well MW-5. The thicknesses of free product have ranged from approximately 0.01 foot to greater than 1.50 feet. Thicker accumulations have generally occurred in this well during the winter months of January and February; however, no free product accumulated for several periods during the summer months. The maximum product thicknesses historically measured in this well appear to be declining. To date, approximately 14.5 gallons of free product have been recovered from well MW-5. Abbreviated monitoring data for all of the referenced wells are presented in Appendix E.

4.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

4.1 SUMMARY. A supplemental field investigation of Site 278 was conducted to address the FDEP's comments in the March 4, 1994, correspondence regarding the completion of the site CA. The following summarizes the findings of the supplemental investigation conducted from February 1 to February 4, 1995.

- OVA headspace analyses of soil samples collected from 16 hand-augered borings did not detect significant levels of hydrocarbon contamination in the soil around the USTs.

- Groundwater level measurements in site monitoring wells on February 2, 1995, and subsequent groundwater elevation data confirmed the hydrologic conditions previously assessed at the site.

- Laboratory analytical results confirm that total naphthalenes and TRPH analytes exceed FDEP groundwater guidance concentrations in the vicinity of monitoring wells MW-4, MW-5, and MW-6 only.

- Low level concentrations of chlorinated compounds previously detected in groundwater samples from some site monitoring wells were likely due to laboratory contamination. Chlorinated compounds were not detected in any of the groundwater samples collected in February 1995.

- Analytical results of surface water samples collected in Alligator Bayou adjacent to Site 278 reported no detections of any of the target analytes. However, the analytical results for the surface water sediment samples reported elevated concentrations of PAHs, TRPHs, and lead.

- A review of the IRA data and free product recovery records for Site 278 indicate that approximately 15 gallons of free product have been recovered to date, and that the amount of free product accumulating in the monitoring wells is declining.

4.2 CONCLUSIONS. Based on the historical and supplemental field investigative results, the CA of Site 278 has adequately characterized the site geologic and hydrogeologic conditions and the extent of the soil and groundwater contamination. The following conclusions are derived from the findings of the CA.

- Site 278 is underlain by fine- to medium-grained silty sand from the surface to approximately 30 feet bls (ABB-ES, 1993).

- Depth to groundwater, during the supplemental investigation, ranged from approximately 7.5 to 11 feet bls (Table 3-2).

- Analyses of aquifer slug test results (ABB-ES, 1993) yielded an average hydraulic conductivity of 11 feet per day (ft/day).

- Groundwater at the site flows southward toward Alligator Bayou with an average gradient of 7.4×10^{-3} feet per foot and at a calculated average linear velocity of 3.3×10^{-1} ft/day (ABB-ES, 1993).

- A tidal survey of monitoring wells MW-1, MW-2, and MW-3 in October 1992 (ABB-ES, 1993) yielded a maximum water level change of +0.3 to -0.55 foot in monitoring well MW-3.

- Tank tightness tests were conducted on the USTs at Site 278. The results indicated that the new USTs are not leaking (ABB-ES, 1993).

- Since February 1993 approximately 15 gallons of product have been recovered from monitoring well MW-5. Free product continues to accumulate in monitoring well MW-5; however, the thickness of the free product is apparently decreasing with time.

- OVA headspace analyses of soil samples collected from 31 soil borings indicate no excessively contaminated soil in the vadose zone at the site.

- The extent of groundwater contamination (BTEX, PAH, and TRPH) exceeding FDEP guidance concentrations is limited to a small area south of the USTs around monitoring wells MW-4, MW-5, and MW-6.

- Historical and current analytical results have documented a decline in BTEX, PAH, and TRPH concentrations in groundwater samples collected at the site. The decline in contaminant concentrations is likely the result of source abatement and interim remedial action (free product removal).

- Low concentrations of chlorinated compounds detected previously in groundwater samples from site monitoring wells were not detected in the supplemental CA; therefore, chlorinated compounds are not a concern at Site 278.

- Lead detected in groundwater samples collected during the previous CA was probably caused by turbid samples and dissolution of particulates entrained in the sample matrix during preservation. The results of the February 1995 groundwater sampling from site monitoring wells collected with a peristaltic pump under low-flow quiescent sampling conditions indicate that lead was not present above the method detection limits in any of the groundwater samples.

- Historical and current analytical results indicate that the groundwater contaminant plume appears to have stabilized (Figures 3-3, 3-4, and 3-5).

- Surface water samples collected from Alligator Bayou adjacent to Site 278 indicate that petroleum contaminants from the site are apparently not impacting the bayou (Table 3-4).

- Elevated PAH, TRPH, and lead concentrations detected in surface water sediment samples collected adjacent to Site 278 (Table 3-5) are similar to concentrations detected in surface water sediment samples elsewhere in the bayou (Table 3-6, Figure 3-8). The data do not indicate that Site 278 is the source of contamination of the Alligator Bayou sediment samples. The source of contamination is apparently due to naval vessel activities and operations (Section 3.4).

4.3 RECOMMENDATIONS. Based on the findings of the Site 278 CA, ABB-ES recommends continuing the IRA to remove free product to abate the source of groundwater contamination. Concurrent with source removal, a remedial action plan in accordance with Chapter 62-770, FAC, is proposed for the site.

REFERENCES

ABB Environmental Services, Inc. (ABB-ES), 1993, Contamination Assessment Report, Coastal Systems Station Panama City, Site 278, Panama City, Florida: prepared for Southern Division, Naval Facilities Engineering Command, Charleston, South Carolina, July.

ABB-ES, 1995, Resource Conservation and Recovery Act Facility Investigation, Coastal System Station Panama City, Panama City, Florida: final draft, prepared for Southern Division, Naval Facilities Engineering Command, Charleston, South Carolina, February.

APPENDIX A

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) CORRESPONDENCE

Florida Department of
Environmental Protection

Memorandum

TO: Eric S. Nuzie, Federal Facilities Coordinator
Bureau of Waste Cleanup

THROUGH: James J. Crane, P.G. Administrator
Technical Review Section JJC

Tim J. Bahr, Professional Geologist II
Technical Review Section TJB

FROM: David M. Clowes, Remedial Project Manager
Technical Review Section DMC

DATE: March 4, 1994

SUBJECT: Contamination Assessment Report (CAR) Addendum, Site 278, Coastal Systems Station Panama City, Panama City, Florida.

I have reviewed the above stated document, dated November 1993 (received November 29, 1993), submitted for this site. In order to meet the requirements of Chapter 17-770, Florida Administrative Code (F.A.C.) the following comments need to be addressed:

1. As stated in Comment # 5 of my September 13, 1993 Memorandum, documentation regarding the soil Initial Remedial Action (IRA) should be provided. The documentation provided in the CAR Addendum is only the Workplan/Proposal for "Job Site 2". If the IRA soil sampling/analysis data is not available, then supplemental soil assessment in accordance with Rule 17-700.200(2), F.A.C., and the Department's May 1992 "Guidelines for Assessment and Remediation of Petroleum Contaminated Soil" will be required at and within the previous excavation area.

2. It is acceptable to resample monitoring wells positive for solvent constituents (May 1993) to determine if a solvent plume exists. If resampling confirms the presence of solvent in sufficient quantities, then additional monitoring wells may be required to determine the source and delineate the extent of groundwater contamination.

3. Since the monitoring wells were last sampled ten months ago (May 1993), wells adjacent to the area of free product (MW-4, MW-5, MW-6, MW-12, MW-13D, and MW-15) should be resampled for EPA Methods 602, 610 and 418.1 analyses.

3. In order to consider if the surface water and sediment samples proposed in the RCRA Feasibility Investigation Phase II would also be satisfactory for Site 278, a map is needed that illustrates the location of Site 278 in relationship to the

RFI site(s). The figure provided does not illustrate the relationship of these sites, nor the date these samples will be collected. The requested surface water and sediment sampling/analysis will need to be performed prior to finalizing the assessment.

4. It is recommended that the presence of free product be emphasized by documenting the presence, location, amounts detected, and commencement date of free product recovery as the first bulleted items in the Executive Summary.

Please provide the additional information addressed in the comments above within two (2) months of receipt of this letter. If additional time is needed, a time extension request should be submitted in accordance with our joint Petroleum Contamination Agreement.

Recycled Paper

APPENDIX B

LITHOLOGIC BORING LOGS

FIELD BORING LOG				BORING NO.: SB-16
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: 9.5'	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. / REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.5			Brown to tan silty sand with occasional rock (ls) fragments					
X	8.5 - 9.5			As above				0 ppm	
				TD hole at approximately 9.5' bls					
				Note: No fuel odors from any interval					

FIELD BORING LOG				BORING NO.: SB-17
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: 9.5'	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02-01-95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.0			As above					
	8.0 - 8.5			White to tan or buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD hole at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG			BORING NO.: SB-18
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: 9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above from 5.5' - 6.0', white to buff silty sand from 6.0' - 6.5'				0 ppm	
	6.5 - 8.5			White to buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD hole at 9.5' bls					
				Note: No fuel odor detected in boring					

FIELD BORING LOG			BORING NO.: SB-19
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/jf	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above to 6.0' bls; white to buff silty sand 6.0' - 6.5'				0 ppm	
	6.5 - 8.5			White to buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD hole at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG				BORING NO.: SB-20
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 1.5			As above					
	1.5 - 2.5			White to buff silty sand					
X	2.5 - 3.5			Tan silty sand with 1-2 inch layers of black, organic-rich sand				0 ppm	
	3.5 - 5.5			White to buff silty sand					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.5			As above					
X	8.5 - 9.5			As above, but moist				8 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odor detected					

FIELD BORING LOG			BORING NO.: SB-21
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01//95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 -2.5			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.5			White to tan or buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD hole at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG			BORING NO.: SB-22
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			As above from 2.5' - 3.0'; white to buff sand 3.0-				0 ppm	
	3.5 - 4.0			White to buff silty sand					
	4.0 - 5.5			Tan to brown silty sand					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 7.0			As above					
	7.0 - 8.5			White to buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD boring at 9.5'					

FIELD BORING LOG				BORING NO.: SB-23
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH:	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 2			As above					
	2 - 2.5			Brown silty sand					
X	2.5 - 3.0			As above				0 ppm	
	3.0 - 5.5			Tan silty sand					
X	5.5 - 6.0			As above				0 ppm	
	6.0 - 8.5			White to buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG				BORING NO.: SB-24
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 1.5			As above					
	1.5 - 2.5			Tan to brown silty sand with some pea gravel					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.5			As above					
X	8.5 - 9.5			White to buff silty sand				0 ppm	
				TD Boring at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG			BORING NO.: SB-25
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 1.5			As above					
	1.5 - 2.5			Tan to brown silty sand with some pea gravel					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				2 ppm	
	6.5 - 8.5			As above					
X	8.5 - 9.5			White to buff silty sand				2 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odor detected in boring					

FIELD BORING LOG			BORING NO.: SB-26
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01-95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown silty sand with occasional pebbles				0 ppm	
	1 - 1.5			As above					
	1.5 - 2.5			Brown silty sand with some pea gravel					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above; refusal at 6.5' bls				0 ppm	
				TD at 6.5' bls due to refusal in pea gravel.					

FIELD BORING LOG				BORING NO.: SB-27
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. / REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 2.5			Brown silty sand					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.0			As above					
	8.0 - 8.5			Brown silty sand with thin layers of black to dark brown, organic rich sands					
X	8.5 - 9.5			As above				<1 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG			BORING NO.: SB-28
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 2.5			Brown silty sand					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.0			As above					
	8.0 - 8.5			Brown silty sand with black to dark brown layers of organic-rich sand					
X	8.5 - 9.5			As above				0 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

FIELD BORING LOG				BORING NO.: SB-29
PROJECT NO.: 07520.31		PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95		COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV		PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'	
LOGGED BY: AER/JF		CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Brown silty sand				0 ppm	
	1 -2.5			As above					
X	2.5 - 3.5			Brown silty sand with pea gravel				0 ppm	
	3.5 - 4.0			Mostly pea gravel; refusal at 4.0' bls					
				TD boring at approximately 4.0' bls due to auger					
				refusal in pea gravel					

FIELD BORING LOG			BORING NO.: SB-30
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Brown silty sand				0 ppm	
	1 - 2.5			As above					
X	2.5 - 3.5			Brown silty sand with some pea gravel				0 ppm	
	3.5 - 4.0			As above					
	4.0 - 4.5			Mostly pea gravel; refusal at 4.5' bls					
				TD boring at approximately 4.5' bls due to auger refusal in pea gravel					

FIELD BORING LOG			BORING NO.: SB-31
PROJECT NO.: 07520.31	PROJECT NAME: CSS Panama City, Site 278		PAGE 1 OF 1
DRILLING CONTRACTOR: NA	DRILLER: NA	DATE STARTED: 02/01/95	COMPLETED: 02/01/95
METHOD: Hand auger	CASING SIZE: 6.25" or 4.25"	TIP eV: Tip I 10.6 eV	PROTECTION LEVEL: Modified Level D
GROUND ELEV: NM	SOIL DRILLED: Sand	WATER LEVEL: ~10' bls	TOTAL DEPTH: ~9.5'
LOGGED BY: AER/JF	CHECKED BY: AER		DATE: 02/01/95

SAMPLE NO.	DEPTH IN FEET	BLOWS PER 6 INCHES	PEN. REC.	DESCRIPTION	LAB	FIELD SCREENING		MONITORING	
						GC	UV/IR	FID	LEL
X	0 - 1			Orange-brown to tan silty sand with occasional pebbles				0 ppm	
	1 - 25			As above					
X	2.5 - 3.5			As above				0 ppm	
	3.5 - 5.5			As above					
X	5.5 - 6.5			As above				0 ppm	
	6.5 - 8.5			White to buff silty sand					
X	8.5 - 9.5			As above				0 ppm	
				TD boring at approximately 9.5' bls					
				Note: No fuel odors detected in boring					

APPENDIX C

CHAIN-OF-CUSTODY RECORDS

Interla ratory Chain of Custody

QUANTERRA, INCORPORATED
BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

CLIENT CODE _____

QUOTE / SAR NUMBER _____

Chain-of Custody Record

76758

PROJ. NO. 07520.31

PROJECT NAME/LOCATION: CSS PANAMA CITY – FACILITY 278

SAMPLERS: (Signature) Andrew Rucinski / Joseph Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	TRPH (418.1)	601/602	EDB	~~TPH (8270)~~	~~(HNO3)~~	REMARKS
MW-1	2/2/95	1045		X	PCY-278-MW1	9 ~~10~~ AER	2	1	3	3	1	AER *	
MW-3	2/2/95	1035		X	PCY-278-MW3	9 ~~10~~	2	1	3	3	1		
MW-2	2/2/95	1130		X	PCY-278-MW2	9	2	1	3	3			
QA/QC	2/2/95	1125		X	RS-1	9	2	1	3	3			Rinsate
QA/QC	2/2/95	—		—	TB-1	3			3				trip blank
MW-12	2/2/95	1230		X	PCY-278-MW12	9	2	1	3	3			
MW-11	2/2/95	1220		X	PCY-278-MW 11	9	2	1	3	3			
MW-7	2/2/95	1415		X	PCY-278-MW7	9	2	1	3	3			
MW-15	2/2/95	1340		X	PCY-278-MW 15	9	2	1	3	3			
MW-8	2/2/95	1440		X	PCY-278-MW 8	9	2	1	3	3			
MW-9	2/2/95	1505		X	PCY-278-MW9	9	2	1	3	3			
MW-10	2/2/95	1530		X	PCY-278-MW10	9	2	1	3	3			
" "	"	"		X	" " "	18	4	2	6	6			MS/MSD from well MW-10
MW-6	2/2/95	1700		X	PCY-278-MW-6	9	2	1	3	3			
MW-6	2/2/95	1700		X	PCY-278-MW6D	9	2	1	3	3			duplicate sample

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
J. Fugitt	2-2-95 1800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	* Lead samples to be collected later

Distribution Original Accompanies Shipment. Copy returned with Report.

FORM 004

Interlaboratory Chain of Custody

QUANTERRA, INCORPORATED
BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

CLIENT CODE

QUOTE / SAR NUMBER

Chain-of Custody Record

76759

PROJ. NO. 07520.31

PROJECT NAME/LOCATION: CSS Panama City - Site 278

SAMPLERS: (Signature) Andrew Rucinski / Joseph F. Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	TRPH	601/602	EDB	LEAD	TS	REMARKS
SW-1A	2/4/95	0845		X	SW-1A	9	2	1	2	3	1		
SW-1B	2/4/95	0945		X	SW-1B	9	2	1	2	3	1		
SW-1C	2/4/95	1015		X	SW-1C	10	2	1	3	3	1		
SW-2A	2/4/95	1040		X	SW-2A	10	2	1	3	3	1		
SW-2B	2/4/95	1115		X	SW-2B	10	2	1	3	3	1		
SW-2C	2/4/95	1140		X	SW-2C	10	2	1	3	3	1		
RS-3	2/4/95	1200		X	RS-3	10	2	1	3	3	1		Rinsate
TB-3	2/4/95	—		X	TB-3	1			1				Trip Blank*
SD-1	2/4/95	1400		X	SD-1	2							volatiles / semi-volatiles
SD-2	2/4/95	1420		X	SD-2	2	"		"		"		in 4 oz jar, the rest
SD-2	2/4/95	1420		X	SD-2D	2	"		"		"		of parameters in one
													16 oz jar. TS for
													sed. samples

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2/4/95 1600				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
					* Trip Blank made from field DI H_2O source

Distribution Original Accompanies Shipment. Copy returned with Report.

Interlaboratory Chain of Custody

QUANTERRA, INCORPORATED
BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

2/2

CLIENT CODE _____

QUOTE / SAR NUMBER _____

Chain-of Custody Record

76760

PROJ. NO.	PROJECT NAME/LOCATION
07520.31	CSS PANAMA CITY- SITE 278

SAMPLERS: (Signature) Andrew Ruiemski / Joseph T. Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	TRPH	601/602	EDB	LEAD		REMARKS
RS-2	2/3/95	1305		X	RS-2	1					1		rinseate
MW-8	2/3/95	1320		X	PCY-278-MW8	1					1		
MW-7	2/3/95	1345		X	PCY-278-MW7	1					1		
TB-2	2/3/95	—		X	TB-2	1			1				* Trip blank made in field

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2-3-95 1800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				* Used DI source for trip blank	

Distribution Original Accompanies Shipment. Copy returned with Report.

FORM 004

QUANTERRA, INCORPORATED
BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Interlaboratory Chain of Custody

Quanterra Environmental Services

1 of 2

CLIENT CODE _____
QUOTE / SAR NUMBER _____
Chain-of Custody Record

76761

PROJ. NO. 07520.31
PROJECT NAME/LOCATION: CSS PANAMA CITY - Site 278
SAMPLERS: (Signature) Andrew Rucinski / Joseph Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	601/602	TRPH	EDB	LEAD	REMARKS
MW13D	2/2/95	1830		X	PCY-278-MW13D	9	2	3	1	3		
MW-14	2/3/95	0815		X	PCY-278-MW14	9	2	3	1	3		
MW-4	2/3/95	0915		X	PCY-278-MW4	9	2	3	1	3		
MW-4	2/3/95	0915		X	PCY-278-MW4D	9	2	3	1	3		duplicate sample
MW-1	2/3/95	1025		X	PCY-278-MW1	1					1	
MW-2	2/3/95	1035		X	PCY-278-MW2	1					1	
MW-3	2/3/95	1050		X	PCY-278-MW3	1					1	
MW-12	2/3/95	1105		X	PCY-278-MW12	1					1	
MW-12	2/3/95	1105		X	PCY-278-MW12D	1					1	duplicate sample
MW-14	2/3/95	1130		X	PCY-278-MW14	3					3	Triple volume for MS/MSD
MW-4	2/3/95	1205		X	PCY-278-MW4	1					1	
MW-13D	2/3/95	1210		X	PCY-278-MW13D	1					1	
MW-11	2/3/95	1225		X	PCY-278-MW11	1					1	
MW-15	2/3/95	1230		X	PCY-278-MW15	1					1	
MW-10	2/3/95	1300		X	PCY-278-MW10	1					1	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2/3/95 1800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution Original Accompanies Shipment. Copy returned with Report.

APPENDIX D

ANALYTICAL LABORATORY REPORTS FOR GROUNDWATER, SURFACE WATER, AND SURFACE WATER SEDIMENT SAMPLES

Quanterra Environmental Services

Quanterra Incorporated
5910 Breckenridge Parkway, Suite H
Tampa, Florida 33610

813 621-0784 Telephone
813 623-6021 Fax

ANALYTICAL REPORT

PROJECT NO. 7520.31

CSS PANAMA CITY SITE 278

KAREN HARTNETT

ABB ENVIRONMENTAL SERVICES

QUANTERRA INCORPORATED
Certification Numbers: E84059,HRS84297
FDEP CompQAP: 870270G

Joanne Anderson
Joanne Anderson
Project Manager

February 23, 1995

Quanterra Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B5B030101

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD
PCY-278-MW3				
Acenaphthene	2.9	2.0	ug/L	USEPA 610
PCY-278-MW6				
Ethylbenzene	12	1.0	ug/L	USEPA 602
Xylenes, Total	1.4	1.0	ug/L	USEPA 602
1-Methylnaphthalene	130	100	ug/L	USEPA 610
Petroleum Hydrocarbons Total Recoverable	43.2	10.0	mg/L	MCAWW 418.1
PCY-278-MW6D				
Ethylbenzene	10	1.0	ug/L	USEPA 602
Xylenes, Total	1.1	1.0	ug/L	USEPA 602
1-Methylnaphthalene	120	100	ug/L	USEPA 610
Petroleum Hydrocarbons Total Recoverable	27.1	10.0	mg/L	MCAWW 418.1
PCY-278-MW7				
Ethylbenzene	2.3	1.0	ug/L	USEPA 602
2-Methylnaphthalene	21	20	ug/L	USEPA 610
1-Methylnaphthalene	26	20	ug/L	USEPA 610
Petroleum Hydrocarbons Total Recoverable	2.3	1.0	mg/L	MCAWW 418.1
PCY-278-MW8				
Dichlorodifluoromethane	1.6	1.0	ug/L	USEPA 601
Fluoranthene	0.88	0.20	ug/L	USEPA 610
PCY-278-MW10				
Dichlorodifluoromethane	63	1.0	ug/L	USEPA 601
Acenaphthene	6.0	2.0	ug/L	USEPA 610
Fluoranthene	1.2	0.20	ug/L	USEPA 610
Fluorene	2.9	2.0	ug/L	USEPA 610

Quanterra
Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B5B060023

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD
PCY-278-MW4				
Ethylbenzene	4.8	1.0	ug/L	USEPA 602
2-Methylnaphthalene	100	10	ug/L	USEPA 610
Naphthalene	180	10	ug/L	USEPA 610
1-Methylnaphthalene	51	10	ug/L	USEPA 610
PCY-278-MW4D				
2-Methylnaphthalene	110	10	ug/L	USEPA 610
Naphthalene	200	10	ug/L	USEPA 610
1-Methylnaphthalene	59	10	ug/L	USEPA 610

Quanterra
Environmental Services

EXECUTIVE SUMMARY - Detection Highlights

B5B060037

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD
SD-1				
Benzo(a)pyrene	810	180	ug/kg	SW846 8310
Chrysene	1,000	180	ug/kg	SW846 8310
Fluoranthene	2,900	180	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	440	180	ug/kg	SW846 8310
Pyrene	2,200	180	ug/kg	SW846 8310
Petroleum Hydrocarbons, Total Recoverable	99.8	7.0	mg/kg	SW846 9073
Solids, Total (TS)	71.3	1.0	%	MCAWW 160.3
Lead	79.0	0.66	mg/kg	SW846 6010A
SD-2				
Benzo(a)anthracene	20	7.3	ug/kg	SW846 8310
Benzo(a)pyrene	30	7.3	ug/kg	SW846 8310
Chrysene	11	7.3	ug/kg	SW846 8310
Pyrene	56	7.3	ug/kg	SW846 8310
Petroleum Hydrocarbons, Total Recoverable	17.4	7.3	mg/kg	SW846 9073
Solids, Total (TS)	68.7	1.0	%	MCAWW 160.3
Lead	23.8	0.36	mg/kg	SW846 6010A
SD-2D				
Benzo(a)anthracene	560	77	ug/kg	SW846 8310
Benzo(k)fluoranthene	600	77	ug/kg	SW846 8310
Benzo(g,h,i)perylene	310	77	ug/kg	SW846 8310
Benzo(a)pyrene	990	77	ug/kg	SW846 8310
Chrysene	600	77	ug/kg	SW846 8310
Fluoranthene	1,600	77	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	510	77	ug/kg	SW846 8310
Phenanthrene	860	770	ug/kg	SW846 8310
Pyrene	1,600	77	ug/kg	SW846 8310
Petroleum Hydrocarbons, Total Recoverable	51.9	7.7	mg/kg	SW846 9073
Solids, Total (TS)	64.7	1.0	%	MCAWW 160.3
Lead	37.2	0.73	mg/kg	SW846 6010A

Quanterra
Environmental Services

ANALYTICAL METHODS SUMMARY

Parameters	Methods
Ethylene Dibromide by Purge and Trap/ECD	FL-HRS 601-MODIFIED
Volatile Organics	USEPA 601
Volatile Organics	USEPA 602
Volatile Organics	SW846 8010A
Volatile Organics	SW846 8020
Ethylene Dibromide by purge and trap/ECD	FL-HRS 8010A MOD
Polynuclear Aromatic Hydrocarbons	SW846 8310
Polynuclear Aromatic Hydrocarbons	USEPA 610
Petroleum Hydrocarbons Total Recoverable	MCAWW 418.1
Petroleum Hydrocarbons, Total Recoverable	SW846 9073
Lead	SW846 6010A
Lead	MCAWW 200.7
Solids, Total (TS)	MCAWW 160.3 MODIFIED

References:

FL-HRS Method Developed by the State of Florida Department of Health and Rehabilitative Services Analytical Laboratories.

MCAWW Methods for Chemical Analysis of Water and Wastes, EMSL: Cincinnati, OH: March 1983 and subsequent revisions

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, September, 1986 and subsequent revisions

USEPA Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, 40CFR, Part 136, Appendix A, October 26,1984 and subsequent revisions

Quanterra
Environmental Services

SAMPLE SUMMARY

The analytical results of the samples listed below are presented on the following pages.

WO #	LABORATORY ID	SAMPLE IDENTIFICATION
A2LFQ	B5B030101-001	PCY-278-MW1
A2LFV	B5B030101-002	PCY-278-MW2
A2LFX	B5B030101-003	PCY-278-MW3
A2LG1	B5B030101-004	PCY-278-MW6
A2LG3	B5B030101-005	PCY-278-MW6D
A2LG4	B5B030101-006	PCY-278-MW7
A2LG5	B5B030101-007	PCY-278-MW8
A2LG6	B5B030101-008	PCY-278-MW9
A2LG7	B5B030101-009	PCY-278-MW10
A2LG8	B5B030101-010	PCY-278-MW11
A2LG9	B5B030101-011	PCY-278-MW12
A2LGA	B5B030101-012	PCY-278-MW15
A2LGC	B5B030101-013	RS-1
A2LGD	B5B030101-014	TB-1

Quanterra
Environmental Services

SAMPLE SUMMARY

The analytical results of the samples listed below are presented on the following pages.

WO #	LABORATORY ID	SAMPLE IDENTIFICATION
A2M0F	B5B060023-001	PCY-278-MW13D
A2M0G	B5B060023-002	PCY-278-MW14
A2M0H	B5B060023-003	PCY-278-MW4
A2M0J	B5B060023-004	PCY-278-MW4D
A2M0K	B5B060023-005	PCY-278-MW1
A2M0L	B5B060023-006	PCY-278-MW2
A2M0M	B5B060023-007	PCY-278-MW3
A2M0N	B5B060023-008	PCY-278-MW12
A2M0P	B5B060023-009	PCY-278-MW12D
A2M0Q	B5B060023-010	PCY-278-MW14
A2M0R	B5B060023-011	PCY-278-MW4
A2M0T	B5B060023-012	PCY-278-MW13D
A2M0V	B5B060023-013	PCY-278-MW11
A2M0W	B5B060023-014	PCY-278-MW15
A2M0X	B5B060023-015	PCY-278-MW10
A2M10	B5B060023-016	RS-2
A2M12	B5B060023-017	PCY-278-MW8
A2M14	B5B060023-018	PCY-278-MW7
A2M18	B5B060023-019	PCY-278-MW6
A2M19	B5B060023-020	PCY-278-MW9
A2M1C	B5B060023-021	PCY-278-MW9D
A2M1D	B5B060023-022	TB-2

Quanterra
Environmental Services

SAMPLE SUMMARY

The analytical results of the samples listed below are presented on the following pages.

WO #	LABORATORY ID	SAMPLE IDENTIFICATION
A2M6P	B5B060037-001	SW-1A
A2M70	B5B060037-002	SW-1B
A2M7C	B5B060037-003	SW-1C
A2M7H	B5B060037-004	SW-2A
A2M7J	B5B060037-005	SW-2B
A2M7K	B5B060037-006	SW-2C
A2M7L	B5B060037-007	RS-3
A2M7M	B5B060037-008	TB-3
A2M7X	B5B060037-009	SD-1
A2M88	B5B060037-010	SD-2
A2M8D	B5B060037-011	SD-2D

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ104
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504[illegible]4
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	95	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ104
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	95	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ105
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ103
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	121	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ102
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	504[illegible]5
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	87	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2M0K
LAB #: B5B060023-005
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW1

WO #: A2LFQ
LAB #: B5B030101-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV104
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV104
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV105
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	98	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV103
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	128	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV102
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - - GC Semi-Volatiles - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	82	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2M0L
LAB #: B5B060023-006
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW2

WO #: A2LFV
LAB #: B5B030101-002
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX104
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504[illegible]
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	90	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX104
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	90	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX105
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	98	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX103
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	127	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX102
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	2.9	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	504[illegible]
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	84	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2M0M
LAB #: B5B060023-007
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW3

WO #: A2LFX
LAB #: B5B030101-003
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H104
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Bromoform	ND	1.0	USEPA 601	02/14/95	5046042
Bromomethane	ND	1.0	USEPA 601	02/14/95	5046042
Carbon tetrachloride	ND	1.0	USEPA 601	02/14/95	5046042
Chlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dibromochloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Chloroethane	ND	1.0	USEPA 601	02/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/14/95	5046042
Chloroform	ND	1.0	USEPA 601	02/14/95	5046042
Chloromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloropropane	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
Trichlorofluoromethane	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	96	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H104
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Tetrachloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Trichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
Vinyl chloride	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	96	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H105
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/14/95	5046040
Chlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
Ethylbenzene	**4.8**	**1.0**	**USEPA 602**	**02/14/95**	**5046040**
Toluene	ND	1.0	USEPA 602	02/14/95	5046040
Xylenes, Total	ND	1.0	USEPA 602	02/14/95	5046040
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	99	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H103
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/16/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	111	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H102
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	10	USEPA 610	02/09-02/16/95	5040130
Acenaphthylene	ND	10	USEPA 610	02/09-02/16/95	5040130
Anthracene	ND	10	USEPA 610	02/09-02/16/95	5040130
Benzo(a)anthracene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(b)fluoranthene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(k)fluoranthene	ND	0.75	USEPA 610	02/09-02/16/95	5040130
Benzo(g,h,i)perylene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(a)pyrene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Chrysene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Fluoranthene	ND	1.0	USEPA 610	02/09-02/16/95	5040130
Fluorene	ND	10	USEPA 610	02/09-02/16/95	5040130
Indeno(1,2,3-cd)pyrene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
2-Methylnaphthalene	**100**	**10**	**USEPA 610**	**02/09-02/16/95**	**5040130**
Naphthalene	**180**	**10**	**USEPA 610**	**02/09-02/16/95**	**5040130**
Phenanthrene	ND	10	USEPA 610	02/09-02/16/95	5040130
Pyrene	ND	1.0	USEPA 610	02/09-02/16/95	5040130
Dibenzo(a,h)anthracene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
1-Methylnaphthalene	**51**	**10**	**USEPA 610**	**02/09-02/16/95**	**5040130**

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	118	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0R
LAB #: B5B060023-011
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4

WO #: A2M0H
LAB #: B5B060023-003
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J104
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Bromoform	ND	1.0	USEPA 601	02/14/95	5046042
Bromomethane	ND	1.0	USEPA 601	02/14/95	5046042
Carbon tetrachloride	ND	1.0	USEPA 601	02/14/95	5046042
Chlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dibromochloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Chloroethane	ND	1.0	USEPA 601	02/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/14/95	5046042
Chloroform	ND	1.0	USEPA 601	02/14/95	5046042
Chloromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	504[illegible]2
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloropropane	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
Trichlorofluoromethane	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	82	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J104
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Tetrachloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Trichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
Vinyl chloride	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	82	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J105
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/14/95	5046040
Chlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
Ethylbenzene	ND	1.0	USEPA 602	02/14/95	5046040
Toluene	ND	1.0	USEPA 602	02/14/95	5046040
Xylenes, Total	ND	1.0	USEPA 602	02/14/95	5046040
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J103
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/16/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	92	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J102
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	10	USEPA 610	02/09-02/16/95	5040130
Acenaphthylene	ND	10	USEPA 610	02/09-02/16/95	5040130
Anthracene	ND	10	USEPA 610	02/09-02/16/95	5040130
Benzo(a)anthracene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(b)fluoranthene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(k)fluoranthene	ND	0.75	USEPA 610	02/09-02/16/95	5040130
Benzo(g,h,i)perylene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Benzo(a)pyrene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Chrysene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
Fluoranthene	ND	1.0	USEPA 610	02/09-02/16/95	5040130
Fluorene	ND	10	USEPA 610	02/09-02/16/95	5040130
Indeno(1,2,3-cd)pyrene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
2-Methylnaphthalene	110	10	USEPA 610	02/09-02/16/95	504 0
Naphthalene	200	10	USEPA 610	02/09-02/16/95	5040130
Phenanthrene	ND	10	USEPA 610	02/09-02/16/95	5040130
Pyrene	ND	1.0	USEPA 610	02/09-02/16/95	5040130
Dibenzo(a,h)anthracene	ND	0.50	USEPA 610	02/09-02/16/95	5040130
1-Methylnaphthalene	59	10	USEPA 610	02/09-02/16/95	5040130

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	113	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW4D

WO #: A2M0J
LAB #: B5B060023-004
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1104
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504 4
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1104
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1105
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	**12**	**1.0**	**USEPA 602**	**02/12/95**	**5045073**
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	**1.4**	**1.0**	**USEPA 602**	**02/12/95**	**5045073**
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	101	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1103
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	60	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1102
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - - GC Semi-Volatiles - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	100	USEPA 610	02/09-02/15/95	5040125
Acenaphthylene	ND	100	USEPA 610	02/09-02/15/95	5040125
Anthracene	ND	100	USEPA 610	02/09-02/15/95	5040125
Benzo(a)anthracene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(b)fluoranthene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(k)fluoranthene	ND	7.5	USEPA 610	02/09-02/15/95	5040125
Benzo(g,h,i)perylene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(a)pyrene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Chrysene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Fluoranthene	ND	10	USEPA 610	02/09-02/15/95	5040125
Fluorene	ND	100	USEPA 610	02/09-02/15/95	5040125
Indeno(1,2,3-cd)pyrene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
2-Methylnaphthalene	ND	100	USEPA 610	02/09-02/15/95	504[illegible]
Naphthalene	ND	100	USEPA 610	02/09-02/15/95	5040125
Phenanthrene	ND	100	USEPA 610	02/09-02/15/95	5040125
Pyrene	ND	10	USEPA 610	02/09-02/15/95	5040125
Dibenzo(a,h)anthracene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
1-Methylnaphthalene	130	100	USEPA 610	02/09-02/15/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	DIL	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2M18
LAB #: B5B060023-019
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6

WO #: A2LG1
LAB #: B5B030101-004
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	43.2	10.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3104
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	93	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3104
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	93	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3105
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/13/95	5044051
Chlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
Ethylbenzene	**10**	**1.0**	**USEPA 602**	**02/13/95**	**5044051**
Toluene	ND	1.0	USEPA 602	02/13/95	5044051
Xylenes, Total	**1.1**	**1.0**	**USEPA 602**	**02/13/95**	**5044051**
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/13/95	5044051

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	101	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3103
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	49	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3102
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	100	USEPA 610	02/09-02/15/95	5040125
Acenaphthylene	ND	100	USEPA 610	02/09-02/15/95	5040125
Anthracene	ND	100	USEPA 610	02/09-02/15/95	5040125
Benzo(a)anthracene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(b)fluoranthene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(k)fluoranthene	ND	7.5	USEPA 610	02/09-02/15/95	5040125
Benzo(g,h,i)perylene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Benzo(a)pyrene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Chrysene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
Fluoranthene	ND	10	USEPA 610	02/09-02/15/95	5040125
Fluorene	ND	100	USEPA 610	02/09-02/15/95	5040125
Indeno(1,2,3-cd)pyrene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
2-Methylnaphthalene	ND	100	USEPA 610	02/09-02/15/95	5040125
Naphthalene	ND	100	USEPA 610	02/09-02/15/95	5040125
Phenanthrene	ND	100	USEPA 610	02/09-02/15/95	5040125
Pyrene	ND	10	USEPA 610	02/09-02/15/95	5040125
Dibenzo(a,h)anthracene	ND	5.0	USEPA 610	02/09-02/15/95	5040125
1-Methylnaphthalene	120	100	USEPA 610	02/09-02/15/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	DIL	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW6D

WO #: A2LG3
LAB #: B5B030101-005
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	27.1	10.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4104
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	84	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4104
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	84	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4105
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/13/95	5044051
Chlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5044051
Ethylbenzene	**2.3**	**1.0**	**USEPA 602**	**02/13/95**	**5044051**
Toluene	ND	1.0	USEPA 602	02/13/95	5044051
Xylenes, Total	ND	1.0	USEPA 602	02/13/95	5044051
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/13/95	5044051

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	99	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4103
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	80	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4102
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	20	USEPA 610	02/09-02/15/95	5040125
Acenaphthylene	ND	20	USEPA 610	02/09-02/15/95	5040125
Anthracene	ND	20	USEPA 610	02/09-02/15/95	5040125
Benzo(a)anthracene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
Benzo(b)fluoranthene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
Benzo(k)fluoranthene	ND	1.5	USEPA 610	02/09-02/15/95	5040125
Benzo(g,h,i)perylene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
Benzo(a)pyrene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
Chrysene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
Fluoranthene	ND	2.0	USEPA 610	02/09-02/15/95	5040125
Fluorene	ND	20	USEPA 610	02/09-02/15/95	5040125
Indeno(1,2,3-cd)pyrene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
2-Methylnaphthalene	21	20	USEPA 610	02/09-02/15/95	5040125
Naphthalene	ND	20	USEPA 610	02/09-02/15/95	5040125
Phenanthrene	ND	20	USEPA 610	02/09-02/15/95	5040125
Pyrene	ND	2.0	USEPA 610	02/09-02/15/95	5040125
Dibenzo(a,h)anthracene	ND	1.0	USEPA 610	02/09-02/15/95	5040125
1-Methylnaphthalene	26	20	USEPA 610	02/09-02/15/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	DIL	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* ELEVATED DETECTION LIMIT DUE TO MATRIX INTERFERENCE.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2M14
LAB #: B5B060023-018
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

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PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW7

WO #: A2LG4
LAB #: B5B030101-006
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	2.3	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5104
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/13/95	5046031
Bromoform	ND	1.0	USEPA 601	02/13/95	5046031
Bromomethane	ND	1.0	USEPA 601	02/13/95	5046031
Carbon tetrachloride	ND	1.0	USEPA 601	02/13/95	5046031
Chlorobenzene	ND	1.0	USEPA 601	02/13/95	5046031
Dibromochloromethane	ND	1.0	USEPA 601	02/13/95	5046031
Chloroethane	ND	1.0	USEPA 601	02/13/95	5046031
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/13/95	5046031
Chloroform	ND	1.0	USEPA 601	02/13/95	5046031
Chloromethane	ND	1.0	USEPA 601	02/13/95	5046031
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/13/95	5046031
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/13/95	5046031
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/13/95	50[illegible]1
Dichlorodifluoromethane	1.6	1.0	USEPA 601	02/13/95	5046031
1,1-Dichloroethane	ND	1.0	USEPA 601	02/13/95	5046031
1,2-Dichloroethane	ND	1.0	USEPA 601	02/13/95	5046031
1,1-Dichloroethene	ND	1.0	USEPA 601	02/13/95	5046031
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/13/95	5046031
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/13/95	5046031
1,2-Dichloropropane	ND	1.0	USEPA 601	02/13/95	5046031
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/13/95	5046031
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/13/95	5046031
Trichlorofluoromethane	ND	1.0	USEPA 601	02/13/95	5046031

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	100	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5104
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/13/95	5046031
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/13/95	5046031
Tetrachloroethene	ND	1.0	USEPA 601	02/13/95	5046031
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/13/95	5046031
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/13/95	5046031
Trichloroethene	ND	1.0	USEPA 601	02/13/95	5046031
Vinyl chloride	ND	1.0	USEPA 601	02/13/95	5046031

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	100	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5105
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/13/95	5046028
Chlorobenzene	ND	1.0	USEPA 602	02/13/95	5046028
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5046028
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5046028
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/13/95	5046028
Ethylbenzene	ND	1.0	USEPA 602	02/13/95	5046028
Toluene	ND	1.0	USEPA 602	02/13/95	5046028
Xylenes, Total	ND	1.0	USEPA 602	02/13/95	5046028
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/13/95	5046028

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	98	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5103
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	109	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5102
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	**0.88**	**0.20**	**USEPA 610**	**02/09-02/13/95**	**5040125**
Fluorene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	504[illegible]5
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	82	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2M12
LAB #: B5B060023-017
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW8

WO #: A2LG5
LAB #: B5B030101-007
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6104
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	83	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6104
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	83	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6105
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6103
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	120	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6102
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	82	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2M19
LAB #: B5B060023-020
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9

WO #: A2LG6
LAB #: B5B030101-008
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW9D

WO #: A2M1C
LAB #: B5B060023-021
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7104
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	**63**	**1.0**	**USEPA 601**	**02/12/95**	**5045074**
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7104
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7105
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7103
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	127	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7102
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	6.0	2.0	USEPA 610	02/09-02/13/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
Fluoranthene	1.2	0.20	USEPA 610	02/09-02/13/95	5040125
Fluorene	2.9	2.0	USEPA 610	02/09-02/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Naphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/13/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/13/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	69	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2M0X
LAB #: B5B060023-015
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW10

WO #: A2LG7
LAB #: B5B030101-009
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8104
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504[illegible]4
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8104
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8105
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	99	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8103
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	130	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8102
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/14/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	504[illegible]5
Naphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	81	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2M0V
LAB #: B5B060023-013
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW11

WO #: A2LG8
LAB #: B5B030101-010
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9104
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9104
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9105
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	96	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9103
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	97	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9102
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/14/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Naphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	77	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2M0N
LAB #: B5B060023-008
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12

WO #: A2LG9
LAB #: B5B030101-011
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW12D

WO #: A2M0P
LAB #: B5B060023-009
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F104
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Bromoform	ND	1.0	USEPA 601	02/14/95	5046042
Bromomethane	ND	1.0	USEPA 601	02/14/95	5046042
Carbon tetrachloride	ND	1.0	USEPA 601	02/14/95	5046042
Chlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dibromochloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Chloroethane	ND	1.0	USEPA 601	02/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/14/95	5046042
Chloroform	ND	1.0	USEPA 601	02/14/95	5046042
Chloromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloropropane	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
Trichlorofluoromethane	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	98	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F104
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Tetrachloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Trichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
Vinyl chloride	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	98	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F105
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/14/95	5046040
Chlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
Ethylbenzene	ND	1.0	USEPA 602	02/14/95	5046040
Toluene	ND	1.0	USEPA 602	02/14/95	5046040
Xylenes, Total	ND	1.0	USEPA 602	02/14/95	5046040
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F103
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15-02/16/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	108	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F102
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Anthracene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/15/95	5040130
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Chrysene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Fluoranthene	ND	0.20	USEPA 610	02/09-02/15/95	5040130
Fluorene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Naphthalene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Phenanthrene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Pyrene	ND	0.20	USEPA 610	02/09-02/15/95	5040130
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/15/95	5040130

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	61	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0T
LAB #: B5B060023-012
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW13D

WO #: A2M0F
LAB #: B5B060023-001
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G104
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Bromoform	ND	1.0	USEPA 601	02/14/95	5046042
Bromomethane	ND	1.0	USEPA 601	02/14/95	5046042
Carbon tetrachloride	ND	1.0	USEPA 601	02/14/95	5046042
Chlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dibromochloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Chloroethane	ND	1.0	USEPA 601	02/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/14/95	5046042
Chloroform	ND	1.0	USEPA 601	02/14/95	5046042
Chloromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	504 2
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloropropane	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
Trichlorofluoromethane	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	94	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G104
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Tetrachloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Trichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
Vinyl chloride	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	94	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G105
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/14/95	5046040
Chlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
Ethylbenzene	ND	1.0	USEPA 602	02/14/95	5046040
Toluene	ND	1.0	USEPA 602	02/14/95	5046040
Xylenes, Total	ND	1.0	USEPA 602	02/14/95	5046040
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	96	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G103
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/16/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	120	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G102
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Anthracene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/15/95	5040130
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Chrysene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
Fluoranthene	ND	0.20	USEPA 610	02/09-02/15/95	5040130
Fluorene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/15/95	504 0
Naphthalene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Phenanthrene	ND	2.0	USEPA 610	02/09-02/15/95	5040130
Pyrene	ND	0.20	USEPA 610	02/09-02/15/95	5040130
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/15/95	5040130
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/15/95	5040130

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	85	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0Q
LAB #: B5B060023-010
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW14

WO #: A2M0G
LAB #: B5B060023-002
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA104
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	87	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA104
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	87	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA105
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA103
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	102	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA102
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/14/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Naphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	83	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2M0W
LAB #: B5B060023-014
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

PCY-278-MW15

WO #: A2LGA
LAB #: B5B030101-012
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X104
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzyl chloride	ND	7.0	SW846 8010A	02/17/95	5051105
Bromobenzene	ND	7.0	SW846 8010A	02/17/95	5051105
Bromodichloromethane	ND	7.0	SW846 8010A	02/17/95	5051105
Bromoform	ND	7.0	SW846 8010A	02/17/95	5051105
Bromomethane	ND	7.0	SW846 8010A	02/17/95	5051105
Carbon tetrachloride	ND	7.0	SW846 8010A	02/17/95	5051105
Chlorobenzene	ND	7.0	SW846 8010A	02/17/95	5051105
Dibromochloromethane	ND	7.0	SW846 8010A	02/17/95	5051105
Chloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
2-Chloroethyl vinyl ether	ND	7.0	SW846 8010A	02/17/95	5051105
Chloroform	ND	7.0	SW846 8010A	02/17/95	5051105
1-Chlorohexane	ND	7.0	SW846 8010A	02/17/95	5051105
Chloromethane	ND	7.0	SW846 8010A	02/17/95	505[illegible]5
2-Chlorotoluene	ND	7.0	SW846 8010A	02/17/95	5051105
Dibromomethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,2-Dichlorobenzene	ND	7.0	SW846 8010A	02/17/95	5051105
1,3-Dichlorobenzene	ND	7.0	SW846 8010A	02/17/95	5051105
1,4-Dichlorobenzene	ND	7.0	SW846 8010A	02/17/95	5051105
Dichlorodifluoromethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,1-Dichloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,2-Dichloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,1-Dichloroethylene	ND	7.0	SW846 8010A	02/17/95	5051105
cis-1,2-Dichloroethylene	ND	7.0	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	101	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X104
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
trans-1,2-Dichloro-ethylene	ND	7.0	SW846 8010A	02/17/95	5051105
1,2-Dichloropropane	ND	7.0	SW846 8010A	02/17/95	5051105
Trichlorofluoromethane	ND	7.0	SW846 8010A	02/17/95	5051105
Dichloromethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,1,1,2-Tetrachloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,1,2,2-Tetrachloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
Tetrachloroethylene	ND	7.0	SW846 8010A	02/17/95	5051105
1,1,1-Trichloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
1,1,2-Trichloroethane	ND	7.0	SW846 8010A	02/17/95	5051105
Trichloroethylene	ND	7.0	SW846 8010A	02/17/95	5051105
1,2,3-Trichloropropane	ND	7.0	SW846 8010A	02/17/95	5051105
Vinyl chloride	ND	7.0	SW846 8010A	02/17/95	5051105
trans-1,3-Dichloro-propylene	ND	7.0	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	101	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X105
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	7.0	SW846 8020	02/10/95	5045027
Chlorobenzene	ND	7.0	SW846 8020	02/10/95	5045027
1,2-Dichlorobenzene	ND	7.0	SW846 8020	02/10/95	5045027
1,3-Dichlorobenzene	ND	7.0	SW846 8020	02/10/95	5045027
1,4-Dichlorobenzene	ND	7.0	SW846 8020	02/10/95	5045027
Ethylbenzene	ND	7.0	SW846 8020	02/10/95	5045027
Toluene	ND	7.0	SW846 8020	02/10/95	5045027
Xylenes, Total	ND	7.0	SW846 8020	02/10/95	5045027
Methyl tert-butyl ether	ND	7.0	SW846 8020	02/10/95	5045027

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	102	(70 - 123)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X106
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (mg/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.0028	FL-HRS 8010A	02/18/95	5051044

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	78	(41 - 152)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X102
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	1,800	SW846 8310	02/16-02/21/95	5047207
Acenaphthylene	ND	3,500	SW846 8310	02/16-02/21/95	5047207
Anthracene	ND	1,800	SW846 8310	02/16-02/21/95	5047207
Benzo(a)anthracene	ND	180	SW846 8310	02/16-02/21/95	5047207
Benzo(b)fluoranthene	ND	180	SW846 8310	02/16-02/21/95	5047207
Benzo(k)fluoranthene	ND	180	SW846 8310	02/16-02/21/95	5047207
Benzo(g,h,i)perylene	ND	180	SW846 8310	02/16-02/21/95	5047207
Benzo(a)pyrene	**810**	**180**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Chrysene	**1,000**	**180**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Fluoranthene	**2,900**	**180**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Fluorene	ND	1,800	SW846 8310	02/16-02/21/95	5047207
Indeno(1,2,3-cd)pyrene	**440**	**180**	**SW846 8310**	**02/16-02/21/95**	**5047207**
2-Methylnaphthalene	ND	1,800	SW846 8310	02/16-02/21/95	504 /
Naphthalene	ND	1,800	SW846 8310	02/16-02/21/95	5047207
Phenanthrene	ND	1,800	SW846 8310	02/16-02/21/95	5047207
Pyrene	**2,200**	**180**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Dibenzo(a,h)anthracene	ND	180	SW846 8310	02/16-02/21/95	5047207
1-Methylnaphthalene	ND	1,800	SW846 8310	02/16-02/21/95	5047207

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	DIL	(30 - 130)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	79.0	0.66	mg/kg	SW846 6010A	2/08- 2/13/95	5046014

NOTE: DRY WEIGHT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-1

WO #: A2M7X
LAB #: B5B060037-009
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons, Total Recoverable	99.8	7.0	mg/kg	SW846 9073	2/09- 2/10/95	5040163
Solids, Total (TS)	71.3	1.0	%	MCAWW 160.3 M	2/13/95	5044114

NOTE: AS RECEIVED

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88104
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzyl chloride	ND	7.3	SW846 8010A	02/17/95	5051105
Bromobenzene	ND	7.3	SW846 8010A	02/17/95	5051105
Bromodichloromethane	ND	7.3	SW846 8010A	02/17/95	5051105
Bromoform	ND	7.3	SW846 8010A	02/17/95	5051105
Bromomethane	ND	7.3	SW846 8010A	02/17/95	5051105
Carbon tetrachloride	ND	7.3	SW846 8010A	02/17/95	5051105
Chlorobenzene	ND	7.3	SW846 8010A	02/17/95	5051105
Dibromochloromethane	ND	7.3	SW846 8010A	02/17/95	5051105
Chloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
2-Chloroethyl vinyl ether	ND	7.3	SW846 8010A	02/17/95	5051105
Chloroform	ND	7.3	SW846 8010A	02/17/95	5051105
1-Chlorohexane	ND	7.3	SW846 8010A	02/17/95	5051105
Chloromethane	ND	7.3	SW846 8010A	02/17/95	5051105
2-Chlorotoluene	ND	7.3	SW846 8010A	02/17/95	5051105
Dibromomethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,2-Dichlorobenzene	ND	7.3	SW846 8010A	02/17/95	5051105
1,3-Dichlorobenzene	ND	7.3	SW846 8010A	02/17/95	5051105
1,4-Dichlorobenzene	ND	7.3	SW846 8010A	02/17/95	5051105
Dichlorodifluoromethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,1-Dichloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,2-Dichloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,1-Dichloroethylene	ND	7.3	SW846 8010A	02/17/95	5051105
cis-1,2-Dichloroethylene	ND	7.3	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	102	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88104
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
trans-1,2-Dichloro-ethylene	ND	7.3	SW846 8010A	02/17/95	5051105
1,2-Dichloropropane	ND	7.3	SW846 8010A	02/17/95	5051105
Trichlorofluoromethane	ND	7.3	SW846 8010A	02/17/95	5051105
Dichloromethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,1,1,2-Tetrachloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,1,2,2-Tetrachloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
Tetrachloroethylene	ND	7.3	SW846 8010A	02/17/95	5051105
1,1,1-Trichloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
1,1,2-Trichloroethane	ND	7.3	SW846 8010A	02/17/95	5051105
Trichloroethylene	ND	7.3	SW846 8010A	02/17/95	5051105
1,2,3-Trichloropropane	ND	7.3	SW846 8010A	02/17/95	5051105
Vinyl chloride	ND	7.3	SW846 8010A	02/17/95	505[illegible]5
trans-1,3-Dichloro-propylene	ND	7.3	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	102	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88105
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	7.3	SW846 8020	02/10/95	5045027
Chlorobenzene	ND	7.3	SW846 8020	02/10/95	5045027
1,2-Dichlorobenzene	ND	7.3	SW846 8020	02/10/95	5045027
1,3-Dichlorobenzene	ND	7.3	SW846 8020	02/10/95	5045027
1,4-Dichlorobenzene	ND	7.3	SW846 8020	02/10/95	5045027
Ethylbenzene	ND	7.3	SW846 8020	02/10/95	5045027
Toluene	ND	7.3	SW846 8020	02/10/95	5045027
Xylenes, Total	ND	7.3	SW846 8020	02/10/95	5045027
Methyl tert-butyl ether	ND	7.3	SW846 8020	02/10/95	5045027

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	107	(70 - 123)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88106
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (mg/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.0029	FL-HRS 8010A	02/18/95	5051044

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	67	(41 - 152)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88102
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	73	SW846 8310	02/16-02/21/95	5047207
Acenaphthylene	ND	150	SW846 8310	02/16-02/21/95	5047207
Anthracene	ND	73	SW846 8310	02/16-02/21/95	5047207
Benzo(a)anthracene	**20**	**7.3**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Benzo(b)fluoranthene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
Benzo(k)fluoranthene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
Benzo(g,h,i)perylene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
Benzo(a)pyrene	**30**	**7.3**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Chrysene	**11**	**7.3**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Fluoranthene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
Fluorene	ND	73	SW846 8310	02/16-02/21/95	5047207
Indeno(1,2,3-cd)pyrene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
2-Methylnaphthalene	ND	73	SW846 8310	02/16-02/21/95	5047207
Naphthalene	ND	73	SW846 8310	02/16-02/21/95	5047207
Phenanthrene	ND	73	SW846 8310	02/16-02/21/95	5047207
Pyrene	**56**	**7.3**	**SW846 8310**	**02/16-02/21/95**	**5047207**
Dibenzo(a,h)anthracene	ND	7.3	SW846 8310	02/16-02/21/95	5047207
1-Methylnaphthalene	ND	73	SW846 8310	02/16-02/21/95	5047207

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	53	(30 - 130)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2

WO #: A2M88
LAB #: B5B060037-010
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons, Total Recoverable	17.4	7.3	mg/kg	SW846 9073	2/09- 2/10/95	5040163
Solids, Total (TS)	68.7	1.0	%	MCAWW 160.3 M	2/13/95	5044114

NOTE: AS RECEIVED

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D104
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzyl chloride	ND	7.7	SW846 8010A	02/17/95	5051105
Bromobenzene	ND	7.7	SW846 8010A	02/17/95	5051105
Bromodichloromethane	ND	7.7	SW846 8010A	02/17/95	5051105
Bromoform	ND	7.7	SW846 8010A	02/17/95	5051105
Bromomethane	ND	7.7	SW846 8010A	02/17/95	5051105
Carbon tetrachloride	ND	7.7	SW846 8010A	02/17/95	5051105
Chlorobenzene	ND	7.7	SW846 8010A	02/17/95	5051105
Dibromochloromethane	ND	7.7	SW846 8010A	02/17/95	5051105
Chloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
2-Chloroethyl vinyl ether	ND	7.7	SW846 8010A	02/17/95	5051105
Chloroform	ND	7.7	SW846 8010A	02/17/95	5051105
1-Chlorohexane	ND	7.7	SW846 8010A	02/17/95	5051105
Chloromethane	ND	7.7	SW846 8010A	02/17/95	5051105
2-Chlorotoluene	ND	7.7	SW846 8010A	02/17/95	5051105
Dibromomethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,2-Dichlorobenzene	ND	7.7	SW846 8010A	02/17/95	5051105
1,3-Dichlorobenzene	ND	7.7	SW846 8010A	02/17/95	5051105
1,4-Dichlorobenzene	ND	7.7	SW846 8010A	02/17/95	5051105
Dichlorodifluoromethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,1-Dichloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,2-Dichloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,1-Dichloroethylene	ND	7.7	SW846 8010A	02/17/95	5051105
cis-1,2-Dichloroethylene	ND	7.7	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	121	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D104
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
trans-1,2-Dichloro-ethylene	ND	7.7	SW846 8010A	02/17/95	5051105
1,2-Dichloropropane	ND	7.7	SW846 8010A	02/17/95	5051105
Trichlorofluoromethane	ND	7.7	SW846 8010A	02/17/95	5051105
Dichloromethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,1,1,2-Tetrachloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,1,2,2-Tetrachloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
Tetrachloroethylene	ND	7.7	SW846 8010A	02/17/95	5051105
1,1,1-Trichloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
1,1,2-Trichloroethane	ND	7.7	SW846 8010A	02/17/95	5051105
Trichloroethylene	ND	7.7	SW846 8010A	02/17/95	5051105
1,2,3-Trichloropropane	ND	7.7	SW846 8010A	02/17/95	5051105
Vinyl chloride	ND	7.7	SW846 8010A	02/17/95	505[illegible]5
trans-1,3-Dichloro-propylene	ND	7.7	SW846 8010A	02/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	121	(43 - 143)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D105
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	7.7	SW846 8020	02/10/95	5045027
Chlorobenzene	ND	7.7	SW846 8020	02/10/95	5045027
1,2-Dichlorobenzene	ND	7.7	SW846 8020	02/10/95	5045027
1,3-Dichlorobenzene	ND	7.7	SW846 8020	02/10/95	5045027
1,4-Dichlorobenzene	ND	7.7	SW846 8020	02/10/95	5045027
Ethylbenzene	ND	7.7	SW846 8020	02/10/95	5045027
Toluene	ND	7.7	SW846 8020	02/10/95	5045027
Xylenes, Total	ND	7.7	SW846 8020	02/10/95	5045027
Methyl tert-butyl ether	ND	7.7	SW846 8020	02/10/95	5045027

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	105	(70 - 123)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D106
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (mg/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.0031	FL-HRS 8010A	02/18/95	5051044

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	80	(41 - 152)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D102
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	770	SW846 8310	02/16-02/22/95	5047207
Acenaphthylene	ND	1,500	SW846 8310	02/16-02/22/95	5047207
Anthracene	ND	770	SW846 8310	02/16-02/22/95	5047207
Benzo(a)anthracene	560	77	SW846 8310	02/16-02/22/95	5047207
Benzo(b)fluoranthene	ND	77	SW846 8310	02/16-02/22/95	5047207
Benzo(k)fluoranthene	600	77	SW846 8310	02/16-02/22/95	5047207
Benzo(g,h,i)perylene	310	77	SW846 8310	02/16-02/22/95	5047207
Benzo(a)pyrene	990	77	SW846 8310	02/16-02/22/95	5047207
Chrysene	600	77	SW846 8310	02/16-02/22/95	5047207
Fluoranthene	1,600	77	SW846 8310	02/16-02/22/95	5047207
Fluorene	ND	770	SW846 8310	02/16-02/22/95	5047207
Indeno(1,2,3-cd)pyrene	510	77	SW846 8310	02/16-02/22/95	5047207
2-Methylnaphthalene	ND	770	SW846 8310	02/16-02/22/95	5047207
Naphthalene	ND	770	SW846 8310	02/16-02/22/95	5047207
Phenanthrene	860	770	SW846 8310	02/16-02/22/95	5047207
Pyrene	1,600	77	SW846 8310	02/16-02/22/95	5047207
Dibenzo(a,h)anthracene	ND	77	SW846 8310	02/16-02/22/95	5047207
1-Methylnaphthalene	ND	770	SW846 8310	02/16-02/22/95	5047207

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	DIL	(30 - 130)

NOTE: DRY WEIGHT
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	37.2	0.73	mg/kg	SW846 6010A	2/08- 2/13/95	5046014

NOTE: DRY WEIGHT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SD-2D

WO #: A2M8D
LAB #: B5B060037-011
MATRIX: SOLID

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons, Total Recoverable	51.9	7.7	mg/kg	SW846 9073	2/09- 2/10/95	5040163
Solids, Total (TS)	64.7	1.0	%	MCAWW 160.3 M	2/13/95	5044114

NOTE: AS RECEIVED

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P105
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/15/95	5047186
Bromoform	ND	1.0	USEPA 601	02/15/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/15/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/15/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/15/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/15/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/15/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/15/95	5047186
Chloroform	ND	1.0	USEPA 601	02/15/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/15/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/15/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/15/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/15/95	504[illegible]6
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/15/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/15/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/15/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/15/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/15/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/15/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/15/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/15/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/15/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/15/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P105
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/15/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/15/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/15/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/15/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/15/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/15/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/15/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P106
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/15/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/15/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/15/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/15/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/15/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/15/95	5047189
Toluene	ND	1.0	USEPA 602	02/15/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/15/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/15/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	96	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P104
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	135	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P103
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	504[illegible]3
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	79	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1A

WO #: A2M6P
LAB #: B5B060037-001
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70105
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	100	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70105
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	100	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70106
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70104
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	1,730*	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* SURROGATE(S) OUTSIDE ACCEPTANCE CRITERIA DUE TO DEMONSTRATED MATRIX EFFECT.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70103
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - - GC Semi-Volatiles - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	81	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1B

WO #: A2M70
LAB #: B5B060037-002
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C105
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	504[illegible]6
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	94	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C105
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	94	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C106
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C104
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	417*	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* SURROGATE(S) OUTSIDE ACCEPTANCE CRITERIA DUE TO DEMONSTRATED MATRIX EFFECT.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C103
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	504 3
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	83	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-1C

WO #: A2M7C
LAB #: B5B060037-003
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H105
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	97	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H105
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	50[illegible]6
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	97	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H106
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H104
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	140	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H103
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	71	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- REQUESTED METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2A

WO #: A2M7H
LAB #: B5B060037-004
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J105
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	504 6
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J105
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J106
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J104
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	448*	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* SURROGATE(S) OUTSIDE ACCEPTANCE CRITERIA DUE TO DEMONSTRATED MATRIX EFFECT.

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J103
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	504[illegible]3
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	77	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2B

WO #: A2M7J
LAB #: B5B060037-005
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K105
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	101	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K105
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	101	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K106
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	95	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K104
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	166*	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT
* SURROGATE(S) OUTSIDE ACCEPTANCE CRITERIA DUE TO DEMONSTRATED MATRIX EFFECT.

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K103
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - - GC Semi-Volatiles - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	77	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

SW-2C

WO #: A2M7K
LAB #: B5B060037-006
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC104
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504[illegible]
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC104
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	92	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC105
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC103
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	109	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC102
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Acenaphthylene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Anthracene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Benzo(a)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/09-02/14/95	5040125
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Benzo(a)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Chrysene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
Fluoranthene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Fluorene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
2-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	504[illegible]5
Naphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Phenanthrene	ND	2.0	USEPA 610	02/09-02/14/95	5040125
Pyrene	ND	0.20	USEPA 610	02/09-02/14/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/09-02/14/95	5040125
1-Methylnaphthalene	ND	2.0	USEPA 610	02/09-02/14/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	59	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-1

WO #: A2LGC
LAB #: B5B030101-013
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- - - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/15- 2/16/95	5047162

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-2

WO #: A2M10
LAB #: B5B060023-016
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- - - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95	5040175

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L105
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L105
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L106
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L104
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	FL-HRS 601-M	02/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	69	(41 - 152)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L103
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Acenaphthylene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Anthracene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Benzo(a)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	USEPA 610	02/10-02/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Benzo(a)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Chrysene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
Fluoranthene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Fluorene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
2-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Naphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Phenanthrene	ND	2.0	USEPA 610	02/10-02/16/95	5041093
Pyrene	ND	0.20	USEPA 610	02/10-02/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	USEPA 610	02/10-02/16/95	5041093
1-Methylnaphthalene	ND	2.0	USEPA 610	02/10-02/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	83	(30 - 130)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - - REQUESTED METALS - - - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95	5038087

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

RS-3

WO #: A2M7L
LAB #: B5B060037-007
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- - - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons Total Recoverable	ND	1.0	mg/L	MCAWW 418.1	2/16- 2/17/95	5048023

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-1

WO #: A2LGD101
LAB #: B5B030101-014
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Bromoform	ND	1.0	USEPA 601	02/12/95	5045074
Bromomethane	ND	1.0	USEPA 601	02/12/95	5045074
Carbon tetrachloride	ND	1.0	USEPA 601	02/12/95	5045074
Chlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
Dibromochloromethane	ND	1.0	USEPA 601	02/12/95	5045074
Chloroethane	ND	1.0	USEPA 601	02/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/12/95	5045074
Chloroform	ND	1.0	USEPA 601	02/12/95	5045074
Chloromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/12/95	504[illegible]
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,2-Dichloropropane	ND	1.0	USEPA 601	02/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/12/95	5045074
Trichlorofluoromethane	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	89	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-1

WO #: A2LGD101
LAB #: B5B030101-014
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Tetrachloroethene	ND	1.0	USEPA 601	02/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/12/95	5045074
Trichloroethene	ND	1.0	USEPA 601	02/12/95	5045074
Vinyl chloride	ND	1.0	USEPA 601	02/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	89	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-1

WO #: A2LGD102
LAB #: B5B030101-014
MATRIX: WATER

DATE SAMPLED: 2/02/95
DATE RECEIVED: 2/03/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/12/95	5045073
Chlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/12/95	5045073
Ethylbenzene	ND	1.0	USEPA 602	02/12/95	5045073
Toluene	ND	1.0	USEPA 602	02/12/95	5045073
Xylenes, Total	ND	1.0	USEPA 602	02/12/95	5045073
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-2

WO #: A2M1D101
LAB #: B5B060023-022
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Bromoform	ND	1.0	USEPA 601	02/14/95	5046042
Bromomethane	ND	1.0	USEPA 601	02/14/95	5046042
Carbon tetrachloride	ND	1.0	USEPA 601	02/14/95	5046042
Chlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dibromochloromethane	ND	1.0	USEPA 601	02/14/95	5046042
Chloroethane	ND	1.0	USEPA 601	02/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/14/95	5046042
Chloroform	ND	1.0	USEPA 601	02/14/95	5046042
Chloromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/14/95	5046042
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,2-Dichloropropane	ND	1.0	USEPA 601	02/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/14/95	5046042
Trichlorofluoromethane	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	113	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-2

WO #: A2M1D101
LAB #: B5B060023-022
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Tetrachloroethene	ND	1.0	USEPA 601	02/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/14/95	5046042
Trichloroethene	ND	1.0	USEPA 601	02/14/95	5046042
Vinyl chloride	ND	1.0	USEPA 601	02/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	113	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-2

WO #: A2M1D102
LAB #: B5B060023-022
MATRIX: WATER

DATE SAMPLED: 2/03/95
DATE RECEIVED: 2/04/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/14/95	5046040
Chlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/14/95	5046040
Ethylbenzene	ND	1.0	USEPA 602	02/14/95	5046040
Toluene	ND	1.0	USEPA 602	02/14/95	5046040
Xylenes, Total	ND	1.0	USEPA 602	02/14/95	5046040
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	96	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-3

WO #: A2M7M101
LAB #: B5B060037-008
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Bromoform	ND	1.0	USEPA 601	02/16/95	5047186
Bromomethane	ND	1.0	USEPA 601	02/16/95	5047186
Carbon tetrachloride	ND	1.0	USEPA 601	02/16/95	5047186
Chlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
Dibromochloromethane	ND	1.0	USEPA 601	02/16/95	5047186
Chloroethane	ND	1.0	USEPA 601	02/16/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	USEPA 601	02/16/95	5047186
Chloroform	ND	1.0	USEPA 601	02/16/95	5047186
Chloromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,3-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	5047186
1,4-Dichlorobenzene	ND	1.0	USEPA 601	02/16/95	504[illegible]6
Dichlorodifluoromethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,2-Dichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,2-Dichloropropane	ND	1.0	USEPA 601	02/16/95	5047186
cis-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
trans-1,3-Dichloropropene	ND	1.0	USEPA 601	02/16/95	5047186
Trichlorofluoromethane	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	88	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-3

WO #: A2M7M101
LAB #: B5B060037-008
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Methylene chloride	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Tetrachloroethene	ND	1.0	USEPA 601	02/16/95	5047186
1,1,1-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
1,1,2-Trichloroethane	ND	1.0	USEPA 601	02/16/95	5047186
Trichloroethene	ND	1.0	USEPA 601	02/16/95	5047186
Vinyl chloride	ND	1.0	USEPA 601	02/16/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane *	88	(78 - 122)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

ABB ENVIRONMENTAL SERVICES

TB-3

WO #: A2M7M102
LAB #: B5B060037-008
MATRIX: WATER

DATE SAMPLED: 2/04/95
DATE RECEIVED: 2/06/95

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	METHOD	EXTRACTION-ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	USEPA 602	02/16/95	5047189
Chlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,2-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,3-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
1,4-Dichlorobenzene	ND	1.0	USEPA 602	02/16/95	5047189
Ethylbenzene	ND	1.0	USEPA 602	02/16/95	5047189
Toluene	ND	1.0	USEPA 602	02/16/95	5047189
Xylenes, Total	ND	1.0	USEPA 602	02/16/95	5047189
Methyl tert-butyl ether	ND	1.0	USEPA 602	02/16/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE: AS RECEIVED
ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

QUALITY CONTROL SECTION

- Quality Control Summary
- Laboratory Blanks
- Laboratory Control Sample
- Matrix Spike/Matrix Spike Duplicate Results
- Sample Custody Documentation

Quanterra
Environmental Services

QUALITY ASSURANCE / QUALITY CONTROL PROGRAM SUMMARY

Quanterra Environmental Services considers continuous analytical method performance evaluations to be an integral portion of the data package, and routinely includes the pertinent QA/QC data associated with various analytical result reports. Brief discussions of the various QA/QC procedures utilized to measure acceptable method and matrix performance follow.

Surrogate Spike Recovery Evaluations

Known concentrations of designated surrogate spikes, consisting of a number of similar, non-method compounds or method compound analogues, are added, as appropriate, to routine GC and GC/MS sample fractions prior to extraction and analysis. The percent recovery determinations calculated from the subsequent analysis is an indication of the overall method efficiency for the individual sample. This surrogate spike recovery data is displayed alongside acceptable analytical method performance limits at the bottom of each applicable analytical result report sheet.

NOTE: Acceptable method performance for Base/Neutral Acid extractables is indicated by two (2) of three (3) surrogates for each fraction with a minimum recovery of ten (10) percent each. For Pesticides one (1) of two (2) surrogates meeting performance criteria is acceptable.

Laboratory Analytical Method Blank Evaluations

Laboratory analytical method blanks are systematically prepared and analyzed in order to continuously evaluate the system interferences and background contamination levels associated with each analytical method. These method blanks include all aspects of actual laboratory method analysis (chemical reagents, glassware, etc.), substituting laboratory reagent water or solid for actual sample. The method blank must not contain any analytes above the reported detection limit. The following common laboratory contaminants are exceptions to this rule provided they are not present at greater than five times the detection limit.

Volatiles	Semi-volatiles	Metals
Methylene chloride	Dimethyl phthalate	Calcium
Toluene	Diethly phthalate	Magnesium
2-Butanone	Di-n-butyl phthalate	Sodium
Acetone	Butyl benzyl phthalate	
	Bis (2-ethylhexyl) phthalate	

A minimum of five percent (5%) of all laboratory analyses are laboratory analytical method blanks.

Laboratory Analytical Method Check Sample Evaluations

Known concentrations of designated matrix spikes (actual analytical method compounds) are added to a laboratory reagent blank prior to extraction and analysis. Percent recovery determinations demonstrate the performance of the analytical method. Failure of a check sample to meet established laboratory recovery criteria is cause to stop the analysis until the problem is resolved.

QUALITY ASSURANCE / QUALITY CONTROL
PROGRAM SUMMARY
(cont'd)

At that time all associated samples must be re-analyzed. A minimum of five percent (5%) of all laboratory analyses are laboratory analytical method check samples.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) Recovery Evaluations

Known concentrations of designated matrix spikes (actual analytical method compounds) are added to two of three separate aliquots of a sequentially predetermined sample prior to extraction and analysis. Percent recovery determinations are calculated from both of the spiked samples by comparison to the actual values generated from the unspiked sample. These percent recovery determinations indicate the accuracy of the analysis at recovering actual analytical method compounds from the matrix. Relative percent difference determinations calculated from a comparison of the MS/MSD recoveries demonstrate the precision of the analytical method. Actual percent recovery and relative percent difference data is displayed alongside their respective acceptable analytical method performance limits in the QA/QC section of the report. The MS/MSD are considered in control when the precision is within established control limits and the associated check sample has been found to be acceptable. A minimum of ten percent (10%) of all analyses are MS/MSD quality control samples.

**********EXAMPLE**********

COMPOUND	SAMPLE CONC.	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
4,4'-DDT	0	95	112	16	22	66-119
Benzene	10	86	93	8	20	39-150
(cmpd. name)	sample result	1st% recov.	2nd% recov.	Rel.% diff.	accep. method perform range	

Analytical Result Qualifiers

The following qualifiers, as defined below, may be appended to analytical results in order to allow proper interpretation of the results presented:

J - indicates an estimated concentration (typically used when a dilution, matrix interference or instrumental limitation prevents accurate quantitation of a particular analyte).

B - indicates the presence of a particular analyte in the laboratory blank analyzed concurrently with the samples. Results must be interpreted accordingly.

DIL - indicates that because of matrix interferences and/or high analyte concentrations, it was necessary to dilute the sample to a point where the surrogate or spike concentrations fell below a quantifiable amount and could not be reported.

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B140000-027

- GC Volatiles -

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	5.0	2/10/95	5045027
Chlorobenzene	ND	5.0	2/10/95	5045027
1,2-Dichlorobenzene	ND	5.0	2/10/95	5045027
1,3-Dichlorobenzene	ND	5.0	2/10/95	5045027
1,4-Dichlorobenzene	ND	5.0	2/10/95	5045027
Ethylbenzene	ND	5.0	2/10/95	5045027
Toluene	ND	5.0	2/10/95	5045027
Xylenes, Total	ND	5.0	2/10/95	5045027
Methyl tert-butyl ether	ND	5.0	2/10/95	5045027

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	103	(70 - 123)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B140000-074

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	2/12/95	5045074
Bromoform	ND	1.0	2/12/95	5045074
Bromomethane	ND	1.0	2/12/95	5045074
Carbon tetrachloride	ND	1.0	2/12/95	5045074
Chlorobenzene	ND	1.0	2/12/95	5045074
Dibromochloromethane	ND	1.0	2/12/95	5045074
Chloroethane	ND	1.0	2/12/95	5045074
2-Chloroethyl vinyl ether	ND	1.0	2/12/95	5045074
Chloroform	ND	1.0	2/12/95	5045074
Chloromethane	ND	1.0	2/12/95	5045074
1,2-Dichlorobenzene	ND	1.0	2/12/95	5045074
1,3-Dichlorobenzene	ND	1.0	2/12/95	5045074
1,4-Dichlorobenzene	ND	1.0	2/12/95	5045
Dichlorodifluoromethane	ND	1.0	2/12/95	5045074
1,1-Dichloroethane	ND	1.0	2/12/95	5045074
1,2-Dichloroethane	ND	1.0	2/12/95	5045074
1,1-Dichloroethene	ND	1.0	2/12/95	5045074
cis-1,2-Dichloroethene	ND	1.0	2/12/95	5045074
trans-1,2-Dichloroethene	ND	1.0	2/12/95	5045074
1,2-Dichloropropane	ND	1.0	2/12/95	5045074
cis-1,3-Dichloropropene	ND	1.0	2/12/95	5045074
trans-1,3-Dichloropropene	ND	1.0	2/12/95	5045074
Trichlorofluoromethane	ND	1.0	2/12/95	5045074
Methylene chloride	ND	1.0	2/12/95	5045074
1,1,2,2-Tetrachloroethane	ND	1.0	2/12/95	5045074
SURROGATE RECOVERY	%	ACCEPTABLE LIMITS		
Bromochloromethane	91	(78 - 122)		

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B140000-074

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Tetrachloroethene	ND	1.0	2/12/95	5045074
1,1,1-Trichloroethane	ND	1.0	2/12/95	5045074
1,1,2-Trichloroethane	ND	1.0	2/12/95	5045074
Trichloroethene	ND	1.0	2/12/95	5045074
Vinyl chloride	ND	1.0	2/12/95	5045074

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	91	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B130000-051

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	2/12/95	5044051
Chlorobenzene	ND	1.0	2/12/95	5044051
1,2-Dichlorobenzene	ND	1.0	2/12/95	5044051
1,3-Dichlorobenzene	ND	1.0	2/12/95	5044051
1,4-Dichlorobenzene	ND	1.0	2/12/95	5044051
Ethylbenzene	ND	1.0	2/12/95	5044051
Toluene	ND	1.0	2/12/95	5044051
Xylenes, Total	ND	1.0	2/12/95	5044051
Methyl tert-butyl ether	ND	1.0	2/12/95	5044051

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	100	(73 - 131)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B140000-073

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	2/12/95	5045073
Chlorobenzene	ND	1.0	2/12/95	5045073
1,2-Dichlorobenzene	ND	1.0	2/12/95	5045073
1,3-Dichlorobenzene	ND	1.0	2/12/95	5045073
1,4-Dichlorobenzene	ND	1.0	2/12/95	5045073
Ethylbenzene	ND	1.0	2/12/95	5045073
Toluene	ND	1.0	2/12/95	5045073
Xylenes, Total	ND	1.0	2/12/95	5045073
Methyl tert-butyl ether	ND	1.0	2/12/95	5045073

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-031

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	2/12- 2/13/95	5046031
Bromoform	ND	1.0	2/12- 2/13/95	5046031
Bromomethane	ND	1.0	2/12- 2/13/95	5046031
Carbon tetrachloride	ND	1.0	2/12- 2/13/95	5046031
Chlorobenzene	ND	1.0	2/12- 2/13/95	5046031
Dibromochloromethane	ND	1.0	2/12- 2/13/95	5046031
Chloroethane	ND	1.0	2/12- 2/13/95	5046031
2-Chloroethyl vinyl ether	ND	1.0	2/12- 2/13/95	5046031
Chloroform	ND	1.0	2/12- 2/13/95	5046031
Chloromethane	ND	1.0	2/12- 2/13/95	5046031
1,2-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046031
1,3-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046031
1,4-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046[illegible]
Dichlorodifluoromethane	ND	1.0	2/12- 2/13/95	5046031
1,1-Dichloroethane	ND	1.0	2/12- 2/13/95	5046031
1,2-Dichloroethane	ND	1.0	2/12- 2/13/95	5046031
1,1-Dichloroethene	ND	1.0	2/12- 2/13/95	5046031
cis-1,2-Dichloroethene	ND	1.0	2/12- 2/13/95	5046031
trans-1,2-Dichloroethene	ND	1.0	2/12- 2/13/95	5046031
1,2-Dichloropropane	ND	1.0	2/12- 2/13/95	5046031
cis-1,3-Dichloropropene	ND	1.0	2/12- 2/13/95	5046031
trans-1,3-Dichloropropene	ND	1.0	2/12- 2/13/95	5046031
Trichlorofluoromethane	ND	1.0	2/12- 2/13/95	5046031
Methylene chloride	ND	1.0	2/12- 2/13/95	5046031
1,1,2,2-Tetrachloroethane	ND	1.0	2/12- 2/13/95	5046031
SURROGATE RECOVERY	%	ACCEPTABLE LIMITS		
Bromochloromethane	88	(78 - 122)		

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-031

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Tetrachloroethene	ND	1.0	2/12- 2/13/95	5046031
1,1,1-Trichloroethane	ND	1.0	2/12- 2/13/95	5046031
1,1,2-Trichloroethane	ND	1.0	2/12- 2/13/95	5046031
Trichloroethene	ND	1.0	2/12- 2/13/95	5046031
Vinyl chloride	ND	1.0	2/12- 2/13/95	5046031

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	88	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-028

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	2/12- 2/13/95	5046028
Chlorobenzene	ND	1.0	2/12- 2/13/95	5046028
1,2-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046028
1,3-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046028
1,4-Dichlorobenzene	ND	1.0	2/12- 2/13/95	5046028
Ethylbenzene	ND	1.0	2/12- 2/13/95	5046028
Toluene	ND	1.0	2/12- 2/13/95	5046028
Xylenes, Total	ND	1.0	2/12- 2/13/95	5046028
Methyl tert-butyl ether	ND	1.0	2/12- 2/13/95	5046028

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-042

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	2/14/95	5046042
Bromoform	ND	1.0	2/14/95	5046042
Bromomethane	ND	1.0	2/14/95	5046042
Carbon tetrachloride	ND	1.0	2/14/95	5046042
Chlorobenzene	ND	1.0	2/14/95	5046042
Dibromochloromethane	ND	1.0	2/14/95	5046042
Chloroethane	ND	1.0	2/14/95	5046042
2-Chloroethyl vinyl ether	ND	1.0	2/14/95	5046042
Chloroform	ND	1.0	2/14/95	5046042
Chloromethane	ND	1.0	2/14/95	5046042
1,2-Dichlorobenzene	ND	1.0	2/14/95	5046042
1,3-Dichlorobenzene	ND	1.0	2/14/95	5046042
1,4-Dichlorobenzene	ND	1.0	2/14/95	5046042
Dichlorodifluoromethane	ND	1.0	2/14/95	5046042
1,1-Dichloroethane	ND	1.0	2/14/95	5046042
1,2-Dichloroethane	ND	1.0	2/14/95	5046042
1,1-Dichloroethene	ND	1.0	2/14/95	5046042
cis-1,2-Dichloroethene	ND	1.0	2/14/95	5046042
trans-1,2-Dichloroethene	ND	1.0	2/14/95	5046042
1,2-Dichloropropane	ND	1.0	2/14/95	5046042
cis-1,3-Dichloropropene	ND	1.0	2/14/95	5046042
trans-1,3-Dichloropropene	ND	1.0	2/14/95	5046042
Trichlorofluoromethane	ND	1.0	2/14/95	5046042
Methylene chloride	ND	1.0	2/14/95	5046042
1,1,2,2-Tetrachloroethane	ND	1.0	2/14/95	5046042
SURROGATE RECOVERY	%	ACCEPTABLE LIMITS		
Bromochloromethane	83	(78 - 122)		

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-042

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Tetrachloroethene	ND	1.0	2/14/95	5046042
1,1,1-Trichloroethane	ND	1.0	2/14/95	5046042
1,1,2-Trichloroethane	ND	1.0	2/14/95	5046042
Trichloroethene	ND	1.0	2/14/95	5046042
Vinyl chloride	ND	1.0	2/14/95	5046042

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	83	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B150000-040

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	2/14/95	5046040
Chlorobenzene	ND	1.0	2/14/95	5046040
1,2-Dichlorobenzene	ND	1.0	2/14/95	5046040
1,3-Dichlorobenzene	ND	1.0	2/14/95	5046040
1,4-Dichlorobenzene	ND	1.0	2/14/95	5046040
Ethylbenzene	ND	1.0	2/14/95	5046040
Toluene	ND	1.0	2/14/95	5046040
Xylenes, Total	ND	1.0	2/14/95	5046040
Methyl tert-butyl ether	ND	1.0	2/14/95	5046040

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	98	(73 - 131)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-186

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	2/15/95	5047186
Bromoform	ND	1.0	2/15/95	5047186
Bromomethane	ND	1.0	2/15/95	5047186
Carbon tetrachloride	ND	1.0	2/15/95	5047186
Chlorobenzene	ND	1.0	2/15/95	5047186
Dibromochloromethane	ND	1.0	2/15/95	5047186
Chloroethane	ND	1.0	2/15/95	5047186
2-Chloroethyl vinyl ether	ND	1.0	2/15/95	5047186
Chloroform	ND	1.0	2/15/95	5047186
Chloromethane	ND	1.0	2/15/95	5047186
1,2-Dichlorobenzene	ND	1.0	2/15/95	5047186
1,3-Dichlorobenzene	ND	1.0	2/15/95	5047186
1,4-Dichlorobenzene	ND	1.0	2/15/95	5047.
Dichlorodifluoromethane	ND	1.0	2/15/95	5047186
1,1-Dichloroethane	ND	1.0	2/15/95	5047186
1,2-Dichloroethane	ND	1.0	2/15/95	5047186
1,1-Dichloroethene	ND	1.0	2/15/95	5047186
cis-1,2-Dichloroethene	ND	1.0	2/15/95	5047186
trans-1,2-Dichloroethene	ND	1.0	2/15/95	5047186
1,2-Dichloropropane	ND	1.0	2/15/95	5047186
cis-1,3-Dichloropropene	ND	1.0	2/15/95	5047186
trans-1,3-Dichloropropene	ND	1.0	2/15/95	5047186
Trichlorofluoromethane	ND	1.0	2/15/95	5047186
Methylene chloride	ND	1.0	2/15/95	5047186
1,1,2,2-Tetrachloroethane	ND	1.0	2/15/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	82	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-186

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Tetrachloroethene	ND	1.0	2/15/95	5047186
1,1,1-Trichloroethane	ND	1.0	2/15/95	5047186
1,1,2-Trichloroethane	ND	1.0	2/15/95	5047186
Trichloroethene	ND	1.0	2/15/95	5047186
Vinyl chloride	ND	1.0	2/15/95	5047186

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	82	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-189

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Benzene	ND	1.0	2/15/95	5047189
Chlorobenzene	ND	1.0	2/15/95	5047189
1,2-Dichlorobenzene	ND	1.0	2/15/95	5047189
1,3-Dichlorobenzene	ND	1.0	2/15/95	5047189
1,4-Dichlorobenzene	ND	1.0	2/15/95	5047189
Ethylbenzene	ND	1.0	2/15/95	5047189
Toluene	ND	1.0	2/15/95	5047189
Xylenes, Total	ND	1.0	2/15/95	5047189
Methyl tert-butyl ether	ND	1.0	2/15/95	5047189

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Trifluorotoluene	97	(73 - 131)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B200000-105

GC Volatiles

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Bromodichloromethane	ND	1.0	2/17/95	5051105
Bromoform	ND	1.0	2/17/95	5051105
Bromomethane	ND	1.0	2/17/95	5051105
Carbon tetrachloride	ND	1.0	2/17/95	5051105
Chlorobenzene	ND	1.0	2/17/95	5051105
Dibromochloromethane	ND	1.0	2/17/95	5051105
Chloroethane	ND	1.0	2/17/95	5051105
2-Chloroethyl vinyl ether	ND	1.0	2/17/95	5051105
Chloroform	ND	1.0	2/17/95	5051105
Chloromethane	ND	1.0	2/17/95	5051105
1,2-Dichlorobenzene	ND	1.0	2/17/95	5051105
1,3-Dichlorobenzene	ND	1.0	2/17/95	5051105
1,4-Dichlorobenzene	ND	1.0	2/17/95	5051105
Dichlorodifluoromethane	ND	1.0	2/17/95	5051105
1,1-Dichloroethane	ND	1.0	2/17/95	5051105
1,2-Dichloroethane	ND	1.0	2/17/95	5051105
1,2-Dichloropropane	ND	1.0	2/17/95	5051105
Trichlorofluoromethane	ND	1.0	2/17/95	5051105
1,1,2,2-Tetrachloroethane	ND	1.0	2/17/95	5051105
1,1,1-Trichloroethane	ND	1.0	2/17/95	5051105
1,1,2-Trichloroethane	ND	1.0	2/17/95	5051105
Vinyl chloride	ND	1.0	2/17/95	5051105
Benzyl chloride		5.0	2/17/95	5051105
Bromobenzene		5.0	2/17/95	5051105
1-Chlorohexane		5.0	2/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	97	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B200000-105

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
2-Chlorotoluene		5.0	2/17/95	5051105
Dibromomethane		5.0	2/17/95	5051105
1,1-Dichloroethylene		5.0	2/17/95	5051105
cis-1,2-Dichloroethylene		5.0	2/17/95	5051105
trans-1,2-Dichloro-ethylene		5.0	2/17/95	5051105
Dichloromethane		5.0	2/17/95	5051105
1,1,1,2-Tetrachloroethane		5.0	2/17/95	5051105
Tetrachloroethylene		5.0	2/17/95	5051105
Trichloroethylene		5.0	2/17/95	5051105
1,2,3-Trichloropropane		5.0	2/17/95	5051105
trans-1,3-Dichloro-propylene		5.0	2/17/95	5051105

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromochloromethane	97	(78 - 122)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-071

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	2/15/95	5047071

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	111	(41 - 152)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B200000-035

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	2/17/95	5051035

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	81	(41 - 152)

NOTE:

ND (NONE DETECTED)

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B200000-044

- GC Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Ethylene dibromide	ND	0.020	2/18/95	5051044
Ethylene dibromide	ND	0.0020	2/18/95	5051044

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Bromoform	103	(41 - 152)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B090000-125

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	2/09- 2/13/95	5040125
Acenaphthylene	ND	2.0	2/09- 2/13/95	5040125
Anthracene	ND	2.0	2/09- 2/13/95	5040125
Benzo(a)anthracene	ND	0.10	2/09- 2/13/95	5040125
Benzo(b)fluoranthene	ND	0.10	2/09- 2/13/95	5040125
Benzo(k)fluoranthene	ND	0.15	2/09- 2/13/95	5040125
Benzo(g,h,i)perylene	ND	0.10	2/09- 2/13/95	5040125
Benzo(a)pyrene	ND	0.10	2/09- 2/13/95	5040125
Chrysene	ND	0.10	2/09- 2/13/95	5040125
Fluoranthene	ND	0.20	2/09- 2/13/95	5040125
Fluorene	ND	2.0	2/09- 2/13/95	5040125
Indeno(1,2,3-cd)pyrene	ND	0.10	2/09- 2/13/95	5040125
2-Methylnaphthalene	ND	2.0	2/09- 2/13/95	504(
Naphthalene	ND	2.0	2/09- 2/13/95	5040125
Phenanthrene	ND	2.0	2/09- 2/13/95	5040125
Pyrene	ND	0.20	2/09- 2/13/95	5040125
Dibenzo(a,h)anthracene	ND	0.10	2/09- 2/13/95	5040125
1-Methylnaphthalene	ND	2.0	2/09- 2/13/95	5040125

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	71	(30 - 130)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B090000-130

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	2/09- 2/14/95	5040130
Acenaphthylene	ND	2.0	2/09- 2/14/95	5040130
Anthracene	ND	2.0	2/09- 2/14/95	5040130
Benzo(a)anthracene	ND	0.10	2/09- 2/14/95	5040130
Benzo(b)fluoranthene	ND	0.10	2/09- 2/14/95	5040130
Benzo(k)fluoranthene	ND	0.15	2/09- 2/14/95	5040130
Benzo(g,h,i)perylene	ND	0.10	2/09- 2/14/95	5040130
Benzo(a)pyrene	ND	0.10	2/09- 2/14/95	5040130
Chrysene	ND	0.10	2/09- 2/14/95	5040130
Fluoranthene	ND	0.20	2/09- 2/14/95	5040130
Fluorene	ND	2.0	2/09- 2/14/95	5040130
Indeno(1,2,3-cd)pyrene	ND	0.10	2/09- 2/14/95	5040130
2-Methylnaphthalene	ND	2.0	2/09- 2/14/95	5040130
Naphthalene	ND	2.0	2/09- 2/14/95	5040130
Phenanthrene	ND	2.0	2/09- 2/14/95	5040130
Pyrene	ND	0.20	2/09- 2/14/95	5040130
Dibenzo(a,h)anthracene	ND	0.10	2/09- 2/14/95	5040130
1-Methylnaphthalene	ND	2.0	2/09- 2/14/95	5040130

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	65	(30 - 130)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B100000-093

- GC Semi-Volatiles -

PARAMETER	RESULT (ug/L)	REPORTING LIMIT	PREPARATION - ANALYSIS DATE	QC BATCH
Acenaphthene	ND	2.0	2/10- 2/16/95	5041093
Acenaphthylene	ND	2.0	2/10- 2/16/95	5041093
Anthracene	ND	2.0	2/10- 2/16/95	5041093
Benzo(a)anthracene	ND	0.10	2/10- 2/16/95	5041093
Benzo(b)fluoranthene	ND	0.10	2/10- 2/16/95	5041093
Benzo(k)fluoranthene	ND	0.15	2/10- 2/16/95	5041093
Benzo(g,h,i)perylene	ND	0.10	2/10- 2/16/95	5041093
Benzo(a)pyrene	ND	0.10	2/10- 2/16/95	5041093
Chrysene	ND	0.10	2/10- 2/16/95	5041093
Fluoranthene	ND	0.20	2/10- 2/16/95	5041093
Fluorene	ND	2.0	2/10- 2/16/95	5041093
Indeno(1,2,3-cd)pyrene	ND	0.10	2/10- 2/16/95	5041093
2-Methylnaphthalene	ND	2.0	2/10- 2/16/95	5041[illegible]
Naphthalene	ND	2.0	2/10- 2/16/95	5041093
Phenanthrene	ND	2.0	2/10- 2/16/95	5041093
Pyrene	ND	0.20	2/10- 2/16/95	5041093
Dibenzo(a,h)anthracene	ND	0.10	2/10- 2/16/95	5041093
1-Methylnaphthalene	ND	2.0	2/10- 2/16/95	5041093

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	44	(30 - 130)

NOTE:

ND (NONE DETECTED)

Quanterra Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-207

GC SEMI-VOLATILES

PARAMETER	RESULT (ug/kg)	REPORTING LIMIT	EXTRACTION-ANALYSIS DATE	QC BATCH
Acenaphthene	ND	50	2/16- 2/21/95	5047207
Acenaphthylene	ND	100	2/16- 2/21/95	5047207
Anthracene	ND	50	2/16- 2/21/95	5047207
Benzo(a)anthracene	ND	5.0	2/16- 2/21/95	5047207
Benzo(b)fluoranthene	ND	5.0	2/16- 2/21/95	5047207
Benzo(k)fluoranthene	ND	5.0	2/16- 2/21/95	5047207
Benzo(g,h,i)perylene	ND	5.0	2/16- 2/21/95	5047207
Benzo(a)pyrene	ND	5.0	2/16- 2/21/95	5047207
Chrysene	ND	5.0	2/16- 2/21/95	5047207
Fluoranthene	ND	5.0	2/16- 2/21/95	5047207
Fluorene	ND	50	2/16- 2/21/95	5047207
Indeno(1,2,3-cd)pyrene	ND	5.0	2/16- 2/21/95	5047207
2-Methylnaphthalene	ND	50	2/16- 2/21/95	5047207
Naphthalene	ND	50	2/16- 2/21/95	5047207
Phenanthrene	ND	50	2/16- 2/21/95	5047207
Pyrene	ND	5.0	2/16- 2/21/95	5047207
Dibenzo(a,h)anthracene	ND	5.0	2/16- 2/21/95	5047207
1-Methylnaphthalene	ND	50	2/16- 2/21/95	5047207

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS
Carbazole	41	(30 - 130)

NOTE:

ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B060023

- METALS -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE
		BATCH:5040175			
Lead	ND	5.0	ug/L	MCAWW 200.7	2/10- 2/13/95

NOTE:

ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B060037

METALS

PARAMETER	RESULT	REPORTING LIMIT	UNIT	METHOD	PREPARATION - ANALYSIS DATE
		BATCH:5038087			
Lead	ND	5.0	ug/L	MCAWW 200.7	2/08/95
		BATCH:5046014			
Lead	ND	0.25	mg/kg	SW846 6010A	2/08- 2/09/95

NOTE:

ND NOT DETECTED AT THE STATED REPORTING LIMIT

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B090000-163

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons,	ND	5.0	mg/kg	2/09- 2/10/95	5040163
Petroleum Hydrocarbons	ND	1.0	mg/L	2/16- 2/17/95	5048023

NOTE:

ND (NONE DETECTED)

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B160000-162

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons	ND	1.0	mg/L	2/15- 2/16/95	5047162

NOTE:

ND (NONE DETECTED)

Quanterra
Environmental Services

INTRA-LAB BLANK REPORT

LAB #: B5B170000-023

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - - -

PARAMETER	RESULT	REPORTING LIMIT	UNIT	PREPARATION - ANALYSIS DATE	QC BATCH
Petroleum Hydrocarbons	ND	1.0	mg/L	2/16- 2/17/95	5048023

NOTE:

ND (NONE DETECTED)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5045027
LAB #: B5B140000-027 C

PREPARATION DATE: 2/10/95
DATE ANALYZED: 2/10/95

- GC Volatiles -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Benzene	81	(75-125)
Toluene	88	(72-129)
Chlorobenzene	80	(72-126)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5044051
LAB #: B5B130000-051 C

PREPARATION DATE: 2/12/95
DATE ANALYZED: 2/12/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Benzene	94	(81-122)
Toluene	96	(81-123)
Chlorobenzene	98	(75-121)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5045074
LAB #: B5B140000-074 C

PREPARATION DATE: 2/12/95
DATE ANALYZED: 2/12/95

- GC Volatiles -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
1,1-Dichloroethene	115	(62-128)
Trichloroethene	117	(70-133)
Chlorobenzene	117	(75-123)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5045073
LAB #: B5B140000-073 C

PREPARATION DATE: 2/12/95
DATE ANALYZED: 2/12/95

- GC Volatiles -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Benzene	108	(81-122)
Toluene	106	(81-123)
Chlorobenzene	102	(75-121)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5046028
LAB #: B5B150000-028 C

PREPARATION DATE: 2/13/95
DATE ANALYZED: 2/13/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Benzene	107	(81-122)
Toluene	106	(81-123)
Chlorobenzene	102	(75-121)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5046031
LAB #: B5B150000-031 C

PREPARATION DATE: 2/13/95
DATE ANALYZED: 2/13/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
1,1-Dichloroethene	109	(62-128)
Trichloroethene	117	(70-133)
Chlorobenzene	112	(75-123)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5047186
LAB #: B5B160000-186 C

PREPARATION DATE: 2/15/95
DATE ANALYZED: 2/15/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
1,1-Dichloroethene	105	(62-128)
Trichloroethene	121	(70-133)
Chlorobenzene	121	(75-123)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5047189
LAB #: B5B160000-189 C

PREPARATION DATE: 2/15/95
DATE ANALYZED: 2/15/95

- GC Volatiles -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Benzene	111	(81-122)
Toluene	109	(81-123)
Chlorobenzene	106	(75-121)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5051035
LAB #: B5B200000-035 C

PREPARATION DATE: 2/17/95
DATE ANALYZED: 2/17/95

- **GC Volatiles** -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Ethylene dibromide	124	(62-129)
1,2-Dibromo-3-chloro-propane	115	(80-120)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5047071
LAB #: B5B160000-071 C

PREPARATION DATE: 2/15/95
DATE ANALYZED: 2/15/95

- GC Volatiles -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Ethylene dibromide	113	(62-129)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5051044
LAB #: B5B200000-044 C

PREPARATION DATE: 2/18/95
DATE ANALYZED: 2/18/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Ethylene dibromide	125	(62-129)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5040125
LAB #: B5B090000-125 C

PREPARATION DATE: 2/09/95
DATE ANALYZED: 2/13/95

GC Semi-Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Naphthalene	80	(10-122)
1-Methylnaphthalene	78	(30-130)
Acenaphthene	86	(10-124)
Fluorene	77	(10-142)
Pyrene	86	(10-140)
Chrysene	92	(10-199)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5041093
LAB #: B5B100000-093 C

PREPARATION DATE: 2/10/95
DATE ANALYZED: 2/16/95

GC Semi-Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Naphthalene	83	(10-122)
1-Methylnaphthalene	82	(30-130)
Acenaphthene	90	(10-124)
Fluorene	84	(10-142)
Pyrene	67	(10-140)
Chrysene	97	(10-199)

Quanterra
Environmental Services

CHECK SAMPLE REPORT

QC BATCH: 5047207
LAB #: B5B160000-207 C

PREPARATION DATE: 2/16/95
DATE ANALYZED: 2/21/95

- GC Semi-Volatiles - - - - - - - - - - - - - - - - - - -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS
Naphthalene	35	(10-122)
1-Methylnaphthalene	62	(30-130)
Acenaphthene	57	(10-124)
Fluorene	26	(10-142)
Pyrene	50	(10-140)
Chrysene	97	(10-199)

Quanterra
Environmental Services

LCS - DCS REPORT

QC BATCH: 5046042
LAB #: B5B150000-042 C

WO #:
PREPARATION DATE: 2/14/95
DATE ANALYZED: 2/14/95

GC Volatiles

COMPOUND	LCS PERCENT RECOVERY	DCS PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMITS
1,1-Dichloroethene	114	108	(62-128)	5.8	42
Trichloroethene	124	116	(70-133)	6.6	30
Chlorobenzene	121	114	(75-123)	6.5	23

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

LCS - DCS REPORT

QC BATCH: 5046040
LAB #: B5B150000-040 C

WO #:
PREPARATION DATE: 2/14/95
DATE ANALYZED: 2/14/95

GC Volatiles

COMPOUND	LCS PERCENT RECOVERY	DCS PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMITS
Benzene	113	110	(81-122)	2.1	21
Toluene	111	110	(81-123)	0.56	19
Chlorobenzene	106	106	(75-121)	0.82	23

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

LCS - DCS REPORT

QC BATCH: 5051105
LAB #: B5B200000-105 C

WO #:
PREPARATION DATE: 2/17/95
DATE ANALYZED: 2/17/95

GC Volatiles

COMPOUND	LCS PERCENT RECOVERY	DCS PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMITS
1,1-Dichloroethene	80	94	(62-128)	15	42
Trichloroethene	70	73	(70-133)	5.2	30
Chlorobenzene	85	98	(75-123)	15	23

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

CHECK SAMPLE REPORT

LAB #: B5B060023

- METALS -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS	PREPARATION - ANALYSIS DATE
	BATCH:5040175		
Lead	101	(80-120)	2/10- 2/13/95

Quanterra
Environmental Services

CHECK SAMPLE REPORT

LAB #: B5B060037

- METALS -

COMPOUND	SPIKE PERCENT RECOVERY	Q/C LIMITS	PREPARATION - ANALYSIS DATE
	BATCH:5038087		
Lead	104	(80-120)	2/08/95
	BATCH:5046014		
Lead	96	(80-120)	2/08- 2/09/95

Quanterra
Environmental Services

CHECK SAMPLE REPORT

LAB #: B5B030101

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - -

COMPOUND	SPIKE PERCENT RECOVERY	LIMITS	PREPARATION - ANALYSIS DATE	Q/C BATCH
Petroleum Hydrocarbons Total Recoverable	98	(73-122)	2/15- 2/16/95	5047162

Quanterra
Environmental Services

CHECK SAMPLE REPORT

LAB #: B5B060023

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - -

COMPOUND	SPIKE PERCENT RECOVERY	LIMITS	PREPARATION - ANALYSIS DATE	Q/C BATCH
Petroleum Hydrocarbons Total Recoverable	99	(73-122)	2/16- 2/17/95	5048023

Quanterra
Environmental Services

CHECK SAMPLE REPORT

LAB #: B5B060037

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - -

COMPOUND	SPIKE PERCENT RECOVERY	LIMITS	PREPARATION - ANALYSIS DATE	Q/C BATCH
Petroleum Hydrocarbons, Total Recoverable	89	(65-114)	2/09- 2/10/95	5040163
Petroleum Hydrocarbons Total Recoverable	99	(73-122)	2/16- 2/17/95	5048023

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5045027
LAB #: B5B060037-009 S
MATRIX: SOLID

WO #: A2M7X
PREPARATION DATE: 2/10/95
DATE ANALYZED: 2/10/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Benzene	94	100	(71-114)	6.0	(0-21)
Toluene	98	100	(84-128)	1.7	(0-12)
Chlorobenzene	88	89	(74-114)	1.6	(0-19)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5045074
LAB #: B5B030101-009 S
MATRIX: WATER

WO #: A2LG7
PREPARATION DATE: 2/12/95
DATE ANALYZED: 2/12/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
1,1-Dichloroethene	105	101	(43-131)	3.3	(0-28)
Trichloroethene	116	116	(75-123)	0.10	(0-43)
Chlorobenzene	110	106	(58-133)	3.8	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5045073
LAB #: B5B030101-009 S
MATRIX: WATER

WO #: A2LG7
PREPARATION DATE: 2/12/95
DATE ANALYZED: 2/12/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Benzene	110	105	(70-117)	4.9	(0-15)
Toluene	106	101	(70-117)	5.6	(0-16)
Chlorobenzene	102	97	(58-133)	5.3	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5046042
LAB #: B5B060023-001 S
MATRIX: WATER

WO #: A2M0F
PREPARATION DATE: 2/14/95
DATE ANALYZED: 2/14/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
1,1-Dichloroethene	97	111	(43-131)	14	(0-28)
Trichloroethene	109	124	(75-123)	12	(0-43)
Chlorobenzene	108	123	(58-133)	14	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5046040
LAB #: B5B060023-001 S
MATRIX: WATER

WO #: A2M0F
PREPARATION DATE: 2/14/95
DATE ANALYZED: 2/14/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Benzene	107	115	(70-117)	7.3	(0-15)
Toluene	106	114	(70-117)	7.8	(0-16)
Chlorobenzene	101	110	(58-133)	8.1	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5047186
LAB #: B5B060037-001 S
MATRIX: WATER

WO #: A2M6P
PREPARATION DATE: 2/16/95
DATE ANALYZED: 2/16/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
1,1-Dichloroethene	161	120	(43-131)	29	(0-28)
Trichloroethene	174	130	(75-123)	29	(0-43)
Chlorobenzene	186	126	(58-133)	38	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5047189
LAB #: B5B060037-001 S
MATRIX: WATER

WO #: A2M6P
PREPARATION DATE: 2/16/95
DATE ANALYZED: 2/16/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Benzene	102	96	(70-117)	5.8	(0-15)
Toluene	100	93	(70-117)	7.8	(0-16)
Chlorobenzene	97	89	(58-133)	8.7	(0-24)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5047071
LAB #: B5B030101-009 S
MATRIX: WATER

WO #: A2LG7
PREPARATION DATE: 2/15/95
DATE ANALYZED: 2/15/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Ethylene dibromide	99	98	(81-135)	0.38	(0-25)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5051044
LAB #: B5B060037-009 S
MATRIX: SOLID

WO #: A2M7X
PREPARATION DATE: 2/18/95
DATE ANALYZED: 2/18/95

GC Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Ethylene dibromide	111	97	(81-135)	13	(0-25)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5040125
LAB #: B5B030101-009 S
MATRIX: WATER

WO #: A2LG7
PREPARATION DATE: 2/09/95
DATE ANALYZED: 2/13/95

GC Semi-Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Naphthalene	28	33	(10-122)	14	(0-50)
1-Methylnaphthalene	35	36	(30-130)	3.5	(0-30)
Acenaphthene	29	28	(10-124)	3.8	(0-50)
Fluorene	31	31	(10-142)	0.65	(0-50)
Pyrene	106	95	(10-140)	11	(0-50)
Chrysene	86	82	(10-199)	5.0	(0-50)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5041093
LAB #: B5B060037-006 S
MATRIX: WATER

WO #: A2M7K
PREPARATION DATE: 2/10/95
DATE ANALYZED: 2/16/95

GC Semi-Volatiles

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Naphthalene	38	56	(10-122)	36	(0-50)
1-Methylnaphthalene	44	60	(30-130)	31	(0-30)
Acenaphthene	49	51	(10-124)	4.6	(0-50)
Fluorene	48	39	(10-142)	20	(0-50)
Pyrene	78	24	(10-140)	107	(0-50)
Chrysene	94	18	(10-199)	134	(0-50)

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

QC BATCH: 5047207
LAB #: B5B060037-009 S
MATRIX: SOLID

WO #: A2M7X
PREPARATION DATE: 2/16/95
DATE ANALYZED: 2/22/95

GC Semi-Volatiles

COMPOUND		SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMIT
Naphthalene	DIL			(10-122)	0	(0-50)
1-Methylnaphthalene	DIL			(30-130)	0	(0-30)
Acenaphthene	DIL			(10-124)	0	(0-50)
Fluorene	DIL			(10-142)	0	(0-50)
Pyrene	DIL			(10-140)	0	(0-50)
Chrysene	DIL			(10-199)	0	(0-50)

NOTE:
DIL Diluted out

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra
Environmental Services

MATRIX SPIKE REPORT

LAB #: B5B060023-010

- METALS -

COMPOUND	SPIKE PERCENT RECOVERY	SPIKE/DUP PERCENT RECOVERY	Q/C LIMITS	RPD	RPD LIMITS	PREPARATION - ANALYSIS DATE
	BATCH:5040175 MATRIX: WATER					
Lead	101	100	(80-120)	1.7	(0-20)	2/10- 2/13/95

NOTE:

Calculations are performed before rounding to avoid round-off errors in calculated results

Quanterra Environmental Services

MATRIX SPIKE REPORT

Lot #: B5B030101

- - - - - - - - - - - - - - - - INORGANIC ANALYTICAL REPORT - - - - - - - - - - - - - - - -

COMPOUND	RECOVERY PERCENT MS	MSD	Q/C LIMITS	RPD	RPD LIMITS	PREPARATION - ANALYSIS DATE	Q/C BATCH
Lab# B5B030101- 9 Matrix: WATER							
Petroleum Hydrocarbons Total Recoverable	99	97	(75-125)	1.7	24	2/15- 2/16/95	5047162

Quanterra Environmental Services, Tampa
Sample Shipper Evaluation and Receipt Form

Client: ABB-ES Project Name/Number: CT011

Samples Received by: Carol McNulty Date Received: 2-3-95
Signature

Sample Evaluation Form by: Vince Ferraro
Signature

Type of shipping containers samples received in:

Quanterra cooler: ✓ Client cooler: _____

Quanterra shipper _____ Box _____ Other _____

Any "NO" responses or discrepancies should be explained in the "Comments" section.

		Yes	No
1)	Were custody seals on shipping container(s) intact?	✓	
2)	Were custody papers properly included with samples?	✓	
3)	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4)	Did all bottles arrive in good condition (unbroken)?	✓	
5)	Were all bottle labels complete (sample no., date, signed, analysis preservatives)?	✓	
6)	Were correct bottles used for the tests indicated?	✓	
7)	Were proper sample preservativion techniques indicated?	✓	
8)	Were samples received within adequate holding times?	✓	
9)	Were all VOA bottles checked for the presence of air bubbles? (If air bubbles were found, indicate in comment section)	✓	
10)	Were samples in direct contact with wet ice? NOTE TEMPERATURE BELOW	✓	
11)	Were samples accepted into the laboratory? (If "No", see comments)	✓	

Cooler # _____ Temp 5 C / 6 Cooler # _____ Temp. 6 / 5 C

Comments: _____

308/bij/52/forms/shipper.xls

Quanterra Environmental Services, Tampa

Sample Shipper Evaluation and Receipt Form

07520.31

Client: ABB

Project Name/Number: CSS PANAMA CITY SITE 2

Samples Received by: [signature]
Signature

Date Received: 2/4/95

Sample Evaluation Form by: [signature]
Signature

Type of shipping containers samples received in:

Quanterra cooler: X

Client cooler: _____

Quanterra shipper _____

Box _____

Other _____

Any "NO" responses or discrepancies should be explained in the "Comments" section.

		Yes	No
1)	Were custody seals on shipping container(s) intact?	X	
2)	Were custody papers properly included with samples?	X	
3)	Were custody papers properly filled out (ink, signed, match labels)?		X
4)	Did all bottles arrive in good condition (unbroken)?	X	
5)	Were all bottle labels complete (sample no., date, signed, analysis preservatives)?	X	
6)	Were correct bottles used for the tests indicated?	X	
7)	Were proper sample preservativion techniques indicated?	X	
8)	Were samples received within adequate holding times?	X	
9)	Were all VOA bottles checked for the presence of air bubbles? (If air bubbles were found, indicate in comment section)	X	
10)	Were samples in direct contact with wet ice? NOTE TEMPERATURE BELOW	X	
11)	Were samples accepted into the laboratory? (If "No", see comments)	X	

Cooler # _____ Temp 2 C

Cooler # _____ Temp. 1 C

Comments: RCVD 500 ML PC4-278-MW6 FOR LEAD ANAL. and 500 ML PC4-278-MW9D FOR LEAD ANAL NOT ON COC ALSO 500 ML PC4-278-MW9 NOT ON COC

308/bij/52/forms/shipper.xls

Quanterra Environmental Services, Tampa
Sample Shipper Evaluation and Receipt Form

Client: ABB Project Name/Number: CSS PANAMA CITY

Samples Received by: [signature] Date Received: 2/6/95
Signature

Sample Evaluation Form by: [signature]
Signature

Type of shipping containers samples received in:

Quanterra cooler: X Client cooler: ____

Quanterra shipper ____ Box ____ Other ____

Any "NO" responses or discrepancies should be explained in the "Comments" section.

		Yes	No
1)	Were custody seals on shipping container(s) intact?	X	
2)	Were custody papers properly included with samples?	X	
3)	Were custody papers properly filled out (ink, signed, match labels)?	X assume	
4)	Did all bottles arrive in good condition (unbroken)?	X	
5)	Were all bottle labels complete (sample no., date, signed, analysis preservatives)?		X
6)	Were correct bottles used for the tests indicated?	X	
7)	Were proper sample preservativion techniques indicated?	X	
8)	Were samples received within adequate holding times?	X	
9)	Were all VOA bottles checked for the presence of air bubbles? (If air bubbles were found, indicate in comment section)	X	
10)	Were samples in direct contact with wet ice? NOTE TEMPERATURE BELOW	X	
11)	Were samples accepted into the laboratory? (If "No", see comments)	X	

Cooler # ____ Temp 1 C Cooler # ____ Temp. 1 C

Comments: 2 X LT AMBER FOR SW-1C NOT LABELED, CORRECTLY, MATCHED BY SAMPLE TIME

308/bj/52/forms/shipper.xls

Interlaboratory Chain Custody

BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

CLIENT CODE _____

QUOTE / SAR NUMBER _____

Chain-of Custody Record

76758

PROJ. NO.	PROJECT NAME/LOCATION
07520.31	CSS PANAMA CITY – FACILITY 278

SAMPLERS: (Signature) Andrew Rucinski / Joseph Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	TRPH (418.1) (HCl)	601/602 (HCl)	EDB	~~Lead (239.2) (HNO3)~~	~~AER~~ *	REMARKS
MW-1	2/2/95	1045		X	PCY-278-MW1	9 ~~10~~ AER	2	1	3	3	1		
MW-3	2/2/95	1035		X	PCY-278-MW3	9 ~~10~~	2	1	3	3	1		
MW-2	2/2/95	1130		X	PCY-278-MW2	9	2	1	3	3			
QA/QC	2/2/95	1125		X	RS-1	9	2	1	3	3			Rinsate
QA/QC	2/2/95	—		—	TB-1	3			3				trip blank
MW-12	2/2/95	1230		X	PCY-278-MW12	9	2	1	3	3			
MW-11	2/2/95	1220		X	PCY-278-MW 11	9	2	1	3	3			
MW-7	2/2/95	1415		X	PCY-278-MW7	9	2	1	3	3			
MW-15	2/2/95	1340		X	PCY-278-MW 15	9	2	1	3	3			
MW-8	2/2/95	1440		X	PCY-278-MW 8	9	2	1	3	3			
MW-9	2/2/95	1505		X	PCY-278-MW9	9	2	1	3	3			
MW-10	2/2/95	1530		X	PCY-278-MW10	9	2	1	3	3			
" "	"	"		X	" " "	18	4	2	6	6			MS/MSD from well MW-10
MW-6	2/2/95	1700		X	PCY-278-MW6	9	2	1	3	3			
MW-6	2/2/95	1700		X	PCY-278-MW6D	9	2	1	3	3			duplicate sample

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
J. Fugitt	2-2-95 1800	Carol McNulty 2/3/95			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	* Lead Samples to be collected later

Distribution Original Accompanies Shipment. Copy returned with Report.

FORM 004

Interlaboratory Chain of Custody

BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

CLIENT CODE _____
QUOTE / SAR NUMBER _____
Chain-of Custody Record

76759

PROJ. NO.: 07520.31
PROJECT NAME/LOCATION: CSS Panama City - Site 278
SAMPLERS: (Signature) Andrew Rucinski / Joseph F. Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	TRPH	601/602	EDB	LEAD	TS	REMARKS
SW-1A	2/4/95	0845		X	SW-1A	9	2	1	2	3	1		
SW-1B	2/4/95	0945		X	SW-1B	9	2	1	2	3	1		
SW-1C	2/4/95	1015		X	SW-1C	10	2	1	3	3	1		
SW-2A	2/4/95	1040		X	SW-2A	10	2	1	3	3	1		
SW-2B	2/4/95	1115		X	SW-2B	10	2	1	3	3	1		
SW-2C	2/4/95	1140		X	SW-2C	10	2	1	3	3	1		
RS-3	2/4/95	1200		X	RS-3	10	2	1	3	3	1		Rinsate
TB-3	2/4/95	—		X	TB-3	1			1				Trip Blank*
SD-1	2/4/95	1400		X	SD-1	2							volatiles / semi-volatiles
SD-2	2/4/95	1420		X	SD-2	2	"		"		"		in 4oz jar, the rest
SD-2	2/4/95	1420		X	SD-2D	2	"		"		"		of parameters in one
													16oz jar. TS for
													sed. samples

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2/4/95 1600	Bob Cook 2/6/95			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
					* Trip Blank made from field DI H_2O source

Distribution Original Accompanies Shipment. Copy returned with Report.

FRM 004

Interla' ratory Chain . Custody

BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

2/2

76760

:LIENT CODE _____

)UOTE / SAR NUMBER _____

:hain-of Custody Record

PROJ. NO.	PROJECT NAME/LOCATION
07520.31	CSS PANAMA CITY- SITE 278

SAMPLERS: (Signature) Andrew Ruiamotu / Joseph T. Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CON-TAINERS	PAH (610)	TRPH	601/602	EDB	LEAD		REMARKS
RS-2	2/3/95	1305		X	RS-2	1					1		rinseate
MW-8	2/3/95	1320		X	PCY-278-MW8	1					1		
MW-7	2/3/95	1345		X	PCY-278-MW7	1					1		
TB-2	2/3/95	—		X	TB-2	1			1				* Trip blank made in field

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2-3-95 1800	Gil Cole 2/4/95			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				* Used DI source for trip blank	

Distribution Original Accompanies Shipment. Copy returned with Report.

)RM 004

Interlaboratory Chain of Custody

BRECKENRIDGE PKWY., STE. H
TAMPA, FL 33610
PHONE (813) 621-0784 FAX (813) 623-6021

Quanterra Environmental Services

1 of 2

CLIENT CODE _____
QUOTE / SAR NUMBER _____
Chain-of Custody Record

76761

PROJ. NO. 07520.31
PROJECT NAME/LOCATION: CSS PANAMA CITY - Site 278
SAMPLERS: (Signature) Andrew Rucinski / Joseph Fugitt

STA. NO.	DATE	TIME	COMP.	GRAB.	STATION LOCATION	NO. OF CONTAINERS	PAH (610)	601/602	TRPH	EDB	LEAD	REMARKS
MW13D	2/2/95	1830		X	PCY-278-MW13D	9	2	3	1	3		
MW-14	2/3/95	0815		X	PCY-278-MW14	9	2	3	1	3		
MW-4	2/3/95	0915		X	PCY-278-MW4	9	2	3	1	3		
MW-4	2/3/95	0915		X	PCY-278-MW4D	9	2	3	1	3		Duplicate sample
MW-1	2/3/95	1025		X	PCY-278-MW1	1					1	
MW-2	2/3/95	1035		X	PCY-278-MW2	1					1	
MW-3	2/3/95	1050		X	PCY-278-MW3	1					1	
MW-12	2/3/95	1105		X	PCY-278-MW12	1					1	
MW-12	2/3/95	1105		X	PCY-278-MW12D	1					1	duplicate sample
MW-14	2/3/95	1130		X	PCY-278-MW14	3					3	Triple volume for MS/MSD
MW-4	2/3/95	1205		X	PCY-278-MW4	1					1	
MW-13D	2/3/95	1210		X	PCY-278-MW13D	1					1	
MW-11	2/3/95	1225		X	PCY-278-MW11	1					1	
MW-15	2/3/95	1230		X	PCY-278-MW15	1					1	
MW-10	2/3/95	1300		X	PCY-278-MW10	1					1	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Joseph Fugitt	2/3/95 1800	[illegible] 2/4/95			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	

Distribution Original Accompanies Shipment. Copy returned with Report.

FORM 004

APPENDIX E

FREE PRODUCT RECOVERY DATA

TABLE OF CONTENTS FOR APPENDIX E

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Tables	Description	Page No.
E-1	Free Product Monitoring Data for Well MW-278-4	E-1
E-2	Monthly Totals for Product Recovery from Well MW-5	E-2
E-3	Free Product Monitoring Data for Well MW-6	E-3
E-4	Free Product Monitoring Data for Well MW-7	E-4

Table E-1
Free Product Monitoring Data for Well MW-278-4

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Date	Odor	Sheen
02/23/93	Yes	Yes
02/24/93	Yes	Yes
02/25/93	Yes	Yes
02/26/93	Yes	Yes
03/01/93	Yes	Yes
03/02/93	Yes	Yes
03/03/93	Yes	Yes
03/04/93	Yes	Yes
03/05/93	Yes	Yes
03/08/93	Yes	Yes
03/26/93	Yes	Yes
04/02/93	Yes	Yes
04/09/93	Yes	Yes
04/16/93	Yes	Yes

Note: Well monitoring is performed bimonthly. Data are listed only when product and/or product sheen were detected in the well.

Table E-2
Monthly Totals for Product Recovery from Well MW-5

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

	Volume of Free Product Recovered	
Month/Year	Cubic centimeters	Gallons
12/94	1,880	0.498
11/94	3,765	0.995
10/94	815	0.215
09/94	0	—
08/94	285	0.075
07/94	1,240	0.328
06/94	1,715	0.453
05/94	2,490	0.658
04/94	2,310	0.610
03/94	3,455	0.913
02/94	7,895	2.086
01/94	5,775	1.526
12/93	8,030	2.122
11/93	3,370	0.890
10/93	445	0.118
09/93	1,405	0.371
08/93	20	0.005
07/93	2,090	0.552
06/93	Volumes not reported	
05/93	855	0.226
04/93	4,445	1.174
03/93	360	0.095
02/93	0	—

Note: — = no data.

Table E-3
Free Product Monitoring Data for Well MW-6

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Date	Odor	Thickness (feet)	Product Bailed and Recovered (cc)
07/29/94	Yes	0.010	5
12/28/94	Yes	0.005	<5
05/19/94	Yes	0.083	20
05/20/94	Yes	0.146	80
06/29/94	Yes	0.042	10
06/30/94	Yes	0.104	50
05/06/94	Yes	0.542	260
05/19/94	Yes	0.083	20
05/20/94	Yes	0.146	80
04/08/94	Yes	0.323	150
11/22/93	Yes	0.104	35
12/23/93	Yes	0.010	6
12/28/93	Yes	0.042	15
11/22/93	Yes	0.104	35
02/25/93	Yes	0.021	NR
03/01/93	Yes	0.021	NR
03/02/93	Yes	0.021	NR

Notes: Well monitoring is performed daily and has been conducted since February 1993. Only the dates when free product was detected are listed.

cc = cubic centimeter.
NR = not reported.

Table E-4
Free Product Monitoring Data for Well MW-7

Contamination Assessment Report Addendum
Site 278, Coastal Systems Station
Panama City, Florida

Date	Odor	Thickness (feet)	Product Bailed and Recovered (cc)
02/14/94	Yes	0.042	10
11/08/93	Yes	0.010	20
03/26/93	Yes	0.010	10

Notes: Well monitoring is performed weekly and has been conducted since February 1993. Only the dates when free product was detected are listed.

cc = cubic centimeter.