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M60050.002506
MCAS EL TORO
SSIC #5090.3

Temporary Accumulation Area 297
Marine Corps Air Station
El Toro, California

SWDIV Contract No. N68711-93-D-1459 – Delivery Order No. 0070 – Revision 1
OHM Project No. 18609 – Document Control No. SW9597 – March 21, 2001

Closure Report

Appendix A - JEG RFA Background Information; Appendix B - BNI VSI Evaluation Report; Appendix C - Site Photograph; Appendix D - Site Assessment Log; Appendix E - Land Survey Data; Appendix F - Laboratory Analytical Reports; Appendix G - LDC Data Validation Report; and Appendix H - Tentative Reuse Parcel Location of TAA 297

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San Diego, California 92132-5190

Date: 22-Mar-01

D.O.: 70

Location: MCAS EL TORO

FROM: James J. Franklin, Program Manager

Edwin G. Bond, Contracts Manager

DESCRIPTION OF ENCLOSURE: **Closure Report, Temporary Accumulation Area 297, dated March 21, 2001.**

TYPE: Contract Deliverable ( ) ($) D. O. Deliverable (X) (Tech) Request for Change ( ) Other ( )

VERSION: FINAL **REVISION** 1

ADMIN RECORD: Yes ( ) No (X) Category ( ) Confidential ( )

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1220 Pacific Highway
San Diego, California 92132-5190

Date: 15-Mar-01

D.O.: 70

Location: MCAS EL TORO

FROM: James J. Franklin, Program Manager

Edwin G. Bond, Contracts Manager

DESCRIPTION OF ENCLOSURE: **Closure Report, Temporary Accumulation Area 297, dated March 13, 2001.**

TYPE: Contract Deliverable ( ) ($) D. O. Deliverable (**X**) (Tech) Request for Change ( ) Other ( )

VERSION: FINAL **REVISION** 0

ADMIN RECORD: Yes ( ) No (**X**) Category ( ) Confidential ( )

SCHEDULED DELIVERY DATE: 15-Mar-01 **ACTUAL DELIVERY DATE:** 15-Mar-01

NUMBER OF COPIES SUBMITTED TO THE NAVY: 1/O, 3/C, 2/E
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*Note: As per Lynn Hornecker, Rev. 0 is a preliminary draft, and will not be submitted to the Administrative Record. 9/14/01 (RM)

Date/Time Received: /

Doc Class: D-03

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Abbreviations and Acronyms

BNI	Bechtel National Inc.
BRAC	Base Realignment and Closure
CA LUFT	California Leaking Underground Fuel Tank
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CRDL	contract required detection limit
DO	delivery order
DSA	drum storage area
DTSC	Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
HI	hazard index
HSP	Health and Safety Plan
JEG	Jacobs Engineering Group Inc.
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LDC	Laboratory Data Consultants
m/z	mass-to-change
MCAS	Marine Corps Air Station
MDL	method detection limit
mg/kg	milligram per kilogram
MS	matrix spike
MSD	matrix spike duplicate
NFA	no further action
OHM	OHM Remediation Services Corp.
PR	preliminary review
PRG	Preliminary Remediation Goal
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RDL	reporting detection limit
RFA	RCRA Facility Assessment
RI	Remedial Investigation
RPD	relative percent difference
RRF	relative response factor
SIM	selected ion monitoring
SVOC	semi-volatile organic compound
SWDIV	Southwest Division Naval Facilities Engineering Command
SWMU	Solid Waste Management Unit
TAA	temporary accumulation area
TCL	target compound list
TPH	total petroleum hydrocarbons
VOC	volatile organic compound

Abbreviations and Acronyms (Cont.)

VSI	Visual Site Inspection
%D	percent difference
%R	percent recovery
µg/kg	micrograms per kilogram

Section 1
Introduction

This Closure Report summarizes the confirmation soil sampling activities performed at the Temporary Accumulation Area (TAA) 297 Site at the Marine Corps Air Station (MCAS) El Toro (hereinafter referred to as the "Station"), California. OHM Remediation Services Corp (OHM) performed the work for the Southwest Division Naval Facilities Engineering Command (SWDIV) under Remedial Action Contract No. N68711-93-D-1459, Delivery Order (DO) 0070.

Soil Sampling activities were conducted in accordance with the Navy, Station, and Department of Toxic Substance Control (DTSC)-approved *Final Supplemental Work Plan, Closure of Various Temporary Accumulation Areas and RCRA Facility Assessment Sites, Marine Corps Air Station El Toro, California* (OHM, 1997a).

1.1 Site Location and Background

The Station is located approximately 45 miles southeast of the city of Los Angeles in Orange County, California, 1 mile north of the intersection of Interstate 5 (Santa Ana) and Interstate 405 (San Diego) freeways. The Station covers approximately 4,738 acres. Approximately 800 acres of the Station property are currently designated for agricultural outlease. Agricultural outleased lands are located at the corners of the Station, and are used for plant nursery and crop production (MCAS El Toro, 1998). The location of the Station is shown in Figure 1-1.

TAA 297, a former temporary, drum storage area (DSA) is located in the southern quadrant of the Station. The TAA 297 is located southwest of Building 297, a former maintenance hangar (Figure 1-2). TAA 297 was investigated as Solid Waste Management Unit (SWMU) 73 during the Resource Conservation Recovery Act (RCRA) Facility Assessment.

The depth to groundwater in the vicinity of the TAA 297 site is based on available water level data collected from the nearest groundwater monitoring well 18_BGMW30A. The location of this well is shown in Figure 1-2. Based on this data, the depth to the groundwater at TAA 297 is approximately 106 feet below ground surface (OHM, 1997b).

1.2 Project Objectives

The objectives of this project were the following:

- Verify that all stored hazardous wastes, residues, and constituents that may pose a potential health risk have been removed from TAA 297 in accordance with the MCAS El Toro Detailed Plan (OHM, 1995).
- Perform verification soil sampling and analysis to obtain "closure status" of TAA 297.

Based on a classification in the *Final Supplemental Work Plan, TAA 297* was considered to be a Type 1 facility (i.e., bermed TAA with a containment sump). Project operations at Type 1 facilities were defined as decontamination, if required of the interior portion of the structure and soil sampling (OHM, 1997a).

1.3 Regulatory Background and Cleanup Goals

The closure activities at TAA 297 were completed in accordance with the appropriate federal and state requirements. TAA 297 is characterized as "*hazardous waste accumulation areas*" according to the Code of Federal Regulations (CFR), Title 40, Part 262.34, and the California Code of Regulations (CCR), Title 22, Section 66262.34. Because hazardous wastes have been stored at the site, closure of TAA 297 is also subject to federal and state regulations for closure of less than 90 days hazardous waste management facilities (CFR 40, part 264, Subpart G; and CCR 22, Section 66264, Article 7, respectively).

The cleanup goals established for TAA 297 are based on the following:

Soil

- United States Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goals (PRGs) dated November 1, 2000 for residential land use for organic contaminants
- Background concentrations for metals contaminants (Bechtel National Inc. [BNI], 1996b)
- 5,000-milligrams per kilogram (mg/kg) concentration limit for total petroleum hydrocarbons (TPH)-purgeable
- 10,000-mg/kg concentration limit for TPH-extractable.

1.4 Project Scope of Work

The scope of work at TAA 297 consisted of the following tasks:

- Collection and laboratory analysis of confirmation samples, including soil samples obtained from adjacent to the TAA structure.
- Disposal of solid wastes generated during field sampling activities.
- Preparation of a closure report to describe and document the work performed.

Section 2
Previous Investigations and Site Background

The following section summarizes results from previous investigations and background history at the TAA 297 site. Background information regarding TAA 297 was obtained from the following documents:

1. *Final RCRA Facility Assessment Report, Marine Corps Air Station El Toro, California (Jacobs Engineering Group Inc., [JEG] 1993)*

2. *Final Addendum RCRA Facility Assessment Report, Marine Corps Air Station El Toro, California (BNI, 1996a)*

3. *Final Base Realignment and Closure Cleanup Plan, March 1999, Marine Corps Air Station El Toro, California (MCAS El Toro, 1999)*

2.1 RCRA Facility Assessment

In 1991, JEG, as part of the RCRA Facility Assessment (RFA), performed a Preliminary Review (PR) and a Visual Site Inspection (VSI) of the 307 SWMUs within the Station. JEG also conducted a site visit to observe the current conditions of the SWMUs and/or TAAs, and performed limited sampling. During a field RFA visit in April 1991, JEG identified SWMU 73 (also known as TAA 297) as a temporary hazardous waste storage area, approximately 250 feet from the northwestern corner of Building 297 and adjacent to the northwestern Station boundary fence separating Buildings 297 and 388.

Per JEG's VSI evaluation form, SWMU 73 (TAA 297) is described as an active 12- by 12-foot concrete storage pad with a 6-inch-high berm and aluminum roof, bordered by an asphalt-paved parking area. A sump was identified in the southwest corner of the storage pad. Hazardous materials stored on the pad included waste oil, hydraulic fluid, and battery acid. No significant cracks were observed. Although there was no evidence of a release to soil because the surrounding paved area was not cracked, JEG recommended a sampling visit for SWMU 73 (TAA 297).

During a sampling visit on October 20, 1992, JEG advanced one soil boring (73A1) by hollow-stem auger to a depth of 62 feet, approximately 12 feet east of the SWMU 73 (TAA 297) pad. Seven soil samples (including one duplicate) were collected at 10-foot depth intervals. Analysis of the soil samples indicated maximum concentrations of compounds detected as follows:

- Acetone at 3 μg/kg
- Methylene chloride at 18 μg/kg
- Toluene at 3 μg/kg

- di-n-Butylphthalate at 34 μg/kg
- bis(2-Ethylhexyl)phthalate at 38 μg/kg
- Diethylphthalate at 38 μg/kg
- Aluminum at 26,900 mg/kg.

Because the concentrations of detected compounds were below established cleanup goals for the site and/or below the contract required detection limit (CRDL) from the RFA, JEG recommended *"No Further Action (NFA)"* for SWMU 73 (TAA 297). Copies of the VSI form, figure and analytical results table from the JEG RFA report are included in Appendix A, JEG RFA Background Information.

After review of the JEG RFA report, DTSC requested additional information about TAAs to determine the closure requirements. BNI performed visual assessments at 73 TAAs to provide more specific information for a closure strategy for TAAs. In December 1994, BNI visited TAA 297.

During the BNI surveillance visit in December 1994, TAA 297 was observed to be a concrete pad of size 10 feet by 20 feet. Sixteen drums and batteries were observed on the concrete pad (BNI, 1996). Copies of TAA 297 evaluation forms from the BNI Final RFA Addendum report are included in Appendix B, BNI VSI Evaluation Report.

In 1997, OHM prepared a TAA closure work plan to perform confirmation sampling and decontamination of various TAA sites including TAA 297 as warranted. The following sections describe OHM's approach and field efforts for closure of TAA 297.

Section 3
Field Activities

The following subsections describe the activities that were performed by OHM at TAA 297. Field activities were conducted in accordance with the approved *Final Supplemental Work Plan* (OHM, 1997a).

Field activities conducted at TAA 297 included a site inspection and confirmation soil sampling. Photographs of the field activities at TAA 297 are presented in Appendix C, Site Photographs.

3.1 Preparatory Work

OHM performed a site visit at TAA 297 on November 8, 1999 before performing any field activities. The TAA 297 was observed to be an inactive TAA, consisting of a vacant concrete pad with a berm and a sump. No evidence of a release or stains was observed around the TAA 297. The surface of the concrete pad was clean (some debris and dust) and intact without any cracks, therefore no decontamination was necessary of the concrete pad. A copy of the Site Assessment Log is included as Appendix D.

3.2 Confirmation Soil Sampling

Soil sample locations were selected based on a visual inspection performed during the site visit the week of February 7, 2000. Confirmation soil samples were collected on February 9 and April 6, 2000 from six hand-auger locations adjacent to TAA 297. A total of 25 soil samples were collected from the six borings (SB01 through SB06, SB01A through SB06A).

Soil samples were collected in standard stainless steel sleeves at two different depths: 18 and 36 inches below ground surface. A soil sample was also collected at 24 inches below ground surface from boring SB04 (duplicate sample). Details on the sampling strategy and analytical methods are discussed in Section 4. The locations of the OHM hand-auger borings at TAA 297 are shown in Figure 3-1.

After completing the confirmation soil sampling at TAA-297 the hang-auger soil boring locations were surveyed by Cal Vada Surveying Inc., a California-licensed land surveyor. The surveyed locations were measured to ±0.01 foot horizontally and tied to the California State Plane Coordinate Systems, North American Datum 1983. The surveyed elevations were measured to ±0.01 foot vertically and tied to mean sea level datum. The land surveying data for TAA 297 are presented as Appendix E.

Section 4
Sampling Analytical Results and Data Quality Assessment

The objective of confirmation sampling and analysis was to provide analytical data to characterize the soil condition adjacent to TAA 297. The sampling methodology, analytical methods, analytical results, and interpretation of confirmation soil sampling have been performed in accordance with the analytical strategy presented in the DTSC-approved *Final Supplemental Work Plan* (OHM, 1997a) and are described in the following text.

The laboratory analyses were performed according to test methods specified in EPA Solid Waste-846 (Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, June 1997) and California Leaking Underground Fuel Tank (CA LUFT) Manual (State Water Resources Control Board, 1989). The test methods used for analyses were selected on the basis of their ability to detect the chemicals of potential concern with suitable detection limits to verify the successful decontamination of TAA 297 and to provide data for assessment of risk to human health and the environment. A list of all the analytical methods that were performed for TAA 297 is provided in Section 4.2.

All samples were analyzed by EMAX Laboratories, Inc. which is a state of California-certified and Naval Facilities Engineering Services Center-approved analytical laboratory.

4.1 Field Sampling Summary

4.1.1 Confirmation Soil Sampling

The sampling strategy for TAA 297 focused on two aspects of the site: possible releases on the surface of the TAA or possible releases into the soil surrounding the TAA. Soil samples were collected and analyzed for the constituents contained in the wastes that may have been stored at TAA 297.

Sample locations were selected based on visual inspection performed during a site visit, which included any areas where there was evidence of spills, contamination of concrete, or visual signs of secondary containment structure deterioration (cracks in berms). However, no cracks were observed at TAA 297. A total of 25 confirmation soil samples (sample numbers18609-2797 through 18609-2811 and 18609-2938 through 18609-2949) were collected at TAA 297 from six hand-auger borings (SB01 through SB06, SB01A through SB06A). The laboratory missed the holding time to conduct the 8270 SIMS analysis with samples collected on February 9. Therefore, OHM returned to the site on April 6 and collected six additional samples from the original hand auger locations. These samples were only analyzed for 8270 SIM. The locations of hand-auger borings are shown in Figure 3-1.

A hand auger was used to bore into the soil adjacent to the concrete to approximately 36 inches. Soil samples were collected at 18, 24, and 36 inches below ground surface using a

hammer-driven split core sampler containing a stainless steel sleeve. Following soil sample collection, excess soil was placed back in the open boreholes (no airborne volatile organic compounds (VOCs) were identified by the photoionization detector). The surface was then finished to match the existing surface of the asphalt. The Sample Collection Summary Log for TAA 297 is presented in Table 4-1.

4.1.2 Quality Control

Field quality assurance/quality control (QA/QC) samples were collected at the TAA site as follow:

- Equipment rinsate samples were collected at a frequency of 1 per day.
- Trip blank samples were collected at a frequency of 1 per sample cooler for coolers containing samples for volatile analysis.

One equipment rinsate sample (sample number 18609-2810) and one trip blank (sample number 18609-2811) were collected for the TAA site.

EMAX Laboratories, Inc. performed the following laboratory QA/QC sample:

- Laboratory control sample/sample duplicate analysis was performed at a frequency of 1 per 20 samples or batch.
- Laboratory matrix spike/spike duplicate sample analysis was performed at a frequency of 1 per 20 samples or per batch.
- Laboratory method blank analysis was performed at a frequency of 1 per 20 samples or per batch.

4.1.3 Equipment Decontamination

Equipment used in the exclusion zone was decontaminated prior to removal from the site, as identified in the site specific Health and Safety Plan (HSP). The equipment used for collecting soil samples was decontaminated between each use. The hand auger assembly was washed in a typical three step procedure consisting of: decontaminating the equipment first using a brush in a bucket of Alconox™ detergent and water; then a second bucket of water for immediate rinse; and again in a third bucket of analyte-free water for the final rinse.

4.2 Analytical Methods

Analytical methods were selected to encompass all the chemicals of potential concern at TAA 297. The following methods were performed to characterize samples collected from TAA 297:

- VOCs by EPA Method 8260A
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270B

- TPH as Gasoline by CA LUFT 8015 Modified (purge and trap)
- TPH as Diesel by CA LUFT 8015 Modified (extraction)
- Pesticides by EPA Method 8081
- Metals by EPA Method 6010B and 7470A/7471A.

The CA LUFT 8015 modified results in laboratory reports include footnotes to indicate matches with standard patterns for gasoline, JP-5, diesel, or motor oil.

Additionally, the Selected Ion Monitoring (SIM) technique was used for the following seven semivolatile organic compounds in order to achieve detection limits lower than the Region 9 PRGs (EPA, 2000):

- Benzo(a)pyrene
- Dibenzo(a,h)anthracene
- Hexachlorobenzene
- Indeno(1,2,3-cd)pyrene
- n-Nitrosodi-n-propylamine
- Pentachlorophenol
- bis(2-Chloroethyl)ether.

SIM is a recognized gas chromatograph/mass spectrometer technique used to lower detection limits for organic compounds. As specified in EPA Method 8270B, semivolatile compounds are introduced into the gas chromatograph by direct injection. The components of the sample are separated by the gas chromatograph and detected by the mass spectrometer, which provides both qualitative and quantitative information.

For each component or compound separated by the gas chromatograph, the mass spectrometer produces a characteristic mass spectrum. The mass spectrometer ionizes the sample molecules and separates any resulting fragments by mass-to-charge (m/z) ratios. The fragmentation pattern is used to determine the structure of the original molecule. The intensity of one or more of the fragments is used to quantify the identified compound.

Upon identification of a target compound by comparison of the acquired mass spectrum with the mass spectrum of a standard, EPA Method 8270B specifies a fragment or characteristic ion to use for quantitation of the analyte. Method 8270B requires that the mass spectrometer scan from 35 to 500 amu (m/z) every 1 second or less. In SIM, the entire mass range is not scanned. Typically, only a few m/z are monitored. As a result, the mass spectrometer is able to collect more data from a specific m/z, resulting in an improved signal-to-noise ratio, which in turn improves detection limits. There is, however, a practical limitation to the number of m/z that can be monitored at one time so that the total scan time does not exceed 1 second.

As a result, the number of compounds that can be measured in a single SIM analysis is limited.

4.3 Laboratory Analytical Results

This section provides summary and assessment of the analytical results from the sampling performed at TAA 297. The analytical results for the confirmation soil samples at TAA 297 with comparison to the background concentrations and PRGs are presented in Table 4-2. QC sample analytical data for TAA 297 are presented in Table 4-3. The hard copies of the analytical results with QA/QC data obtained from VOC Analytical Laboratory are included in Appendix F, Laboratory Analytical Results.

4.3.1 Soil Sample Analytical Results

Total Petroleum Hydrocarbons – TPH as gasoline and diesel were not detected above the laboratory reporting limits in any confirmation soil samples collected from TAA 297 with the exception of the following:

- Sample number 18609-2799, TPH as diesel at 5,100 mg/kg; as gasoline at 1,000 mg/kg
- Sample number 18609-2800, TPH as diesel at 3,600 mg/kg; as gasoline at 2,500 mg/kg
- Sample number 18609-2801, TPH as diesel at 2,100 mg/kg; as gasoline at 2,500 mg/kg
- Sample number 18609-2802, TPH as diesel at 4,400 mg/kg; as gasoline at 3,900 mg/kg
- Sample number 18609-2803, TPH as diesel at 46 mg/kg
- Sample number 18609-2804 (duplicate), TPH as diesel at 2,100 mg/kg
- Sample number 18609-2805, TPH as diesel at 310 mg/kg
- Sample number 18609-2806, TPH as diesel at 350 mg/kg
- Sample number 18609-2807, TPH as diesel at 56 mg/kg
- Sample number 18609-2808, TPH as diesel at 24 mg/kg.

Volatile Organic Compounds – Volatile compounds were not detected in any confirmation soil samples with the exception of the following:

- Sample number 18609-2797, acetone at 23 μg/kg
- Sample number 18609-2799, acetone at 100 μg/kg; ethylbenzene at 9.9 μg/kg

- Sample number 18609-2800, 2-butanone at 21 μg/kg; acetone at 55 μg/kg; ethylbenzene at 7.5 μg/kg
- Sample number 18609-2801, acetone at 46 μg/kg; xylenes at 11 μg/kg
- Sample number 18609-2802, 2-butanone at 27 μg/kg; acetone at 77 μg/kg; ethylbenzene at 4.1 μg/kg
- Sample number 18609-2804, acetone at 21 μg/kg
- Sample number 18609-2806, acetone at 23 μg/kg.

Pesticides – Pesticide compounds were not detected above the laboratory reporting limits for all confirmation soil samples collected from TAA 297 except for the following:

- Sample number 18609-2799, 4,4'-DDD at 0.01 mg/kg, 4,4'-DDE at 0.0028 mg/kg, and α-BHC at 0.001 mg/kg
- Sample number 18609-2801, 4,4'-DDD at 0.0022 mg/kg;

Reporting limits for α-chlordane, dieldrin, endosulfan I, endosulfan II, endosulfan sulfate, endrin, endrin aldehyde, and γ-chlordane, exceeded established background concentrations for all confirmation samples that were analyzed for these parameters. Reporting limits for dieldrin and toxaphene exceeded the EPA Region 9 Residential PRGs in all confirmation samples.

Semivolatile Organic Compounds – No SVOCs were detected above the laboratory reporting limits in the confirmation soil samples collected from TAA 297 except for the following:

- Sample number 18609-2939, di-n-butylphthalate at 180 μg/kg
- Sample number 18609-2940, 2-methylnaphthalene at 24,000 μg/kg and naphthalene at 9,100 μg/kg
- Sample number 18609-2941, 2-methylnaphthalene at 15,000 μg/kg and naphthalene at 5,800 μg/kg
- Sample number 18609-2942, 2-methylnaphthalene at 11,000 μg/kg and naphthalene at 3,500 μg/kg
- Sample number 18609-2943, di-n-butylphthalate at 170 μg/kg, 2-methylnapthalene at 5,200 μg/kg, and naphthalene at 1,500 μg/kg
- Sample number 18609-2945, 2-methylnaphthalene at 7,600 μg/kg, di-n-butylphthalate at 210 μg/kg, and naphthalene at 1,300 μg/kg
- Sample number 18609-2949, di-n-octyl phthalate at 180 μg/kg.

The reporting limits were above the established background levels for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene. and pyrene. To ensure that the laboratory reporting limits were lower than the residential PRGs, the following seven SVOCs were analyzed using the SIM technique:

- Benzo(a)pyrene
- Dibenzo(a,h)anthracene
- Hexachlorobenzene
- Indeno(1,2,3-cd)pyrene
- n-Nitrosodi-n-propylamine
- Pentachlorophenol
- bis(2-Chloroethyl)ether.

The OHM criterion for acceptance of this SIM data was that the laboratory method detection limit (MDL) must be equal to or less than half of the PRG. For some samples, the reporting limits for n-nitrosodi-n-propylamine, dibenzo(a,h)anthracene, benzo(a)anthracene, benzo(a)pyrene, and benzo(b)-fluoranthene exceeded residential PRGs.

Metals – The following metals were reported above the reporting limit in the confirmation soil samples as presented in Table 4-2: aluminum, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, vanadium, and zinc. The reporting limits and positive results for several analytes exceeded the established background values. These results are flagged with a B in Table 4-2. The results for arsenic were above residential and/or industrial PRGs for some confirmation samples but were below the background levels for all the confirmation soil samples.

4.3.2 QC Sample Analytical Results

One trip blank was collected for TAA 297 (18609-2811). The trip blank was analyzed for VOCs, and no analytes were reported above the reporting limits.

One equipment rinsate sample (18609-2810) was collected and analyzed for TPH as gasoline and diesel, pesticides, VOCs, SVOCs, and metals. No analytes were reported above the reporting limits except for zinc at 32.2 ug/L.

4.4 Data Quality Assessment

The TAA 297 analytical data were reviewed and validated with respect to the QA/QC parameters specified in the work plan. The following were evaluated:

- EPA recommended holding times

- Cooler condition upon receipt by the laboratory
- Initial and continuing calibration standards
- Method blanks
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory control samples (LCS) recoveries.

All samples were prepared and analyzed within EPA recommended holding times. The sample cooler was received intact and within the required temperature range of 4±2 degrees Celsius. Any sample results associated with QC parameters that were out of compliance with the work plan have been flagged and annotated in Tables 4-2 and 4-3. All data are useable as qualified.

4.5 Data Validation

This section addresses the validity and quality of the data collected from TAA 297. Analytical data were reviewed and validated in accordance with the EPA *National Functional Guidelines for Organic and Inorganic Data Review* (EPA, 1994). Laboratory Data Consultants (LDC), an independent data validation company, performed Level III and Level IV validation on the data. A hard copy of the LDC report is provided in Appendix G, Data Validation Reports.

Laboratory analytical data were subjected to a four-stage process of evaluation: completeness checks; verification of hard copy and electronic results; validation of the data; and final evaluation based on the professional judgment of the project chemist.

The data were qualified by LDC to indicate whether the data has been affected by any deviation from the analytical protocols established in the *Final Supplemental Work Plan* (OHM, 1997a). Unusable data was qualified with an "R" (rejected). All other results were either unqualified (no flag), non-detected ("U" flag), non-detected with uncertainty in the report detection limits ("UJ" flag), or detected with uncertainty in the reported concentration ("J" flag).

4.5.1 Analytical Quality Control Program

This section provides a description of the field and laboratory QC sample results, which were used to evaluate the precision, accuracy, representativeness, completeness, and comparability.

Precision — Precision was evaluated based on the QC results submitted from the field and from the laboratory. The calculated relative percent difference (RPD) of MS/MSDs, laboratory control sample/laboratory control sample duplicates (LCS/LCSDs), and the field duplicate pair provided information on the precision of sampling and analytical procedures.

RPDs for duplicate samples were not calculable when one or both results were not detected. The RPD did not meet the less than of equal to 20 percent RPD criterion the case of antimony, barium, manganese, zinc, and lead. Therefore, the results and quantitation limits for samples 18609-2797 through 18609-2809 were qualified as estimated, "J/UJ".

The precision results for all other samples were within the required limits.

Accuracy — Evaluation of the percent recovery (%R) of spiked analytes in MS/MSD samples, LCS/LCSDs, and surrogates provide information on accuracy. In addition, the initial and continuing calibration results provided information on analytical accuracy. The following results did not meet the project accuracy acceptance limits:

- For EPA Method 8260A, VOCs:
  - The area of the internal standards in sample number 18609-2799 (reanalysis) did not meet the lower control limit; as a result, all target analytes results and quantitation limits are qualified as estimated, "J/UJ."
  - The area of the internal standard chlorobenzene-d5 in sample number 18609-2801 did not meet the lower control limit; as a result, the quantitation limits for 2-hexanone, tetrachloroethene, chlorobenzene, ethylbenzene, styrene, xylenes, and dibromochloromethane are qualified as estimated, "J/UJ."
  - The area of the internal standard 1,2-dichlorobenzene-d4 in sample number 18609-2801 (reanalysis) did not meet the lower control limit; as a result, the quantitation limits for 1,1,2,2-tetrachloroethane and bromoform are qualified as estimated, "UJ."
- For EPA Method 8081, Pesticides:
  - The percent difference between the initial calibration response factor and the continuing calibration response factor for heptachlor, delta-BHC, 4,4'-DDD, methoxychlor, and endrin ketone was greater than the 15-percent upper QC limit. Therefore, the quantitation limits for these analytes in sample number 18609-2810 were qualified as estimated, "UJ."
  - The percent difference between the initial calibration response factor and the continuing calibration response factor for methoxychlor exceeded the 15-percent upper QC control limit; as a results, the quantitation limit for this compound was qualified as estimated, "UJ," in sample numbers 18609-2797, 18609-2799 through 18609-2801, 18609-2803, 18609-2804, 18609-2806, and 18609-2808.
- EPA Method 8270B, Semivolatiles:
  - The area of the internal standard perylene-d12 did not meet the lower control limit in sample 18609-2940. As a result, the di-n-octylphthalate, benzo(b)fluroanthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthra-cene, and benzo(g,h,I)perylene quantitation limits were qualified as estimated, "UJ."

- EPA Method 6010B, Metals:
  - The percent matrix spike/matrix spike duplicate recovery did not meet the greater than 80 percent recovery criteria. Antimony, barium, manganese, zinc, and lead results and quantitation limits in sample numbers 18609-2797 through 18609-2809 were qualified as estimated, "J/UJ".
  - The percent difference for manganese and zinc results in the ICP serial dilution did not meet the less than or equal to 10 percent acceptance criterion. The positive results in sample numbers 18609-2797 through 18609-2809 were qualified as estimated, "J."

Representativeness — Representativeness was assessed through the evaluation of method blank and trip blank samples. Target analytes were not detected in the method and trip blank samples with the following exception:

- Methylene chloride in the method blank associated with sample numbers 18609-2801 (reanalysis), 18609-2804, 18609-2806, 18609-2808, 18609-2799 (reanalysis), 18609-2800, and 18609-2802
- Beryllium in sample numbers 18609-2797, 18609-2798, and 18609-2800 through 18609-2809.

The concentration reported in the samples listed above was raised to the reporting limit and qualified "U", not detected.

Completeness — Completeness was evaluated with respect to two criteria. The first criteria was assuring that all analytical requests were met, samples were received in the proper condition, and all analytes were performed within the technical holding times. The second criterion was evaluating the analytical completeness by calculating the percent of acceptable analytes. The completeness parameters are:

- The completeness goal for holding times is 100 percent
- The goal for sample collection and analysis frequency of duplicate and MS/MSD samples was 10 and 5 percent, respectively
- The percent analytical completeness goal was 90 percent.

All samples were extracted and analyzed within the appropriate holding times. The percent analytical completeness goal is based on a project-wide sampling program and cannot be assessed on a site-by-site basis.

Comparability — To ensure comparability, sampling was performed using standardized procedures. Laboratory procedures follow EPA analytical methods and the CA LUFT Manual guidelines. All soil samples were reported on a dry weight basis. The data were then evaluated for comparability of reporting detection limits (RDLs) and associated dilution factors. RDLs were elevated when samples required dilution to quantify target compounds within the linear range of the instrument or when there was sample matrix interference. If

the RDL exceeded the target cleanup level, the MDL, rather than the RDL, was used to assess the data. If the concentrations exceeded the MDLs, but were below the RDLs, the laboratories flagged the results with the qualifier "J". If the concentrations were below the MDLs, the results were reported as nondetected at the RDLs and flagged with the qualifier "U". All MDLs are listed on the laboratory data sheets (Appendix C) and meet the target cleanup level requirements.

All reporting limits were achieved for VOCs, SVOCs, TPH, pesticides, and metals by the laboratory.

Summary — All data associated with TAA 297 were usable and acceptable as qualified. Overall precision and accuracy were met. The analytical results and associated qualifiers are summarized in Tables 4-2 and 4-3.

Section 5
Risk Characterization and Hazard Index Calculation

This section briefly describes the approach used to estimate risk and summarizes the baseline screening level risk assessment results for TAA 297. A screening level risk assessment for human health was conducted following the guidance provided in the EPA Region 9 PRGs Memorandum dated November 1, 2000 (EPA, 2000). The results of confirmation soil sampling conducted at TAA 297 were used to calculate risks.

5.1 Physical Characteristics of TAA 297

Based on the review of the JEG boring logs (Appendix A), the subsurface lithology at TAA 297 consists of primarily of silts, sands, and clays. These units appear typical of the channel and overbank deposits in comprising the Holocene deposits on the Tustin Plain. Groundwater is present at a depth of approximately 106 feet below ground surface (OHM, 1997b).

5.2 Exposure Assessment

TAA 297 was used as a temporary storage pad for storage of drums containing hazardous waste. The area surrounding TAA 297 is generally paved. The land use scenario is currently considered to be industrial.

The Station officially closed on July 2, 1999 in accordance with the Base Closure and Realignment Act of 1993 (BRAC III). TAA 297 is located within a parcel designated as *open space and cargo* according to *The Preferred Land Use Plan (Concept B)* as published by the County of Orange in September 1999, as shown in Figure 1, Appendix H.

For screening purposes, the ingestion, dermal contact, and inhalation exposure pathways are assumed to be complete for TAA 297, as if the area were unpaved. Should the screening fail, further evaluation of the exposure pathways would be required. A site conceptual model for TAA 297 is shown in Figure 5-1.

Under an industrial and/or residential land use scenario at TAA 297, workers or humans could be potentially exposed to surrounding soil by ingestion, dermal contact, or inhalation of dust or volatilized contaminants. These are the same exposure pathways evaluated by the EPA PRGs (EPA, 2000). Figure 5-2 presents the potential migration pathways at TAA 297.

For the purposes of this risk screening evaluation, the residential scenario is used as the worst case scenario. The current industrial use or future recreational use would have lower exposures and the risk would be less. If the risk is acceptable for the residential land use scenario, the risk would also be acceptable for both the current and future land use scenarios.

5.3 Toxicity Assessment

The PRGs incorporate the toxicity values from the Integrated Risk Information System, the Health Effects Assessment Summary Tables, and the National Center for Environmental Assessment. Cancer PRGs incorporate cancer toxicity values and the noncancer PRGs incorporate the toxicity values for chronic health effects other than cancer (EPA, 2000). Both cancer risk and noncancer hazards were evaluated in this screening risk assessment.

5.4 Risk Characterization

The PRGs are concentrations calculated using standard exposure factors that are protective of humans, including sensitive groups, over a lifetime. These PRG concentrations pose acceptable cancer risk or non-cancer hazard under the exposure scenarios evaluated. Generally, a cancer risk of 10^{-6} and a non-cancer hazard index (HI) of 1.0 or less are considered acceptable levels of exposure. Therefore, the PRG concentrations are calculated to the lower end of the acceptable cancer risk range of 10^{-6} and to a non-cancer hazard index of 1.0.

Cancer risk is calculated by dividing the site concentration by the PRG for each chemical. The ratios are added and the sum is then multiplied by 10^{-6}. The hazard index is calculated by dividing the site concentration by the PRG for each chemical and adding the resultant ratios.

Although maximum concentrations for chemicals detected at the site are used for this risk screening, comparisons are not made to maximum detected background concentrations. To maintain a conservative estimate of background risk, the 95th quantile background concentrations calculated for the Station (BNI, 1996b) are used to calculate background contributions to cancer risk.

At TAA 297, the detected carcinogens in soil include arsenic, beryllium, chromium, 4,4'-DDD, and 4,4'-DDE. None of the carcinogens were detected above background concentrations except beryllium. However, the summed cancer risk for soil under the potential future residential scenario after subtracting background is less than 10^{-6} (Table 5-1). The net cancer risk for the current industrial scenario after subtracting background is also less than 10^{-6} (Table 5-2).

Compounds that were detected at TAA 297 that contribute to the non-cancer HI include acetone, ethylbenzene, 2-butanone, xylenes, alpha-BHC, di-n-butyl phthalate, di-n-octyl phthalate, naphthalene, aluminum, barium, beryllium, cobalt, copper, iron, lead, and zinc. The summed non-cancer hazard index for soil under the potential future residential scenario is 1.5 (Table 5-1). This is a conservative HI because it includes background contributions, assumes that maximum detected concentrations are representative of the entire site, and is summed across all toxicological endpoints. Iron, aluminum, and naphthalene and lead contribute over 75 percent of the residential HI. For the current industrial land use scenario, the non-cancer hazard index is less than 1.0 (Table 5-2).

Since the HI for the potential future residential exposure scenario exceeded 1.0, a target organ endpoint evaluation was conducted for the significant contributors. Table 5-3 lists iron, aluminum, naphthalene and lead as the significant contributors to the HI. The HI for each was calculated for each target organ. The only contributors that share a target organ are lead and aluminum which share the central nervous system as a target organ. However, the HI is less than 1.0 for all target organs.

Summary

The site-related incremental cancer risk and non-cancer hazard index at TAA 297 are acceptable for the following reasons:

- The net carcinogenic risk is less than 10^{-6} for the residential scenario and the industrial scenario.
- The non-cancer hazard index for detected chemicals is less than 1.0 for the current industrial scenario.
- The non-cancer hazard index for the potential future residential land use scenario is less than 1.0 for identified target organs.

Section 6
Conclusions and Recommendations

The following conclusions are based upon existing background information, previous field investigations, and OHM's confirmation soil sampling analytical results and screening level risk assessment calculations:

- JEG conducted a VSI of SWMU 73 (also known as TAA 297) in May 1991. SWMU 73 was described as an active 12-foot by 12-foot concrete storage pad surrounded by a 6-inch concrete berm and covered by an aluminum roof. A sump was identified in the southwest corner of the storage pad. No significant cracks were observed. The pad was bordered by an asphalt-paved parking area. Hazardous materials stored on the pad have included waste oil, hydraulic fluid, and battery acid. Although there was no evidence of a release to soil, as part of the VSI evaluation process JEG recommended a *sampling visit* for SWMU 73.

- During the RFA sampling visit in October 1992, JEG advanced one soil borings to a depth of 62 feet below ground surface to the east of SWMA 73 (TAA 297) and collected seven soil samples. Analysis of all soil samples did not indicate presence of TPH, VOCs, SVOCs, or pesticides compounds above the cleanup goals for the site or above the CRDL, and JEG recommended *"NFA"* for SWMA 73 (TAA 297).

- In December 1994, BNI conducted a site inspection and identified storage of 16 drums and batteries at TAA 297. No cracks on the concrete were observed and minor grease or oil stains were noted. BNI performed no soil sampling at TAA 297.

- OHM observed inactive TAA 297 on November 8, 1999 with no evidence of release, stains, or cracks on the surface of the concrete pad or sump.

- OHM collected 25 confirmation soil samples from six hand-auger borings at TAA 297. Arsenic (above residential PRG and background) and low concentrations of organic compounds, pesticides, and metals (below background and PRGs) were found in the soil surrounding TAA 297. Based on the review of analytical data, there was no indication of hazardous contaminants from previous spills or handling of hazardous wastes. Health risk calculations were conducted which indicate that the use of the temporary storage pad did not impact the soil at TAA 297 to above acceptable risk levels.

- The detected carcinogens in soil include arsenic, beryllium, chromium, 4,4'-DDD, and 4,4'-DDE. None of the carcinogens were detected above background concentrations except beryllium. Compounds that were detected at TAA 297 that contribute to the non-cancer HI include acetone, ethylbenzene, 2-butanone, xylenes, alpha-BHC, di-n-butyl phthalate, di-n-octyl phthalate, naphthalene, aluminum, barium, beryllium, cobalt, copper, iron, lead, and zinc.

- The residential and industrial risk calculations for TAA 297 resulted in a site-related net cancer risk less background risk of less than 10^{-6}. The industrial noncancer HI was less than 1.0. The residential non-cancer HI was 1.5. However, the total HI for any individual target organ endpoint was less than 1.0 for the residential scenario.

The objectives of this project are considered to be achieved, since TAA 297 is no longer used for storage of hazardous waste drums. Confirmation soil sampling was conducted at TAA 297 to verify that concentrations of contaminants were at or below acceptable background or health-risk based concentrations. Based on the information provided, closure goals were achieved with respect to soil for TAA 297; therefore, TAA 297 (also known as SWMU 73) should be identified as "closed."

Section 7
References

Bechtel National, Inc., 1996a, *Final Addendum RCRA Facility Assessment Report, Marine Corps Air Station El Toro, California*, May.

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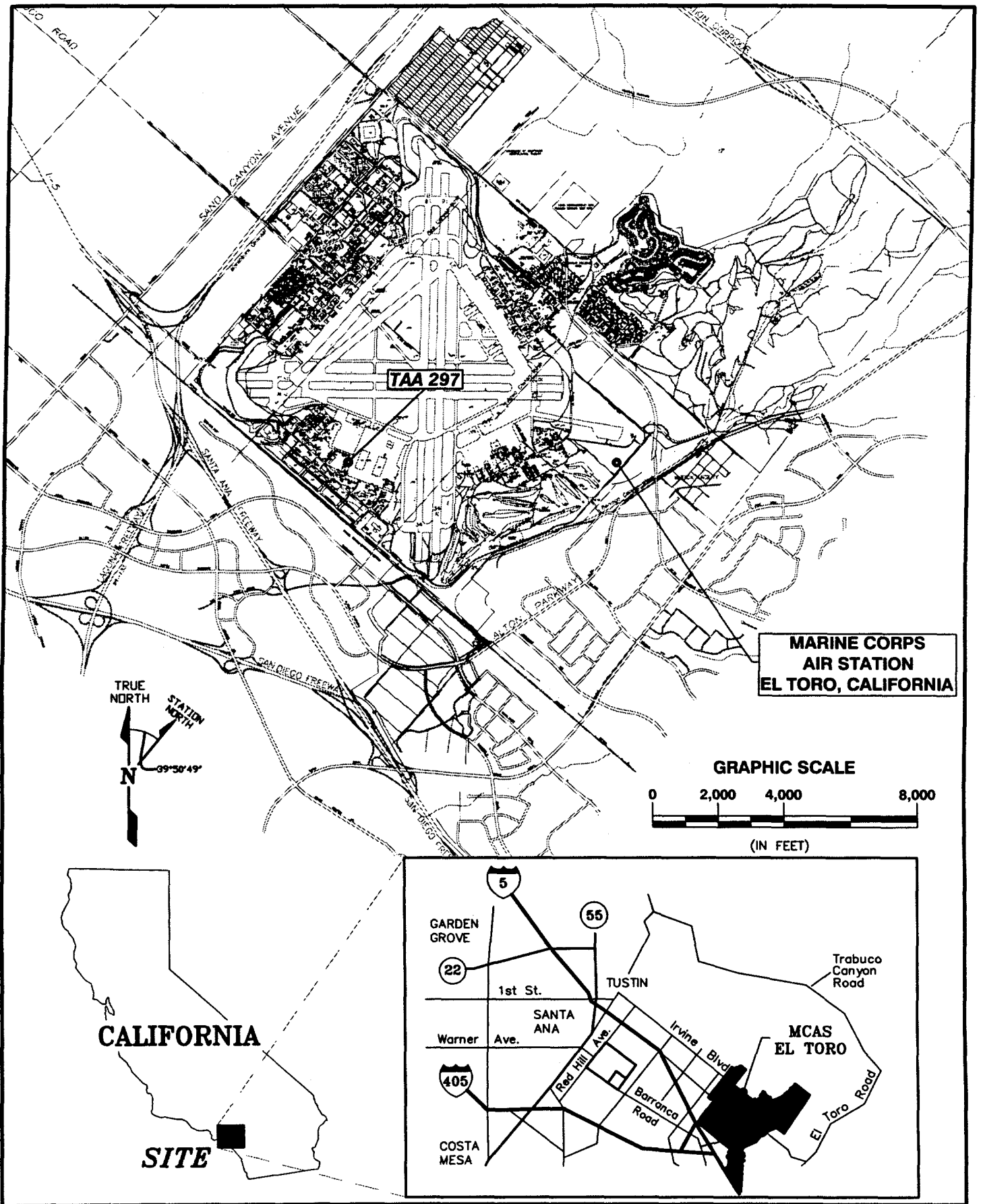
Figures



OHM Remediation Services Corp.
A Subsidiary of OHM Corporation
SAN DIEGO, CA

CONTRACT NAME: SWDIV

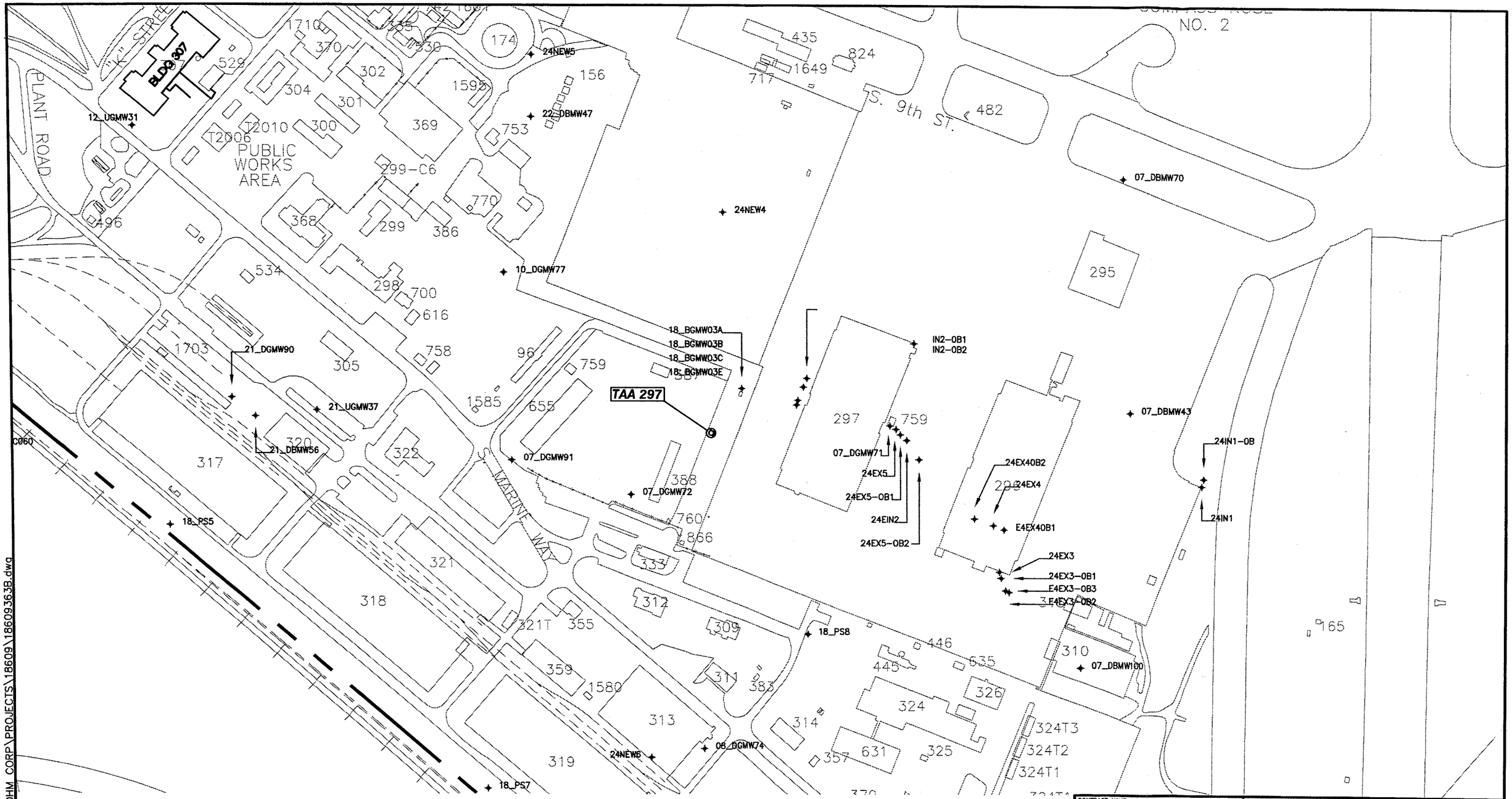
DRAWN BY: R. PIRMORADIAN	DATE: 2/19/01	
CHECKED BY: T. Waters	DATE: 3/12/01	
APPROVED BY: T. Waters	DATE: 3/12/01	
PROJECT MANAGER:	DATE: 3/12/01	

FACILITY LOCATION MAP
TAA 297

MARINE CORPS AIR STATION
EL TORO, CALIFORNIA

AUTOCAD FILE No.	PLOT SCALE	SHEET	OF	SCALE	DOCUMENT CONTROL No.	OHM PROJECT No.	FIGURE No.	REVISION
18609363A.DWG	1=1	1	1	1"=4,000'	SW9597	18609	FIG 1-1	0

Feb 22, 2001 - 11:38:44 I:\OHM CORP\PROJECTS\18609\18609363A.dwg



EXPLANATION:

✦ GROUNDWATER MONITORING WELL

TRUE NORTH
STATION NORTH
N
39°50'49"

GRAPHIC SCALE

0 150 300 600

(IN FEET)

REVISIONS			
REV. No.	DESCRIPTION	DATE	APPROVED

CONTRACT NAME: SWDIV			OHM Remediation Services Corp. A Subsidiary of OHM Corporation IRVINE, CA
DRAWN BY: R. PIRMORADIAN	DATE: 2/19/01		LOCATION MAP TAA 297
CHECKED BY: T. Waters	DATE: 3/12/01		
APPROVED BY: T. Waters	DATE: 3/12/01		
PROJECT MANAGER: DR	DATE: 3/12/01		MARINE CORPS AIR STATION EL TORO, CALIFORNIA
AUTOCAD FILE No.: 18609363B.DWG			

SCALE	SHEET	OF	DOCUMENT CONTROL No.	OHM PROJECT No.	DRAWING No.
1"=300'	1	1	SW9597	18609	FIG 1-2

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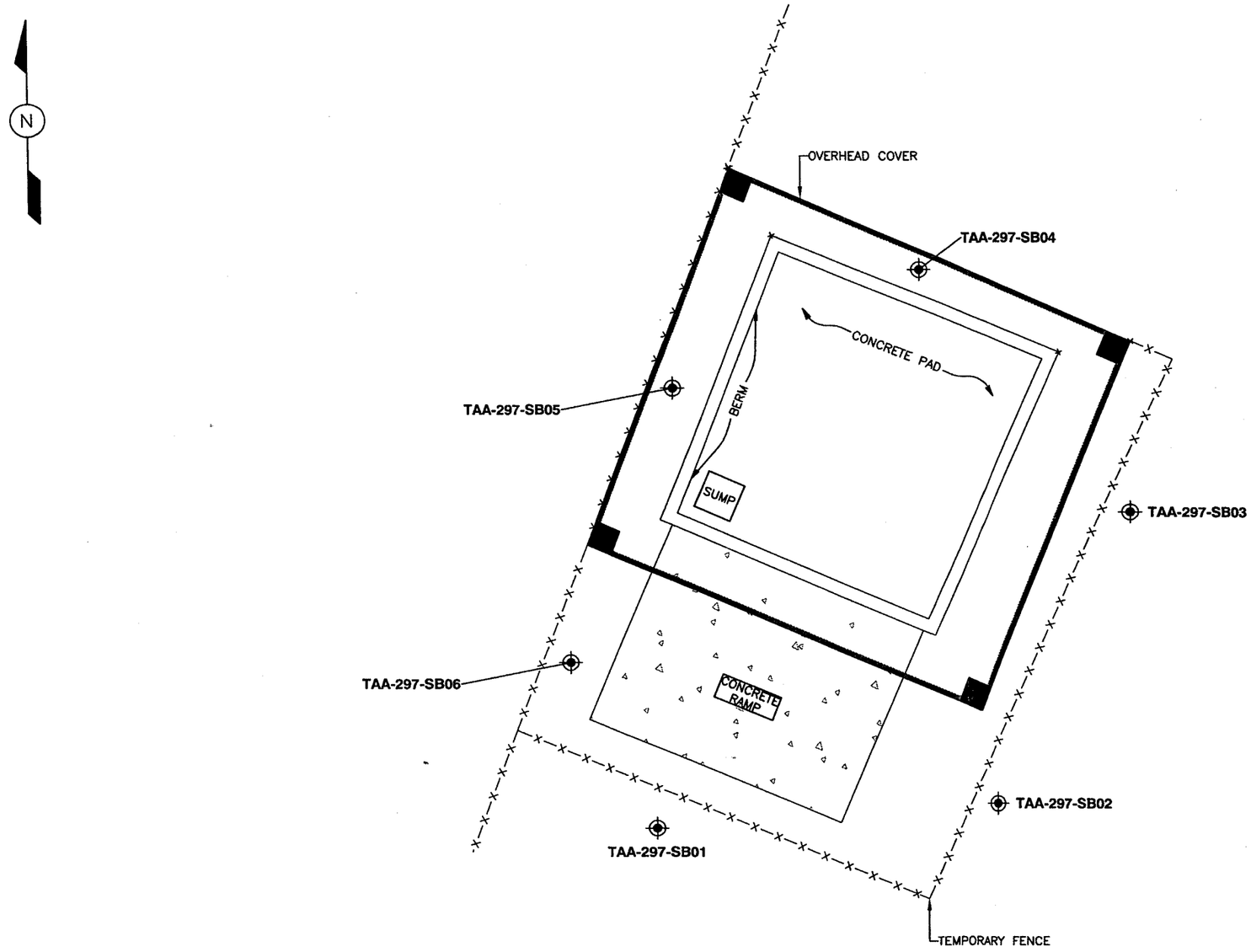


LEGEND:

SAMPLE POINTS

—X—X— CHAIN LINK FENCE

DATE OF SURVEY: 2-15-00
REVISED BORE HOLE NUMBERS: 2-13-01
ORIGINAL CALVADA SURVEY INCORRECTLY LISTED THIS SITE AS TAA-769

GRAPHIC SCALE

0 2.5 5 10

(IN FEET)

SAMPLE COORDINATE LISTING

NORTHING	EASTING	ELEVATION	NAME
2188687.88	6109330.25	278.37	TAA-297-SB01
2188688.84	6109343.50	278.15	TAA-297-SB02
2188700.31	6109348.69	278.31	TAA-297-SB03
2188709.78	6109340.47	278.75	TAA-297-SB04
2188705.16	6109330.94	278.73	TAA-297-SB05
2188694.39	6109326.97	278.67	TAA-297-SB06

REVISIONS

REV. No.	DESCRIPTION	DATE	APPROVED
01	TAA-769.DWG (WHICH SHOULD BE TAA-279.DWG) BY CALVADA	2/13/01	

CONTRACT NAME: SWDIV

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation
IRVINE, CA

DRAWN BY: R. PIRMORADIAN DATE: 2/22/01
CHECKED BY: T. Waters DATE: 3/12/01
APPROVED BY: T. Waters DATE: 3/12/01
PROJECT MANAGER: DR DATE: 3/12/01
AUTOCAD FILE No.: 18609363.DWG

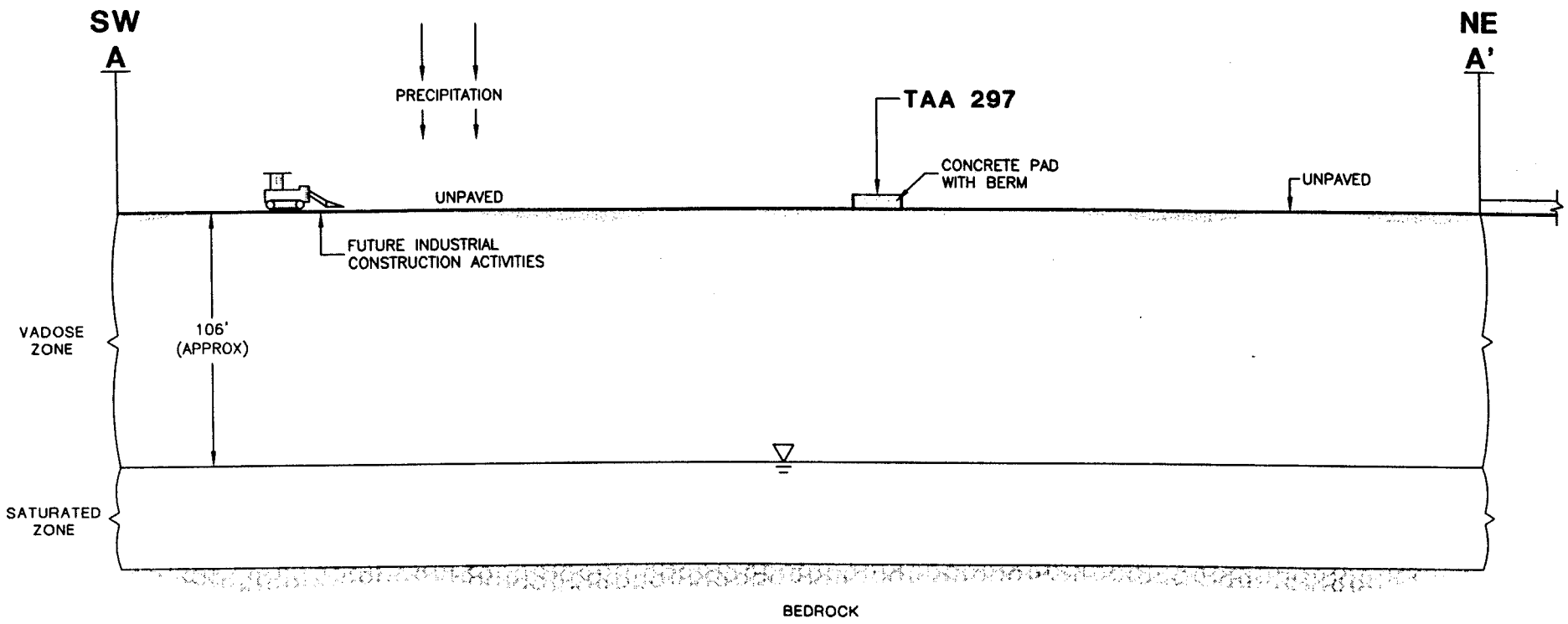
SITE PLAN
TAA 297

MARINE CORPS AIR STATION
EL TORO, CALIFORNIA

SCALE	SHEET	OF	DOCUMENT CONTROL No.	OHM PROJECT No.	DRAWING No.
1"=5'	1	1	SW9597	18609	FIG 3-1

Feb 22, 2001 - 16:58:43 I:\OHM CORP\PROJECTS\18609\18609363.dwg

Feb 22, 2001 - 11:41:07 I:\OHM CORP\PROJECTS\18609\18609363C.dwg



EXPLANATION:

RECEPTORS:

WORKERS

PATHWAYS:

GROUNDWATER

PRECIPITATION

REFERENCE:
103M2088.DWG

OHM Remediation Services Corp. A Subsidiary of OHM Corporation SAN DIEGO, CA	DRAWN BY R. PIRMORADIAN	DATE 2/22/01	CONCEPTUAL SITE MODEL TAA 297
	CHECKED BY T. Walters	DATE 3/12/01	
	APPROVED BY T. Walters	DATE 3/12/01	
CONTRACT NAME SWDIV	PROJECT MANAGER JR	DATE 3/12/01	MARINE CORPS AIR STATION EL TORO, CALIFORNIA

AUTOCAD FILE No.	PLOT SCALE	SHEET	OF	SCALE	DOCUMENT CONTROL No.	OHM PROJECT No.	FIGURE No.
18609363C.DWG	1=1	1	1	NONE	SW9597	18609	FIG 5-1

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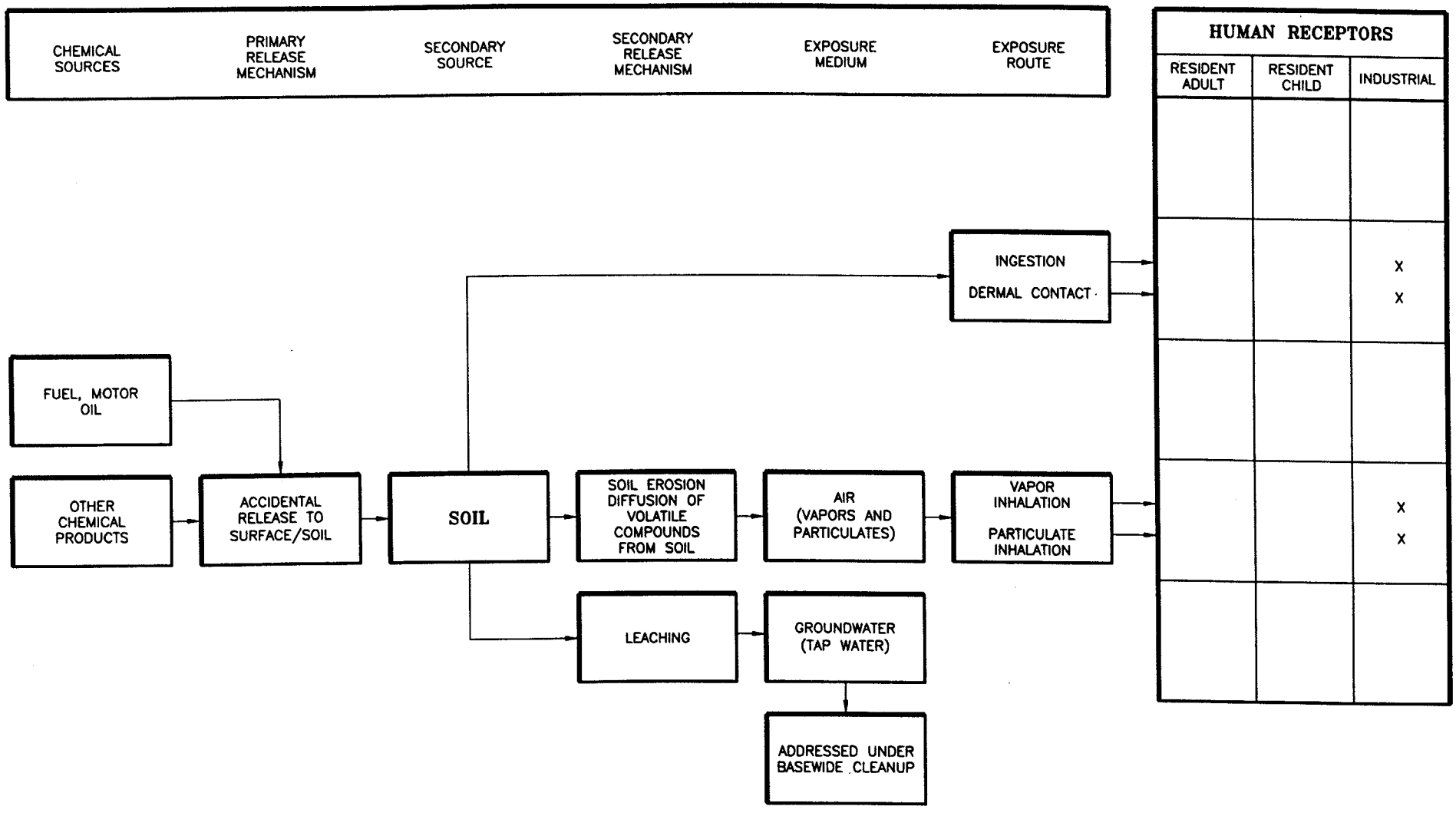


EXPLANATION:

X COMPLETE PATHWAY

REFERENCE:
103C2089.DXF

OHM Remediation Services Corp. A Subsidiary of OHM Corporation SAN DIEGO, CA	DRAWN BY R. PIRMORADIAN	DATE 2/19/01	POTENTIAL MIGRATION PATHWAYS, EXPOSURE ROUTES AND RECEPTORS TAA 297				
	CHECKED BY T. Waters	DATE 3/12/01					
	APPROVED BY T. Waters	DATE 3/12/01					
CONTRACT NAME SWDIV	PROJECT MANAGER J.K.	DATE 3/12/01	MARINE CORPS AIR STATION EL TORO, CALIFORNIA				
AUTOCAD FILE No. 18609363D.DWG	PLOT SCALE 1=1	SHEET 1	OF 1	SCALE NONE	DOCUMENT CONTROL No. SW9597	OHM PROJECT No. 18609	FIGURE No. FIG 5-2

Tables

Table 4-1
Summary of Chemical Analyses - TAA 297

Field Sample Identification	Location Code	Date Sampled	Start Depth	TPH AS DIESEL	TPH AS GASOLINE	EPA 8081	EPA 8260A	EPA 8270B	EPA 6010B	EPA 7470A/ 7471A
SOIL BORING										
18609-2797	TAA297-SB01	02/09/00	1.5	X	X	X	X	X	X	X
18609-2798	TAA297-SB01	02/09/00	3.0					X	X	X
18609-2938	TAA297-SB01A	04/06/00	1.5					X		
18609-2939	TAA297-SB01A	04/06/00	3.0					X		
18609-2799	TAA297-SB02	02/09/00	1.5	X	X	X	X	X	X	X
18609-2800	TAA297-SB02	02/09/00	3.0	X	X	X	X	X	X	X
18609-2940	TAA297-SB02A	04/06/00	1.5					X		
18609-2941	TAA297-SB02A	04/06/00	3.0					X		
18609-2801	TAA297-SB03	02/09/00	1.5	X	X	X	X	X	X	X
18609-2802	TAA297-SB03	02/09/00	3.0	X	X		X	X	X	X
18609-2942	TAA297-SB03A	04/06/00	1.5					X		
18609-2943	TAA297-SB03A	04/06/00	3.0					X		
18609-2803	TAA297-SB04	02/09/00	1.5	X	X	X	X	X	X	X
18609-2804	TAA297-SB04	02/09/00	2.0	X	X	X	X	X	X	X
18609-2805	TAA297-SB04	02/09/00	3.0	X		X		X	X	X
18609-2944	TAA297-SB04A	04/06/00	1.5					X		
18609-2945	TAA297-SB04A	04/06/00	3.0					X		
18609-2806	TAA297-SB05	02/09/00	1.5	X	X	X	X	X	X	X
18609-2807	TAA297-SB05	02/09/00	3.0	X				X	X	X
18609-2946	TAA297-SB05A	04/06/00	1.5					X		
18609-2947	TAA297-SB05A	04/06/00	3.0					X		
18609-2808	TAA297-SB06	02/09/00	1.5	X	X	X	X	X	X	X
18609-2809	TAA297-SB06	02/09/00	3.0	X				X	X	X
18609-2948	TAA297-SB06A	04/06/00	1.5					X		
18609-2949	TAA297-SB06A	04/06/00	3.0					X		
QC										
18609-2810	Equipment Rinsate	02/09/00		X	X	X	X	X	X	X
18609-2811	Trip Blank	02/09/00					X			

EPA - U.S. Environmental Protection Agency
MCAF - Marine Corps Air Facility
OHM - OHM Remediation Services Corp.
QC - quality control
TPH - total petroleum hydrocarbons

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2797	18609-2798	18609-2938	18609-2939	18609-2799
Location Code					TAA297-SB01	TAA297-SB01	TAA297-SB01A	TAA297-SB01A	TAA297-SB02
Date Sampled					02/09/00	02/09/00	04/06/00	04/06/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
CA LUFT 8015M									
TPH as Diesel	mg/kg	NE	NE	NE	11.3 U	NA	NA	NA	5100
TPH as Gasoline	mg/kg	NE	NE	NE	1.13 U	NA	NA	NA	1000
EPA 8081									
4,4'-DDD	mg/kg	0.0361	2.4 *	17 *	.0034 U	NA	NA	NA	.01
4,4'-DDE	mg/kg	0.145	1.7 *	12 *	.047 U	NA	NA	NA	.0028 J
4,4'-DDT	mg/kg	0.236	1.7 *	12 *	.0034 U	NA	NA	NA	.0038 U
Aldrin	mg/kg	NE	0.029	0.15	.017 U	NA	NA	NA	.019 U
NE - not established	mg/kg	NE	0.09	0.59	.0021 U	NA	NA	NA	.001 J
alpha-Chlordane	mg/kg	0.00224	1.6	11	.017 U B	NA	NA	NA	.019 U B
Beta-BHC	mg/kg	NE	0.32	2.1	.037 U	NA	NA	NA	.042 U
Delta-BHC	mg/kg	NE	NE	NE	.012 U	NA	NA	NA	.014 U
Dieldrin	mg/kg	0.0199	0.03	0.15	.039 U B Y	NA	NA	NA	.044 U B Y
Endosulfan I	mg/kg	0.000179	370	5300	.024 U B	NA	NA	NA	.026 U B
Endosulfan II	mg/kg	0.00222	370	5300	.027 U B	NA	NA	NA	.03 U B
Endosulfan sulfate	mg/kg	0.0031	NE	NE	.041 U B	NA	NA	NA	.045 U B
Endrin	mg/kg	0.00222	18	260	.041 U B	NA	NA	NA	.045 U B
Endrin aldehyde	mg/kg	0.00222	NE	NE	.018 U B	NA	NA	NA	.02 U B
gamma-BHC	mg/kg	NE	0.44	2.9	.023 U	NA	NA	NA	.025 U
gamma-Chlordane	mg/kg	0.0027	1.6	11	.017 U B	NA	NA	NA	.019 U B
Heptachlor	mg/kg	NE	0.11	0.55	.023 U	NA	NA	NA	.025 U
Heptachlor epoxide	mg/kg	NE	0.053	0.27	.024 U	NA	NA	NA	.026 U
Methoxychlor	mg/kg	NE	310	4400	.064 UJ	NA	NA	NA	.072 UJ
Toxaphene	mg/kg	NE	0.44	2.2	.79 U Y	NA	NA	NA	.88 U Y
EPA 8260A									
1,1,1-Trichloroethane	µg/kg	NE	630000	1400000	4.7 U	NA	NA	NA	6.9 UJ
1,1,2,2-Tetrachloroethane	µg/kg	NE	380	900	4.7 U	NA	NA	NA	6.9 UJ
1,1,2-Trichloroethane	µg/kg	NE	840	1900	4.7 U	NA	NA	NA	6.9 UJ
1,1-Dichloroethane	µg/kg	NE	3300 *	7100 *	4.7 U	NA	NA	NA	6.9 UJ
1,1-Dichloroethene	µg/kg	NE	54	120	4.7 U	NA	NA	NA	6.9 UJ
1,2-Dichloroethane	µg/kg	NE	350	760	4.7 U	NA	NA	NA	6.9 UJ
1,2-Dichloropropane	µg/kg	NE	350	770	4.7 U	NA	NA	NA	6.9 UJ

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2797	18609-2798	18609-2938	18609-2939	18609-2799
Location Code					TAA297-SB01	TAA297-SB01	TAA297-SB01A	TAA297-SB01A	TAA297-SB02
Date Sampled					02/09/00	02/09/00	04/06/00	04/06/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
2-Butanone (MEK)	µg/kg	NE	7300000	28000000	47 U	NA	NA	NA	69 UJ
2-Chloroethyl vinyl ether	µg/kg	NE	NE	NE	47 U	NA	NA	NA	69 UJ
2-Hexanone	µg/kg	NE	NE	NE	47 U	NA	NA	NA	69 UJ
4-Methyl-2-pentanone (MIBK)	µg/kg	NE	790000	2900000	47 U	NA	NA	NA	69 UJ
Acetone	µg/kg	NE	1600000	6200000	23 J	NA	NA	NA	100 J
Benzene	µg/kg	NE	650 *	1500 *	4.7 U	NA	NA	NA	6.9 UJ
Bromodichloromethane	µg/kg	NE	1000	2400	4.7 U	NA	NA	NA	6.9 UJ
Bromoform	µg/kg	NE	62000	310000	4.7 U	NA	NA	NA	6.9 UJ
Bromomethane	µg/kg	NE	3900	13000	4.7 U	NA	NA	NA	6.9 UJ
Carbon disulfide	µg/kg	NE	360000	720000	4.7 U	NA	NA	NA	6.9 UJ
Carbon tetrachloride	µg/kg	NE	240	530	4.7 U	NA	NA	NA	6.9 UJ
Chlorobenzene	µg/kg	NE	150000	540000	4.7 U	NA	NA	NA	6.9 UJ
Chloroethane	µg/kg	NE	3000	6500	4.7 U	NA	NA	NA	6.9 UJ
Chloroform	µg/kg	NE	240	520	4.7 U	NA	NA	NA	6.9 UJ
Chloromethane	µg/kg	NE	1200	2700	4.7 U	NA	NA	NA	6.9 UJ
cis-1,2-Dichloroethene	µg/kg	NE	43000	150000	4.7 U	NA	NA	NA	6.9 UJ
cis-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	4.7 U	NA	NA	NA	6.9 UJ
Dibromochloromethane	µg/kg	NE	1100	2700	4.7 U	NA	NA	NA	6.9 UJ
Ethylbenzene	µg/kg	NE	230000	230000	4.7 U	NA	NA	NA	9.9 J
Methyl tert-butyl ether (MTBE)	µg/kg	NE	17000 *	37000 *	9.4 U	NA	NA	NA	14 UJ
Methylene chloride	µg/kg	NE	8900	21000	4.7 U	NA	NA	NA	6.9 U
Styrene	µg/kg	NE	1700000	1700000	4.7 U	NA	NA	NA	6.9 UJ
Tetrachloroethene	µg/kg	NE	5700	19000	4.7 U	NA	NA	NA	6.9 UJ
Toluene	µg/kg	NE	520000	520000	4.7 U	NA	NA	NA	6.9 UJ
trans-1,2-Dichloroethene	µg/kg	NE	63000	210000	4.7 U	NA	NA	NA	6.9 UJ
trans-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	4.7 U	NA	NA	NA	6.9 UJ
Trichloroethene	µg/kg	NE	2800	6100	4.7 U	NA	NA	NA	6.9 UJ
Vinyl acetate	µg/kg	NE	430000	1400000	47 U	NA	NA	NA	69 UJ
Vinyl chloride	µg/kg	NE	150 *	830 *	4.7 U	NA	NA	NA	6.9 UJ
Xylenes (total)	µg/kg	NE	210000	210000	4.7 U	NA	NA	NA	6.9 UJ
EPA 8270B									
1,2,4-Trichlorobenzene	µg/kg	NE	650000	3000000	NA	NA	370 U	390 U	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2797	18609-2798	18609-2938	18609-2939	18609-2799
Location Code					TAA297-SB01	TAA297-SB01	TAA297-SB01A	TAA297-SB01A	TAA297-SB02
Date Sampled					02/09/00	02/09/00	04/06/00	04/06/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
1,2-Dichlorobenzene	µg/kg	NE	370000	370000	NA	NA	370 U	390 U	NA
1,3-Dichlorobenzene	µg/kg	NE	13000	52000	NA	NA	370 U	390 U	NA
1,4-Dichlorobenzene	µg/kg	NE	3400	8100	NA	NA	370 U	390 U	NA
2,4,5-Trichlorophenol	µg/kg	NE	6100000	88000000	NA	NA	940 U	970 U	NA
2,4,6-Trichlorophenol	µg/kg	NE	44000	220000	NA	NA	370 U	390 U	NA
2,4-Dichlorophenol	µg/kg	NE	180000	2600000	NA	NA	370 U	390 U	NA
2,4-Dimethylphenol	µg/kg	NE	1200000	18000000	NA	NA	370 U	390 U	NA
2,4-Dinitrophenol	µg/kg	NE	120000	1800000	NA	NA	940 U	970 U	NA
2,4-Dinitrotoluene	µg/kg	NE	120000	1800000	NA	NA	370 U	390 U	NA
2,6-Dinitrotoluene	µg/kg	NE	61000	880000	NA	NA	370 U	390 U	NA
2-Chloronaphthalene	µg/kg	NE	3900000	27000000	NA	NA	370 U	390 U	NA
2-Chlorophenol	µg/kg	NE	63000	240000	NA	NA	370 U	390 U	NA
2-Methyl-4,6-dinitrophenol	µg/kg	NE	NE	NE	NA	NA	940 U	970 U	NA
2-Methylnaphthalene	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
2-Methylphenol	µg/kg	NE	3100000	44000000	NA	NA	370 U	390 U	NA
2-Nitroaniline	µg/kg	NE	3500	50000	NA	NA	940 U	970 U	NA
2-Nitrophenol	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
3,3'-Dichlorobenzidine	µg/kg	NE	1100	5500	NA	NA	370 U	390 U	NA
3-Methyl-4-chlorophenol	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
3-Nitroaniline	µg/kg	NE	NE	NE	NA	NA	940 U	970 U	NA
4-Bromophenyl phenyl ether	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
4-Chloroaniline	µg/kg	NE	240000	3500000	NA	NA	370 U	390 U	NA
4-Chlorophenyl phenyl ether	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
4-Methylphenol	µg/kg	NE	310000	4400000	NA	NA	370 U	390 U	NA
4-Nitroaniline	µg/kg	NE	NE	NE	NA	NA	940 U	970 U	NA
4-Nitrophenol	µg/kg	NE	490000	7000000	NA	NA	940 U	970 U	NA
Acenaphthene	µg/kg	NE	3700000	38000000	NA	NA	370 U	390 U	NA
Acenaphthylene	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
Anthracene	µg/kg	NE	22000000	100000000	NA	NA	370 U	390 U	NA
Benzo[a]anthracene	µg/kg	22	620	2900	NA	NA	370 U B	390 U B	NA
Benzo[a]pyrene	µg/kg	27	62	290	NA	NA	75 U B Y	290 U B Y X	NA
Benzo[b]fluoranthene	µg/kg	28	620	2900	NA	NA	370 U B	390 U B	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2797	18609-2798	18609-2938	18609-2939	18609-2799
Location Code					TAA297-SB01	TAA297-SB01	TAA297-SB01A	TAA297-SB01A	TAA297-SB02
Date Sampled					02/09/00	02/09/00	04/06/00	04/06/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
Benzo[ghi]perylene	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
Benzo[k]fluoranthene	µg/kg	24	6200	29000	NA	NA	370 U B	390 U B	NA
Bis (2-chloroethoxy)methane	µg/kg	NE	NE	NE	NA	NA	370 U	390 U	NA
Bis (2-chloroethyl)ether	µg/kg	NE	210	620	NA	NA	75 U	390 U Y	NA
Bis (2-chloroisopropyl)ether	µg/kg	NE	2900	8100	NA	NA	370 U	390 U	NA
Bis (2-ethylhexyl)phthalate	µg/kg	NE	35000	180000	NA	NA	370 U	390 U	NA
Butyl benzyl phthalate	µg/kg	NE	12000000	100000000	NA	NA	370 U	390 U	NA
Chrysene	µg/kg	31	6100	290000	NA	NA	370 U B	390 U B	NA
Di-n-butyl phthalate	µg/kg	NE	6100000	88000000	NA	NA	370 U	180 J	NA
Di-n-octyl phthalate	µg/kg	NE	1200000	10000000	NA	NA	370 U	390 U	NA
Dibenz[a,h]anthracene	µg/kg	8	62	290	NA	NA	75 U B Y	290 U B Y X	NA
Dibenzofuran	µg/kg	NE	290000	5100000	NA	NA	370 U	390 U	NA
Diethyl phthalate	µg/kg	NE	49000	100000	NA	NA	370 U	390 U	NA
Dimethyl phthalate	µg/kg	NE	100000000	100000000	NA	NA	370 U	390 U	NA
Fluoranthene	µg/kg	45	2300000	30000000	NA	NA	370 U B	390 U B	NA
Fluorene	µg/kg	NE	2600000	33000000	NA	NA	370 U	390 U	NA
Hexachlorobenzene	µg/kg	NE	300	1500	NA	NA	75 U	390 U Y	NA
Hexachlorobutadiene	µg/kg	NE	6200	32000	NA	NA	370 U	390 U	NA
Hexachlorocyclopentadiene	µg/kg	NE	420000	5900000	NA	NA	370 U	390 U	NA
Hexachloroethane	µg/kg	NE	35000	180000	NA	NA	370 U	390 U	NA
Indeno[1,2,3-cd]pyrene	µg/kg	21	620	2900	NA	NA	75 U B	390 U B	NA
N-Nitrosodi-n-propylamine	µg/kg	NE	69	350	NA	NA	75 U Y	290 U Y	NA
N-Nitrosodiphenylamine	µg/kg	NE	99000	500000	NA	NA	370 U	390 U	NA
Naphthalene	µg/kg	NE	56000	190000	NA	NA	370 U	390 U	NA
Nitrobenzene	µg/kg	NE	20000	110000	NA	NA	370 U	390 U	NA
Pentachlorophenol	µg/kg	NE	3000	11000	NA	NA	370 U	970 U	NA
Phenanthrene	µg/kg	18	NE	NE	NA	NA	370 U B	390 U B	NA
Phenol	µg/kg	NE	37000000	100000000	NA	NA	370 U	390 U	NA
Pyrene	µg/kg	41	2300000	54000000	NA	NA	370 U B	390 U B	NA
EPA 6010B									
Aluminum	mg/kg	14800	76000	100000	10700	14200	NA	NA	19900 B
Antimony	mg/kg	3.06	31	820	11.3 UJ B	11.6 UJ B	NA	NA	12.6 UJ B

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2797		18609-2798		18609-2938	18609-2939	18609-2799	
Location Code					TAA297-SB01		TAA297-SB01		TAA297-SB01A	TAA297-SB01A	TAA297-SB02	
Date Sampled					02/09/00		02/09/00		04/06/00	04/06/00	02/09/00	
Depth (feet below ground surface)					1.5		3.0		1.5	3.0	1.5	
	Unit	Background	Residential PRG	Industrial PRG								
Arsenic	mg/kg	6.86	0.39 *	2.7 *	4.83	Y X	2.98	Y X	NA	NA	3.25	Y X
Barium	mg/kg	173	5400	100000	86 U		139 J		NA	NA	182 J	B
Beryllium	mg/kg	0.669	150	2200	.299 U		.496 U		NA	NA	.698	B
Cadmium	mg/kg	2.35	37	810	1.13 U		1.16 U		NA	NA	1.26 U	
Calcium	mg/kg	46000	NE	NE	3790		4010		NA	NA	5470	
Chromium	mg/kg	26.9	210 **	450 **	19.2		12		NA	NA	15.5	
Cobalt	mg/kg	6.98	4700	100000	14.5	B	4.52		NA	NA	5.36	
Copper	mg/kg	10.5	2900	76000	6.78		7.87		NA	NA	11.7	B
Iron	mg/kg	18400	23000	100000	14500		15500		NA	NA	20500	B
Lead	mg/kg	15.1	400	750	11.4 J		2.7 J		NA	NA	4.77 J	
Magnesium	mg/kg	8370	NE	NE	5990		6360		NA	NA	9190	B
Manganese	mg/kg	291	1800	32000	213 J		270 J		NA	NA	256 J	
Molybdenum	mg/kg	NE	390	10000	2.25 U		2.32 U		NA	NA	2.52 U	
Nickel	mg/kg	15.3	150 ***	41000	9.44		7.83		NA	NA	10.1	
Potassium	mg/kg	4890	NE	NE	4080		4820		NA	NA	6270	B
Selenium	mg/kg	0.32	390	10000	1.13 U	B	1.16 U	B	NA	NA	1.26 U	B
Silver	mg/kg	0.539	390	10000	2.25 U	B	2.32 U	B	NA	NA	2.52 U	B
Sodium	mg/kg	405	NE	NE	564 U	B	579 U	B	NA	NA	631 U	B
Thallium	mg/kg	0.42	5.2	130	1.13 U	B	1.16 U	B	NA	NA	1.26 U	B
Vanadium	mg/kg	71.8	550	14000	38.7 J		35.5		NA	NA	47.5	
Zinc	mg/kg	77.9	23000	100000	42.2 J		46 J		NA	NA	63.9 J	
EPA 7471A												
Mercury	mg/kg	0.22	23	610	.113 U		.116 U		NA	NA	.126 U	

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2800	18609-2940	18609-2941	18609-2801	18609-2802
Location Code					TAA297-SB02	TAA297-SB02A	TAA297-SB02A	TAA297-SB03	TAA297-SB03
Date Sampled					02/09/00	04/06/00	04/06/00	02/09/00	02/09/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
CA LUFT 8015M									
TPH as Diesel	mg/kg	NE	NE	NE	3600	NA	NA	2100	4400
TPH as Gasoline	mg/kg	NE	NE	NE	2500	NA	NA	2500	3900
EPA 8081									
4,4'-DDD	mg/kg	0.0361	2.4 *	17 *	.0036 U	NA	NA	.0022 J	NA
4,4'-DDE	mg/kg	0.145	1.7 *	12 *	.051 U	NA	NA	.046 U	NA
4,4'-DDT	mg/kg	0.236	1.7 *	12 *	.0036 U	NA	NA	.0033 U	NA
Aldrin	mg/kg	NE	0.029	0.15	.018 U	NA	NA	.017 U	NA
NE - not established	mg/kg	NE	0.09	0.59	.0023 U	NA	NA	.0021 U	NA
alpha-Chlordane	mg/kg	0.00224	1.6	11	.018 U B	NA	NA	.017 U B	NA
Beta-BHC	mg/kg	NE	0.32	2.1	.04 U	NA	NA	.036 U	NA
Delta-BHC	mg/kg	NE	NE	NE	.013 U	NA	NA	.012 U	NA
Dieldrin	mg/kg	0.0199	0.03	0.15	.042 U B Y	NA	NA	.039 U B Y	NA
Endosulfan I	mg/kg	0.000179	370	5300	.025 U B	NA	NA	.023 U B	NA
Endosulfan II	mg/kg	0.00222	370	5300	.029 U B	NA	NA	.027 U B	NA
Endosulfan sulfate	mg/kg	0.0031	NE	NE	.043 U B	NA	NA	.04 U B	NA
Endrin	mg/kg	0.00222	18	260	.043 U B	NA	NA	.04 U B	NA
Endrin aldehyde	mg/kg	0.00222	NE	NE	.019 U B	NA	NA	.018 U B	NA
gamma-BHC	mg/kg	NE	0.44	2.9	.024 U	NA	NA	.022 U	NA
gamma-Chlordane	mg/kg	0.0027	1.6	11	.018 U B	NA	NA	.017 U B	NA
Heptachlor	mg/kg	NE	0.11	0.55	.024 U	NA	NA	.022 U	NA
Heptachlor epoxide	mg/kg	NE	0.053	0.27	.025 U	NA	NA	.023 U	NA
Methoxychlor	mg/kg	NE	310	4400	.069 UJ	NA	NA	.063 UJ	NA
Toxaphene	mg/kg	NE	0.44	2.2	.85 U Y	NA	NA	.77 U Y	NA
EPA 8260A									
1,1,1-Trichloroethane	µg/kg	NE	630000	1400000	6.4 U	NA	NA	5.2 U	6.9 U
1,1,2,2-Tetrachloroethane	µg/kg	NE	380	900	6.4 U	NA	NA	5.2 UJ	6.9 U
1,1,2-Trichloroethane	µg/kg	NE	840	1900	6.4 U	NA	NA	5.2 U	6.9 U
1,1-Dichloroethane	µg/kg	NE	3300 *	7100 *	6.4 U	NA	NA	5.2 U	6.9 U
1,1-Dichloroethene	µg/kg	NE	54	120	6.4 U	NA	NA	5.2 U	6.9 U
1,2-Dichloroethane	µg/kg	NE	350	760	6.4 U	NA	NA	5.2 U	6.9 U
1,2-Dichloropropane	µg/kg	NE	350	770	6.4 U	NA	NA	5.2 U	6.9 U

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification Location Code Date Sampled Depth (feet below ground surface)					18609-2800 TAA297-SB02 02/09/00 3.0	18609-2940 TAA297-SB02A 04/06/00 1.5	18609-2941 TAA297-SB02A 04/06/00 3.0	18609-2801 TAA297-SB03 02/09/00 1.5	18609-2802 TAA297-SB03 02/09/00 3.0
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
2-Butanone (MEK)	µg/kg	NE	7300000	28000000	21 J	NA	NA	52 U	27 J
2-Chloroethyl vinyl ether	µg/kg	NE	NE	NE	64 U	NA	NA	52 U	69 U
2-Hexanone	µg/kg	NE	NE	NE	64 U	NA	NA	52 UJ	69 U
4-Methyl-2-pentanone (MIBK)	µg/kg	NE	790000	2900000	64 U	NA	NA	52 U	69 U
Acetone	µg/kg	NE	1600000	6200000	55 J	NA	NA	46 J	77
Benzene	µg/kg	NE	650 *	1500 *	6.4 U	NA	NA	5.2 U	6.9 U
Bromodichloromethane	µg/kg	NE	1000	2400	6.4 U	NA	NA	5.2 U	6.9 U
Bromoform	µg/kg	NE	62000	310000	6.4 U	NA	NA	5.2 UJ	6.9 U
Bromomethane	µg/kg	NE	3900	13000	6.4 U	NA	NA	5.2 U	6.9 U
Carbon disulfide	µg/kg	NE	360000	720000	6.4 U	NA	NA	5.2 U	6.9 U
Carbon tetrachloride	µg/kg	NE	240	530	6.4 U	NA	NA	5.2 U	6.9 U
Chlorobenzene	µg/kg	NE	150000	540000	6.4 U	NA	NA	5.2 UJ	6.9 U
Chloroethane	µg/kg	NE	3000	6500	6.4 U	NA	NA	5.2 U	6.9 U
Chloroform	µg/kg	NE	240	520	6.4 U	NA	NA	5.2 U	6.9 U
Chloromethane	µg/kg	NE	1200	2700	6.4 U	NA	NA	5.2 U	6.9 U
cis-1,2-Dichloroethene	µg/kg	NE	43000	150000	6.4 U	NA	NA	5.2 U	6.9 U
cis-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	6.4 U	NA	NA	5.2 U	6.9 U
Dibromochloromethane	µg/kg	NE	1100	2700	6.4 U	NA	NA	5.2 U	6.9 U
Ethylbenzene	µg/kg	NE	230000	230000	7.5	NA	NA	5.2 UJ	4.1 J
Methyl tert-butyl ether (MTBE)	µg/kg	NE	17000 *	37000 *	13 U	NA	NA	10 U	14 U
Methylene chloride	µg/kg	NE	8900	21000	6.4 U	NA	NA	5.2 U	6.9 U
Styrene	µg/kg	NE	1700000	1700000	6.4 U	NA	NA	5.2 UJ	6.9 U
Tetrachloroethene	µg/kg	NE	5700	19000	6.4 U	NA	NA	5.2 UJ	6.9 U
Toluene	µg/kg	NE	520000	520000	6.4 U	NA	NA	5.2 U	6.9 U
trans-1,2-Dichloroethene	µg/kg	NE	63000	210000	6.4 U	NA	NA	5.2 U	6.9 U
trans-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	6.4 U	NA	NA	5.2 U	6.9 U
Trichloroethene	µg/kg	NE	2800	6100	6.4 U	NA	NA	5.2 U	6.9 U
Vinyl acetate	µg/kg	NE	430000	1400000	64 U	NA	NA	52 U	69 U
Vinyl chloride	µg/kg	NE	150 *	830 *	6.4 U	NA	NA	5.2 U	6.9 U
Xylenes (total)	µg/kg	NE	210000	210000	6.4 U	NA	NA	11 J	6.9 U
EPA 8270B									
1,2,4-Trichlorobenzene	µg/kg	NE	650000	3000000	NA	820 U	810 U	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2800	18609-2940	18609-2941	18609-2801	18609-2802
Location Code					TAA297-SB02	TAA297-SB02A	TAA297-SB02A	TAA297-SB03	TAA297-SB03
Date Sampled					02/09/00	04/06/00	04/06/00	02/09/00	02/09/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
1,2-Dichlorobenzene	µg/kg	NE	370000	370000	NA	820 U	810 U	NA	NA
1,3-Dichlorobenzene	µg/kg	NE	13000	52000	NA	820 U	810 U	NA	NA
1,4-Dichlorobenzene	µg/kg	NE	3400	8100	NA	820 U	810 U	NA	NA
2,4,5-Trichlorophenol	µg/kg	NE	6100000	88000000	NA	2100 U	2000 U	NA	NA
2,4,6-Trichlorophenol	µg/kg	NE	44000	220000	NA	820 U	810 U	NA	NA
2,4-Dichlorophenol	µg/kg	NE	180000	2600000	NA	820 U	810 U	NA	NA
2,4-Dimethylphenol	µg/kg	NE	1200000	18000000	NA	820 U	810 U	NA	NA
2,4-Dinitrophenol	µg/kg	NE	120000	1800000	NA	2100 U	2000 U	NA	NA
2,4-Dinitrotoluene	µg/kg	NE	120000	1800000	NA	820 U	810 U	NA	NA
2,6-Dinitrotoluene	µg/kg	NE	61000	880000	NA	820 U	810 U	NA	NA
2-Chloronaphthalene	µg/kg	NE	3900000	27000000	NA	820 U	810 U	NA	NA
2-Chlorophenol	µg/kg	NE	63000	240000	NA	820 U	810 U	NA	NA
2-Methyl-4,6-dinitrophenol	µg/kg	NE	NE	NE	NA	2100 U	2000 U	NA	NA
2-Methylnaphthalene	µg/kg	NE	NE	NE	NA	24000 J	15000 J	NA	NA
2-Methylphenol	µg/kg	NE	3100000	44000000	NA	820 U	810 U	NA	NA
2-Nitroaniline	µg/kg	NE	3500	50000	NA	2100 U	2000 U	NA	NA
2-Nitrophenol	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
3,3'-Dichlorobenzidine	µg/kg	NE	1100	5500	NA	820 U	810 U	NA	NA
3-Methyl-4-chlorophenol	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
3-Nitroaniline	µg/kg	NE	NE	NE	NA	2100 U	2000 U	NA	NA
4-Bromophenyl phenyl ether	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
4-Chloroaniline	µg/kg	NE	240000	3500000	NA	820 U	810 U	NA	NA
4-Chlorophenyl phenyl ether	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
4-Methylphenol	µg/kg	NE	310000	4400000	NA	820 U	810 U	NA	NA
4-Nitroaniline	µg/kg	NE	NE	NE	NA	2100 U	2000 U	NA	NA
4-Nitrophenol	µg/kg	NE	490000	7000000	NA	2100 U	2000 U	NA	NA
Acenaphthene	µg/kg	NE	3700000	38000000	NA	820 U	810 U	NA	NA
Acenaphthylene	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
Anthracene	µg/kg	NE	22000000	100000000	NA	820 U	810 U	NA	NA
Benzo[a]anthracene	µg/kg	22	620	2900	NA	820 U B Y	810 U B Y	NA	NA
Benzo[a]pyrene	µg/kg	27	62	290	NA	410 U B Y X	410 U B Y X	NA	NA
Benzo[b]fluoranthene	µg/kg	28	620	2900	NA	820 UJ B Y	810 U B Y	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2800	18609-2940	18609-2941	18609-2801	18609-2802
Location Code					TAA297-SB02	TAA297-SB02A	TAA297-SB02A	TAA297-SB03	TAA297-SB03
Date Sampled					02/09/00	04/06/00	04/06/00	02/09/00	02/09/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
Benzo[ghi]perylene	µg/kg	NE	NE	NE	NA	820 UJ	810 U	NA	NA
Benzo[k]fluoranthene	µg/kg	24	6200	29000	NA	820 UJ B	810 U B	NA	NA
Bis (2-chloroethoxy)methane	µg/kg	NE	NE	NE	NA	820 U	810 U	NA	NA
Bis (2-chloroethyl)ether	µg/kg	NE	210	620	NA	410 U Y	410 U Y	NA	NA
Bis (2-chloroisopropyl)ether	µg/kg	NE	2900	8100	NA	820 U	810 U	NA	NA
Bis (2-ethylhexyl)phthalate	µg/kg	NE	35000	180000	NA	820 U	810 U	NA	NA
Butyl benzyl phthalate	µg/kg	NE	12000000	100000000	NA	820 U	810 U	NA	NA
Chrysene	µg/kg	31	6100	290000	NA	820 U B	810 U B	NA	NA
Di-n-butyl phthalate	µg/kg	NE	6100000	88000000	NA	820 U	810 U	NA	NA
Di-n-octyl phthalate	µg/kg	NE	1200000	10000000	NA	820 UJ	810 U	NA	NA
Dibenz[a,h]anthracene	µg/kg	8	62	290	NA	410 UJ B Y	410 U B Y X	NA	NA
Dibenzofuran	µg/kg	NE	290000	5100000	NA	820 U	810 U	NA	NA
Diethyl phthalate	µg/kg	NE	49000	100000	NA	820 U	810 U	NA	NA
Dimethyl phthalate	µg/kg	NE	100000000	100000000	NA	820 U	810 U	NA	NA
Fluoranthene	µg/kg	45	2300000	30000000	NA	820 U B	810 U B	NA	NA
Fluorene	µg/kg	NE	2600000	33000000	NA	820 U	810 U	NA	NA
Hexachlorobenzene	µg/kg	NE	300	1500	NA	410 U Y	410 U Y	NA	NA
Hexachlorobutadiene	µg/kg	NE	6200	32000	NA	820 U	810 U	NA	NA
Hexachlorocyclopentadiene	µg/kg	NE	420000	5900000	NA	820 U	810 U	NA	NA
Hexachloroethane	µg/kg	NE	35000	180000	NA	820 U	810 U	NA	NA
Indeno[1,2,3-cd]pyrene	µg/kg	21	620	2900	NA	410 UJ B	410 U B	NA	NA
N-Nitrosodi-n-propylamine	µg/kg	NE	69	350	NA	410 U Y X	410 U Y X	NA	NA
N-Nitrosodiphenylamine	µg/kg	NE	99000	500000	NA	NA	810 U	NA	NA
Naphthalene	µg/kg	NE	56000	190000	NA	9100	5800	NA	NA
Nitrobenzene	µg/kg	NE	20000	110000	NA	820 U	810 U	NA	NA
Pentachlorophenol	µg/kg	NE	3000	11000	NA	2000 U	2000 U	NA	NA
Phenanthrene	µg/kg	18	NE	NE	NA	820 U B	810 U B	NA	NA
Phenol	µg/kg	NE	37000000	100000000	NA	820 U	810 U	NA	NA
Pyrene	µg/kg	41	2300000	54000000	NA	820 U B	810 U B	NA	NA
EPA 6010B									
Aluminum	mg/kg	14800	76000	100000	18200 B	NA	NA	14500	15700 B
Antimony	mg/kg	3.06	31	820	12.1 UJ B	NA	NA	11 UJ B	12.2 UJ B

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2800		18609-2940	18609-2941	18609-2801		18609-2802	
Location Code					TAA297-SB02		TAA297-SB02A	TAA297-SB02A	TAA297-SB03		TAA297-SB03	
Date Sampled					02/09/00		04/06/00	04/06/00	02/09/00		02/09/00	
Depth (feet below ground surface)					3.0		1.5	3.0	1.5		3.0	
	Unit	Background	Residential PRG	Industrial PRG								
Arsenic	mg/kg	6.86	0.39 *	2.7 *	4.45	Y X	NA	NA	3.81	Y X	3.14	Y X
Barium	mg/kg	173	5400	100000	169 J		NA	NA	134 J		144 J	
Beryllium	mg/kg	0.669	150	2200	.635 U		NA	NA	.473 U		.548 U	
Cadmium	mg/kg	2.35	37	810	1.21 U		NA	NA	1.1 U		1.22 U	
Calcium	mg/kg	46000	NE	NE	5130		NA	NA	4470		4730	
Chromium	mg/kg	26.9	210 **	450 **	17.4		NA	NA	16.8		13.6	
Cobalt	mg/kg	6.98	4700	100000	7.64	B	NA	NA	5.88		4.35	
Copper	mg/kg	10.5	2900	76000	11.3	B	NA	NA	10.1		10.8	B
Iron	mg/kg	18400	23000	100000	20700	B	NA	NA	17200		16000	
Lead	mg/kg	15.1	400	750	4.79 J		NA	NA	7.25 J		3.13 J	
Magnesium	mg/kg	8370	NE	NE	8610	B	NA	NA	6950		6840	
Manganese	mg/kg	291	1800	32000	256 J		NA	NA	248 J		198 J	
Molybdenum	mg/kg	NE	390	10000	2.42 U		NA	NA	2.21 U		2.44 U	
Nickel	mg/kg	15.3	150 ***	41000	10.2		NA	NA	9.69		7.78	
Potassium	mg/kg	4890	NE	NE	6320	B	NA	NA	5020	B	4820	
Selenium	mg/kg	0.32	390	10000	1.21 U	B	NA	NA	1.1 U	B	1.22 U	B
Silver	mg/kg	0.539	390	10000	2.42 U	B	NA	NA	2.21 U	B	2.44 U	B
Sodium	mg/kg	405	NE	NE	604 U	B	NA	NA	552 U	B	611 U	B
Thallium	mg/kg	0.42	5.2	130	1.21 U	B	NA	NA	1.1 U	B	1.22 U	B
Vanadium	mg/kg	71.8	550	14000	47.4		NA	NA	42.5		39.6	
Zinc	mg/kg	77.9	23000	100000	63.4 J		NA	NA	52.3 J		49.6 J	
EPA 7471A												
Mercury	mg/kg	0.22	23	610	.121 U		NA	NA	.11 U		.122 U	

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2942	18609-2943	18609-2803	18609-2804 (Dup)	18609-2805
Location Code					TAA297-SB03A	TAA297-SB03A	TAA297-SB04	TAA297-SB04	TAA297-SB04
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	2.0	3.0
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
CA LUFT 8015M									
TPH as Diesel	mg/kg	NE	NE	NE	NA	NA	46	2100	310
TPH as Gasoline	mg/kg	NE	NE	NE	NA	NA	1.12 U	1.11 U	NA
EPA 8081									
4,4'-DDD	mg/kg	0.0361	2.4 *	17 *	NA	NA	.0034 U	.0033 U	.0035 U
4,4'-DDE	mg/kg	0.145	1.7 *	12 *	NA	NA	.047 U	.047 U	.049 U
4,4'-DDT	mg/kg	0.236	1.7 *	12 *	NA	NA	.0034 U	.0033 U	.0035 U
Aldrin	mg/kg	NE	0.029	0.15	NA	NA	.017 U	.017 U	.018 U
NE - not established	mg/kg	NE	0.09	0.59	NA	NA	.0021 U	.0021 U	.0022 U
alpha-Chlordane	mg/kg	0.00224	1.6	11	NA	NA	.017 U B	.017 U B	.018 U B
Beta-BHC	mg/kg	NE	0.32	2.1	NA	NA	.037 U	.037 U	.039 U
Delta-BHC	mg/kg	NE	NE	NE	NA	NA	.012 U	.012 U	.013 U
Dieldrin	mg/kg	0.0199	0.03	0.15	NA	NA	.039 U B Y	.039 U B Y	.041 U B Y
Endosulfan I	mg/kg	0.000179	370	5300	NA	NA	.023 U B	.023 U B	.025 U B
Endosulfan II	mg/kg	0.00222	370	5300	NA	NA	.027 U B	.027 U B	.028 U B
Endosulfan sulfate	mg/kg	0.0031	NE	NE	NA	NA	.04 U B	.04 U B	.042 U B
Endrin	mg/kg	0.00222	18	260	NA	NA	.04 U B	.04 U B	.042 U B
Endrin aldehyde	mg/kg	0.00222	NE	NE	NA	NA	.018 U B	.018 U B	.019 U B
gamma-BHC	mg/kg	NE	0.44	2.9	NA	NA	.022 U	.022 U	.024 U
gamma-Chlordane	mg/kg	0.0027	1.6	11	NA	NA	.017 U B	.017 U B	.018 U B
Heptachlor	mg/kg	NE	0.11	0.55	NA	NA	.022 U	.022 U	.024 U
Heptachlor epoxide	mg/kg	NE	0.053	0.27	NA	NA	.023 U	.023 U	.025 U
Methoxychlor	mg/kg	NE	310	4400	NA	NA	.064 UJ	.064 UJ	.067 UJ
Toxaphene	mg/kg	NE	0.44	2.2	NA	NA	.78 U Y	.78 U Y	.82 U Y
EPA 8260A									
1,1,1-Trichloroethane	µg/kg	NE	630000	1400000	NA	NA	6.1 U	6.1 U	NA
1,1,2,2-Tetrachloroethane	µg/kg	NE	380	900	NA	NA	6.1 U	6.1 U	NA
1,1,2-Trichloroethane	µg/kg	NE	840	1900	NA	NA	6.1 U	6.1 U	NA
1,1-Dichloroethane	µg/kg	NE	3300 *	7100 *	NA	NA	6.1 U	6.1 U	NA
1,1-Dichloroethene	µg/kg	NE	54	120	NA	NA	6.1 U	6.1 U	NA
1,2-Dichloroethane	µg/kg	NE	350	760	NA	NA	6.1 U	6.1 U	NA
1,2-Dichloropropane	µg/kg	NE	350	770	NA	NA	6.1 U	6.1 U	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2942	18609-2943	18609-2803	18609-2804 (Dup)	18609-2805
Location Code					TAA297-SB03A	TAA297-SB03A	TAA297-SB04	TAA297-SB04	TAA297-SB04
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	2.0	3.0
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
2-Butanone (MEK)	µg/kg	NE	7300000	28000000	NA	NA	61 U	61 U	NA
2-Chloroethyl vinyl ether	µg/kg	NE	NE	NE	NA	NA	61 U	61 U	NA
2-Hexanone	µg/kg	NE	NE	NE	NA	NA	61 U	61 U	NA
4-Methyl-2-pentanone (MIBK)	µg/kg	NE	790000	2900000	NA	NA	61 U	61 U	NA
Acetone	µg/kg	NE	1600000	6200000	NA	NA	61 U	21 J	NA
Benzene	µg/kg	NE	650 *	1500 *	NA	NA	6.1 U	6.1 U	NA
Bromodichloromethane	µg/kg	NE	1000	2400	NA	NA	6.1 U	6.1 U	NA
Bromoform	µg/kg	NE	62000	310000	NA	NA	6.1 U	6.1 U	NA
Bromomethane	µg/kg	NE	3900	13000	NA	NA	6.1 U	6.1 U	NA
Carbon disulfide	µg/kg	NE	360000	720000	NA	NA	6.1 U	6.1 U	NA
Carbon tetrachloride	µg/kg	NE	240	530	NA	NA	6.1 U	6.1 U	NA
Chlorobenzene	µg/kg	NE	150000	540000	NA	NA	6.1 U	6.1 U	NA
Chloroethane	µg/kg	NE	3000	6500	NA	NA	6.1 U	6.1 U	NA
Chloroform	µg/kg	NE	240	520	NA	NA	6.1 U	6.1 U	NA
Chloromethane	µg/kg	NE	1200	2700	NA	NA	6.1 U	6.1 U	NA
cis-1,2-Dichloroethene	µg/kg	NE	43000	150000	NA	NA	6.1 U	6.1 U	NA
cis-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	NA	6.1 U	6.1 U	NA
Dibromochloromethane	µg/kg	NE	1100	2700	NA	NA	6.1 U	6.1 U	NA
Ethylbenzene	µg/kg	NE	230000	230000	NA	NA	6.1 U	6.1 U	NA
Methyl tert-butyl ether (MTBE)	µg/kg	NE	17000 *	37000 *	NA	NA	12 U	12 U	NA
Methylene chloride	µg/kg	NE	8900	21000	NA	NA	6.1 U	6.1 U	NA
Styrene	µg/kg	NE	1700000	1700000	NA	NA	6.1 U	6.1 U	NA
Tetrachloroethene	µg/kg	NE	5700	19000	NA	NA	6.1 U	6.1 U	NA
Toluene	µg/kg	NE	520000	520000	NA	NA	6.1 U	6.1 U	NA
trans-1,2-Dichloroethene	µg/kg	NE	63000	210000	NA	NA	6.1 U	6.1 U	NA
trans-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	NA	6.1 U	6.1 U	NA
Trichloroethene	µg/kg	NE	2800	6100	NA	NA	6.1 U	6.1 U	NA
Vinyl acetate	µg/kg	NE	430000	1400000	NA	NA	61 U	61 U	NA
Vinyl chloride	µg/kg	NE	150 *	830 *	NA	NA	6.1 U	6.1 U	NA
Xylenes (total)	µg/kg	NE	210000	210000	NA	NA	6.1 U	6.1 U	NA
EPA 8270B									
1,2,4-Trichlorobenzene	µg/kg	NE	650000	3000000	400 U	380 U	NA	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2942		18609-2943		18609-2803	18609-2804 (Dup)	18609-2805
Location Code					TAA297-SB03A		TAA297-SB03A		TAA297-SB04	TAA297-SB04	TAA297-SB04
Date Sampled					04/06/00		04/06/00		02/09/00	02/09/00	02/09/00
Depth (feet below ground surface)					1.5		3.0		1.5	2.0	3.0
	Unit	Background	Residential PRG	Industrial PRG							
1,2-Dichlorobenzene	µg/kg	NE	370000	370000	400 U		380 U		NA	NA	NA
1,3-Dichlorobenzene	µg/kg	NE	13000	52000	400 U		380 U		NA	NA	NA
1,4-Dichlorobenzene	µg/kg	NE	3400	8100	400 U		380 U		NA	NA	NA
2,4,5-Trichlorophenol	µg/kg	NE	6100000	88000000	1000 U		970 U		NA	NA	NA
2,4,6-Trichlorophenol	µg/kg	NE	44000	220000	400 U		380 U		NA	NA	NA
2,4-Dichlorophenol	µg/kg	NE	180000	2600000	400 U		380 U		NA	NA	NA
2,4-Dimethylphenol	µg/kg	NE	1200000	18000000	400 U		380 U		NA	NA	NA
2,4-Dinitrophenol	µg/kg	NE	120000	1800000	1000 U		970 U		NA	NA	NA
2,4-Dinitrotoluene	µg/kg	NE	120000	1800000	400 U		380 U		NA	NA	NA
2,6-Dinitrotoluene	µg/kg	NE	61000	880000	400 U		380 U		NA	NA	NA
2-Chloronaphthalene	µg/kg	NE	3900000	27000000	400 U		380 U		NA	NA	NA
2-Chlorophenol	µg/kg	NE	63000	240000	400 U		380 U		NA	NA	NA
2-Methyl-4,6-dinitrophenol	µg/kg	NE	NE	NE	1000 U		970 U		NA	NA	NA
2-Methylnaphthalene	µg/kg	NE	NE	NE	11000 J		5200		NA	NA	NA
2-Methylphenol	µg/kg	NE	3100000	44000000	400 U		380 U		NA	NA	NA
2-Nitroaniline	µg/kg	NE	3500	50000	1000 U		970 U		NA	NA	NA
2-Nitrophenol	µg/kg	NE	NE	NE	400 U		380 U		NA	NA	NA
3,3'-Dichlorobenzidine	µg/kg	NE	1100	5500	400 U		380 U		NA	NA	NA
3-Methyl-4-chlorophenol	µg/kg	NE	NE	NE	400 U		380 U		NA	NA	NA
3-Nitroaniline	µg/kg	NE	NE	NE	1000 U		970 U		NA	NA	NA
4-Bromophenyl phenyl ether	µg/kg	NE	NE	NE	400 U		380 U		NA	NA	NA
4-Chloroaniline	µg/kg	NE	240000	3500000	400 U		380 U		NA	NA	NA
4-Chlorophenyl phenyl ether	µg/kg	NE	NE	NE	400 U		380 U		NA	NA	NA
4-Methylphenol	µg/kg	NE	310000	4400000	400 U		380 U		NA	NA	NA
4-Nitroaniline	µg/kg	NE	NE	NE	1000 U		970 U		NA	NA	NA
4-Nitrophenol	µg/kg	NE	490000	7000000	1000 U		970 U		NA	NA	NA
Acenaphthene	µg/kg	NE	3700000	38000000	400 U		380 U		NA	NA	NA
Acenaphthylene	µg/kg	NE	NE	NE	400 U		380 U		NA	NA	NA
Anthracene	µg/kg	NE	22000000	100000000	400 U		380 U		NA	NA	NA
Benzo[a]anthracene	µg/kg	22	620	2900	400 U	B	380 U	B	NA	NA	NA
Benzo[a]pyrene	µg/kg	27	62	290	400 U	B Y X	190 U	B Y	NA	NA	NA
Benzo[b]fluoranthene	µg/kg	28	620	2900	400 U	B	380 U	B	NA	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2942	18609-2943	18609-2803	18609-2804 (Dup)	18609-2805
Location Code					TAA297-SB03A	TAA297-SB03A	TAA297-SB04	TAA297-SB04	TAA297-SB04
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	2.0	3.0
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
Benzo[ghi]perylene	µg/kg	NE	NE	NE	400 U	380 U	NA	NA	NA
Benzo[k]fluoranthene	µg/kg	24	6200	29000	400 U B	380 U B	NA	NA	NA
Bis (2-chloroethoxy)methane	µg/kg	NE	NE	NE	400 U	380 U	NA	NA	NA
Bis (2-chloroethyl)ether	µg/kg	NE	210	620	400 U Y	190 U	NA	NA	NA
Bis (2-chloroisopropyl)ether	µg/kg	NE	2900	8100	400 U	380 U	NA	NA	NA
Bis (2-ethylhexyl)phthalate	µg/kg	NE	35000	180000	400 U	380 U	NA	NA	NA
Butyl benzyl phthalate	µg/kg	NE	12000000	100000000	400 U	380 U	NA	NA	NA
Chrysene	µg/kg	31	6100	290000	400 U B	380 U B	NA	NA	NA
Di-n-butyl phthalate	µg/kg	NE	6100000	88000000	400 U	170 J	NA	NA	NA
Di-n-octyl phthalate	µg/kg	NE	1200000	10000000	400 U	380 U	NA	NA	NA
Dibenz[a,h]anthracene	µg/kg	8	62	290	400 U B Y X	190 U B Y	NA	NA	NA
Dibenzofuran	µg/kg	NE	290000	5100000	400 U	380 U	NA	NA	NA
Diethyl phthalate	µg/kg	NE	49000	100000	400 U	380 U	NA	NA	NA
Dimethyl phthalate	µg/kg	NE	100000000	100000000	400 U	380 U	NA	NA	NA
Fluoranthene	µg/kg	45	2300000	30000000	400 U B	380 U B	NA	NA	NA
Fluorene	µg/kg	NE	2600000	33000000	400 U	380 U	NA	NA	NA
Hexachlorobenzene	µg/kg	NE	300	1500	400 U Y	190 U	NA	NA	NA
Hexachlorobutadiene	µg/kg	NE	6200	32000	400 U	380 U	NA	NA	NA
Hexachlorocyclopentadiene	µg/kg	NE	420000	5900000	400 U	380 U	NA	NA	NA
Hexachloroethane	µg/kg	NE	35000	180000	400 U	380 U	NA	NA	NA
Indeno[1,2,3-cd]pyrene	µg/kg	21	620	2900	400 U B	190 U B	NA	NA	NA
N-Nitrosodi-n-propylamine	µg/kg	NE	69	350	400 U Y X	190 U Y	NA	NA	NA
N-Nitrosodiphenylamine	µg/kg	NE	99000	500000	400 U	380 U	NA	NA	NA
Naphthalene	µg/kg	NE	56000	190000	3500	1500	NA	NA	NA
Nitrobenzene	µg/kg	NE	20000	110000	400 U	380 U	NA	NA	NA
Pentachlorophenol	µg/kg	NE	3000	11000	2000 U	960 U	NA	NA	NA
Phenanthrene	µg/kg	18	NE	NE	400 U B	380 U B	NA	NA	NA
Phenol	µg/kg	NE	37000000	100000000	400 U	380 U	NA	NA	NA
Pyrene	µg/kg	41	2300000	54000000	400 U B	380 U B	NA	NA	NA
EPA 6010B									
Aluminum	mg/kg	14800	76000	100000	NA	NA	9600	9850	13500
Antimony	mg/kg	3.06	31	820	NA	NA	11.2 UJ B	11.1 UJ B	11.8 UJ B

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2942	18609-2943	18609-2803	18609-2804 (Dup)	18609-2805
Location Code					TAA297-SB03A	TAA297-SB03A	TAA297-SB04	TAA297-SB04	TAA297-SB04
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	02/09/00
Depth (feet below ground surface)					1.5	3.0	1.5	2.0	3.0
	Unit	Background	Residential PRG	Industrial PRG					
Arsenic	mg/kg	6.86	0.39 *	2.7 *	NA	NA	3.72 Y X	3.45 Y X	3.82 Y X
Barium	mg/kg	173	5400	100000	NA	NA	109 J	107 J	134 J
Beryllium	mg/kg	0.669	150	2200	NA	NA	.341 U	.311 U	.454 U
Cadmium	mg/kg	2.35	37	810	NA	NA	1.12 U	1.11 U	1.18 U
Calcium	mg/kg	46000	NE	NE	NA	NA	3270	3210	3650
Chromium	mg/kg	26.9	210 **	450 **	NA	NA	9.7	12.5	11.5
Cobalt	mg/kg	6.98	4700	100000	NA	NA	3.63	3.84	4.65
Copper	mg/kg	10.5	2900	76000	NA	NA	6.53	6.19	8.04
Iron	mg/kg	18400	23000	100000	NA	NA	11700	12500	14800
Lead	mg/kg	15.1	400	750	NA	NA	5.8 J	11.2 J	6.11 J
Magnesium	mg/kg	8370	NE	NE	NA	NA	4540	4900	5970
Manganese	mg/kg	291	1800	32000	NA	NA	211 J	188 J	268 J
Molybdenum	mg/kg	NE	390	10000	NA	NA	2.23 U	2.23 U	2.35 U
Nickel	mg/kg	15.3	150 ***	41000	NA	NA	6.87	6.72	6.88
Potassium	mg/kg	4890	NE	NE	NA	NA	3400	3560	4560
Selenium	mg/kg	0.32	390	10000	NA	NA	1.12 U B	1.11 U B	1.18 U B
Silver	mg/kg	0.539	390	10000	NA	NA	2.23 U B	2.23 U B	2.35 U B
Sodium	mg/kg	405	NE	NE	NA	NA	559 U B	557 U B	588 U B
Thallium	mg/kg	0.42	5.2	130	NA	NA	1.12 U B	1.11 U B	1.18 U B
Vanadium	mg/kg	71.8	550	14000	NA	NA	28.5	31.1	34.7
Zinc	mg/kg	77.9	23000	100000	NA	NA	36.8 J	39.2 J	46.1 J
EPA 7471A									
Mercury	mg/kg	0.22	23	610	NA	NA	.112 U	.111 U	.118 U

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2944	18609-2945	18609-2806	18609-2807	18609-2946
Location Code					TAA297-SB04A	TAA297-SB04A	TAA297-SB05	TAA297-SB05	TAA297-SB05A
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	04/06/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
CA LUFT 8015M									
TPH as Diesel	mg/kg	NE	NE	NE	NA	NA	350	56	NA
TPH as Gasoline	mg/kg	NE	NE	NE	NA	NA	1.17 U	NA	NA
EPA 8081									
4,4'-DDD	mg/kg	0.0361	2.4 *	17 *	NA	NA	.0035 U	NA	NA
4,4'-DDE	mg/kg	0.145	1.7 *	12 *	NA	NA	.049 U	NA	NA
4,4'-DDT	mg/kg	0.236	1.7 *	12 *	NA	NA	.0035 U	NA	NA
Aldrin	mg/kg	NE	0.029	0.15	NA	NA	.018 U	NA	NA
NE - not established	mg/kg	NE	0.09	0.59	NA	NA	.0022 U	NA	NA
alpha-Chlordane	mg/kg	0.00224	1.6	11	NA	NA	.018 U B	NA	NA
Beta-BHC	mg/kg	NE	0.32	2.1	NA	NA	.039 U	NA	NA
Delta-BHC	mg/kg	NE	NE	NE	NA	NA	.013 U	NA	NA
Dieldrin	mg/kg	0.0199	0.03	0.15	NA	NA	.041 U B Y	NA	NA
Endosulfan I	mg/kg	0.000179	370	5300	NA	NA	.025 U B	NA	NA
Endosulfan II	mg/kg	0.00222	370	5300	NA	NA	.028 U B	NA	NA
Endosulfan sulfate	mg/kg	0.0031	NE	NE	NA	NA	.042 U B	NA	NA
Endrin	mg/kg	0.00222	18	260	NA	NA	.042 U B	NA	NA
Endrin aldehyde	mg/kg	0.00222	NE	NE	NA	NA	.019 U B	NA	NA
gamma-BHC	mg/kg	NE	0.44	2.9	NA	NA	.023 U	NA	NA
gamma-Chlordane	mg/kg	0.0027	1.6	11	NA	NA	.018 U B	NA	NA
Heptachlor	mg/kg	NE	0.11	0.55	NA	NA	.023 U	NA	NA
Heptachlor epoxide	mg/kg	NE	0.053	0.27	NA	NA	.025 U	NA	NA
Methoxychlor	mg/kg	NE	310	4400	NA	NA	.067 UJ	NA	NA
Toxaphene	mg/kg	NE	0.44	2.2	NA	NA	.82 U Y	NA	NA
EPA 8260A									
1,1,1-Trichloroethane	µg/kg	NE	630000	1400000	NA	NA	7.2 U	NA	NA
1,1,2,2-Tetrachloroethane	µg/kg	NE	380	900	NA	NA	7.2 U	NA	NA
1,1,2-Trichloroethane	µg/kg	NE	840	1900	NA	NA	7.2 U	NA	NA
1,1-Dichloroethane	µg/kg	NE	3300 *	7100 *	NA	NA	7.2 U	NA	NA
1,1-Dichloroethene	µg/kg	NE	54	120	NA	NA	7.2 U	NA	NA
1,2-Dichloroethane	µg/kg	NE	350	760	NA	NA	7.2 U	NA	NA
1,2-Dichloropropane	µg/kg	NE	350	770	NA	NA	7.2 U	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2944	18609-2945	18609-2806	18609-2807	18609-2946
Location Code					TAA297-SB04A	TAA297-SB04A	TAA297-SB05	TAA297-SB05	TAA297-SB05A
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	04/06/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	**Background**	**Residential PRG**	**Industrial PRG**					
2-Butanone (MEK)	µg/kg	NE	7300000	28000000	NA	NA	72 U	NA	NA
2-Chloroethyl vinyl ether	µg/kg	NE	NE	NE	NA	NA	72 U	NA	NA
2-Hexanone	µg/kg	NE	NE	NE	NA	NA	72 U	NA	NA
4-Methyl-2-pentanone (MIBK)	µg/kg	NE	790000	2900000	NA	NA	72 U	NA	NA
Acetone	µg/kg	NE	1600000	6200000	NA	NA	23 J	NA	NA
Benzene	µg/kg	NE	650 *	1500 *	NA	NA	7.2 U	NA	NA
Bromodichloromethane	µg/kg	NE	1000	2400	NA	NA	7.2 U	NA	NA
Bromoform	µg/kg	NE	62000	310000	NA	NA	7.2 U	NA	NA
Bromomethane	µg/kg	NE	3900	13000	NA	NA	7.2 U	NA	NA
Carbon disulfide	µg/kg	NE	360000	720000	NA	NA	7.2 U	NA	NA
Carbon tetrachloride	µg/kg	NE	240	530	NA	NA	7.2 U	NA	NA
Chlorobenzene	µg/kg	NE	150000	540000	NA	NA	7.2 U	NA	NA
Chloroethane	µg/kg	NE	3000	6500	NA	NA	7.2 U	NA	NA
Chloroform	µg/kg	NE	240	520	NA	NA	7.2 U	NA	NA
Chloromethane	µg/kg	NE	1200	2700	NA	NA	7.2 U	NA	NA
cis-1,2-Dichloroethene	µg/kg	NE	43000	150000	NA	NA	7.2 U	NA	NA
cis-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	NA	7.2 U	NA	NA
Dibromochloromethane	µg/kg	NE	1100	2700	NA	NA	7.2 U	NA	NA
Ethylbenzene	µg/kg	NE	230000	230000	NA	NA	7.2 U	NA	NA
Methyl tert-butyl ether (MTBE)	µg/kg	NE	17000 *	37000 *	NA	NA	14 U	NA	NA
Methylene chloride	µg/kg	NE	8900	21000	NA	NA	7.2 U	NA	NA
Styrene	µg/kg	NE	1700000	1700000	NA	NA	7.2 U	NA	NA
Tetrachloroethene	µg/kg	NE	5700	19000	NA	NA	7.2 U	NA	NA
Toluene	µg/kg	NE	520000	520000	NA	NA	7.2 U	NA	NA
trans-1,2-Dichloroethene	µg/kg	NE	63000	210000	NA	NA	7.2 U	NA	NA
trans-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	NA	7.2 U	NA	NA
Trichloroethene	µg/kg	NE	2800	6100	NA	NA	7.2 U	NA	NA
Vinyl acetate	µg/kg	NE	430000	1400000	NA	NA	72 U	NA	NA
Vinyl chloride	µg/kg	NE	150 *	830 *	NA	NA	7.2 U	NA	NA
Xylenes (total)	µg/kg	NE	210000	210000	NA	NA	7.2 U	NA	NA
EPA 8270B									
1,2,4-Trichlorobenzene	µg/kg	NE	650000	3000000	3600 U	370 U	NA	NA	390 U

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2944	18609-2945	18609-2806	18609-2807	18609-2946
Location Code					TAA297-SB04A	TAA297-SB04A	TAA297-SB05	TAA297-SB05	TAA297-SB05A
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	04/06/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
1,2-Dichlorobenzene	µg/kg	NE	370000	370000	3600 U	370 U	NA	NA	390 U
1,3-Dichlorobenzene	µg/kg	NE	13000	52000	3600 U	370 U	NA	NA	390 U
1,4-Dichlorobenzene	µg/kg	NE	3400	8100	3600 U Y	370 U	NA	NA	390 U
2,4,5-Trichlorophenol	µg/kg	NE	6100000	88000000	9200 U	940 U	NA	NA	990 U
2,4,6-Trichlorophenol	µg/kg	NE	44000	220000	3600 U	370 U	NA	NA	390 U
2,4-Dichlorophenol	µg/kg	NE	180000	2600000	3600 U	370 U	NA	NA	390 U
2,4-Dimethylphenol	µg/kg	NE	1200000	18000000	3600 U	370 U	NA	NA	390 U
2,4-Dinitrophenol	µg/kg	NE	120000	1800000	9200 U	940 U	NA	NA	990 U
2,4-Dinitrotoluene	µg/kg	NE	120000	1800000	3600 U	370 U	NA	NA	390 U
2,6-Dinitrotoluene	µg/kg	NE	61000	880000	3600 U	370 U	NA	NA	390 U
2-Chloronaphthalene	µg/kg	NE	3900000	27000000	3600 U	370 U	NA	NA	390 U
2-Chlorophenol	µg/kg	NE	63000	240000	3600 U	370 U	NA	NA	390 U
2-Methyl-4,6-dinitrophenol	µg/kg	NE	NE	NE	9200 U	940 U	NA	NA	990 U
2-Methylnaphthalene	µg/kg	NE	NE	NE	3600 U	7600 J	NA	NA	390 U
2-Methylphenol	µg/kg	NE	3100000	44000000	3600 U	370 U	NA	NA	390 U
2-Nitroaniline	µg/kg	NE	3500	50000	9200 U Y	940 U	NA	NA	990 U
2-Nitrophenol	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
3,3'-Dichlorobenzidine	µg/kg	NE	1100	5500	3600 U Y	370 U	NA	NA	390 U
3-Methyl-4-chlorophenol	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
3-Nitroaniline	µg/kg	NE	NE	NE	9200 U	940 U	NA	NA	990 U
4-Bromophenyl phenyl ether	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
4-Chloroaniline	µg/kg	NE	240000	3500000	3600 U	370 U	NA	NA	390 U
4-Chlorophenyl phenyl ether	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
4-Methylphenol	µg/kg	NE	310000	4400000	3600 U	370 U	NA	NA	390 U
4-Nitroaniline	µg/kg	NE	NE	NE	9200 U	940 U	NA	NA	990 U
4-Nitrophenol	µg/kg	NE	490000	7000000	9200 U	940 U	NA	NA	990 U
Acenaphthene	µg/kg	NE	3700000	38000000	3600 U	370 U	NA	NA	390 U
Acenaphthylene	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
Anthracene	µg/kg	NE	22000000	100000000	3600 U	370 U	NA	NA	390 U
Benzo[a]anthracene	µg/kg	22	620	2900	3600 U B Y X	370 U B	NA	NA	390 U B
Benzo[a]pyrene	µg/kg	27	62	290	73 U B Y	190 U B Y	NA	NA	39 U B
Benzo[b]fluoranthene	µg/kg	28	620	2900	3600 U B Y X	370 U B	NA	NA	390 U B

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2944	18609-2945	18609-2806	18609-2807	18609-2946
Location Code					TAA297-SB04A	TAA297-SB04A	TAA297-SB05	TAA297-SB05	TAA297-SB05A
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	04/06/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
Benzo[ghi]perylene	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
Benzo[k]fluoranthene	µg/kg	24	6200	29000	3600 U B	370 U B	NA	NA	390 U B
Bis (2-chloroethoxy)methane	µg/kg	NE	NE	NE	3600 U	370 U	NA	NA	390 U
Bis (2-chloroethyl)ether	µg/kg	NE	210	620	73 U	190 U	NA	NA	39 U
Bis (2-chloroisopropyl)ether	µg/kg	NE	2900	8100	3600 U Y	370 U	NA	NA	390 U
Bis (2-ethylhexyl)phthalate	µg/kg	NE	35000	180000	3600 U	370 U	NA	NA	390 U
Butyl benzyl phthalate	µg/kg	NE	12000000	100000000	3600 U	370 U	NA	NA	390 U
Chrysene	µg/kg	31	6100	290000	3600 U B	370 U B	NA	NA	390 U B
Di-n-butyl phthalate	µg/kg	NE	6100000	88000000	3600 U	210 J	NA	NA	390 U
Di-n-octyl phthalate	µg/kg	NE	1200000	10000000	3600 U	370 U	NA	NA	390 U
Dibenz[a,h]anthracene	µg/kg	8	62	290	73 U B Y	190 U B Y	NA	NA	39 U B
Dibenzofuran	µg/kg	NE	290000	5100000	3600 U	370 U	NA	NA	390 U
Diethyl phthalate	µg/kg	NE	49000	100000	3600 U	370 U	NA	NA	390 U
Dimethyl phthalate	µg/kg	NE	100000000	100000000	3600 U	370 U	NA	NA	390 U
Fluoranthene	µg/kg	45	2300000	30000000	3600 U B	370 U B	NA	NA	390 U B
Fluorene	µg/kg	NE	2600000	33000000	3600 U	370 U	NA	NA	390 U
Hexachlorobenzene	µg/kg	NE	300	1500	73 U	190 U	NA	NA	39 U
Hexachlorobutadiene	µg/kg	NE	6200	32000	3600 U	370 U	NA	NA	390 U
Hexachlorocyclopentadiene	µg/kg	NE	420000	5900000	3600 U	370 U	NA	NA	390 U
Hexachloroethane	µg/kg	NE	35000	180000	3600 U	370 U	NA	NA	390 U
Indeno[1,2,3-cd]pyrene	µg/kg	21	620	2900	73 U B	190 U B	NA	NA	39 U B
N-Nitrosodi-n-propylamine	µg/kg	NE	69	350	73 U Y	190 U Y	NA	NA	39 U
N-Nitrosodiphenylamine	µg/kg	NE	99000	500000	3600 U	370 U	NA	NA	390 U
Naphthalene	µg/kg	NE	56000	190000	3600 U	1300	NA	NA	390 U
Nitrobenzene	µg/kg	NE	20000	110000	3600 U	370 U	NA	NA	390 U
Pentachlorophenol	µg/kg	NE	3000	11000	360 U	930 U	NA	NA	200 U
Phenanthrene	µg/kg	18	NE	NE	3600 U B	370 U B	NA	NA	390 U B
Phenol	µg/kg	NE	37000000	100000000	3600 U	370 U	NA	NA	390 U
Pyrene	µg/kg	41	2300000	54000000	3600 U B	370 U B	NA	NA	390 U B
EPA 6010B									
Aluminum	mg/kg	14800	76000	100000	NA	NA	9650	8370	NA
Antimony	mg/kg	3.06	31	820	NA	NA	11.7 UJ B	11.1 UJ B	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2944	18609-2945	18609-2806	18609-2807	18609-2946
Location Code					TAA297-SB04A	TAA297-SB04A	TAA297-SB05	TAA297-SB05	TAA297-SB05A
Date Sampled					04/06/00	04/06/00	02/09/00	02/09/00	04/06/00
Depth (feet below ground surface)					1.5	3.0	1.5	3.0	1.5
	Unit	Background	Residential PRG	Industrial PRG					
Arsenic	mg/kg	6.86	0.39 *	2.7 *	NA	NA	4.19 Y X	2.62 Y	NA
Barium	mg/kg	173	5400	100000	NA	NA	95.7 J	81.2 J	NA
Beryllium	mg/kg	0.669	150	2200	NA	NA	.316 U	.301 U	NA
Cadmium	mg/kg	2.35	37	810	NA	NA	1.17 U	1.11 U	NA
Calcium	mg/kg	46000	NE	NE	NA	NA	4160	2310	NA
Chromium	mg/kg	26.9	210 **	450 **	NA	NA	11.9	7.98	NA
Cobalt	mg/kg	6.98	4700	100000	NA	NA	3.46	3.08	NA
Copper	mg/kg	10.5	2900	76000	NA	NA	7.73	4.84	NA
Iron	mg/kg	18400	23000	100000	NA	NA	12800	10500	NA
Lead	mg/kg	15.1	400	750	NA	NA	34.5 J B	4.62 J	NA
Magnesium	mg/kg	8370	NE	NE	NA	NA	4550	3530	NA
Manganese	mg/kg	291	1800	32000	NA	NA	192 J	200 J	NA
Molybdenum	mg/kg	NE	390	10000	NA	NA	2.35 U	2.21 U	NA
Nickel	mg/kg	15.3	150 ***	41000	NA	NA	7.09	3.94	NA
Potassium	mg/kg	4890	NE	NE	NA	NA	3060	3220	NA
Selenium	mg/kg	0.32	390	10000	NA	NA	1.17 U B	1.11 U B	NA
Silver	mg/kg	0.539	390	10000	NA	NA	2.35 U B	2.21 U B	NA
Sodium	mg/kg	405	NE	NE	NA	NA	587 U B	554 U B	NA
Thallium	mg/kg	0.42	5.2	130	NA	NA	1.17 U B	1.11 U B	NA
Vanadium	mg/kg	71.8	550	14000	NA	NA	30.5	26.1	NA
Zinc	mg/kg	77.9	23000	100000	NA	NA	78.1 J B	35 J	NA
EPA 7471A									
Mercury	mg/kg	0.22	23	610	NA	NA	.117 U	.111 U	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2947	18609-2808	18609-2809	18609-2948	18609-2949
Location Code					TAA297-SB05A	TAA297-SB06	TAA297-SB06	TAA297-SB06A	TAA297-SB06A
Date Sampled					04/06/00	02/09/00	02/09/00	04/06/00	04/06/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
CA LUFT 8015M									
TPH as Diesel	mg/kg	NE	NE	NE	NA	24	11.8 U	NA	NA
TPH as Gasoline	mg/kg	NE	NE	NE	NA	1.12 U	NA	NA	NA
EPA 8081									
4,4'-DDD	mg/kg	0.0361	2.4 *	17 *	NA	.0034 U	NA	NA	NA
4,4'-DDE	mg/kg	0.145	1.7 *	12 *	NA	.047 U	NA	NA	NA
4,4'-DDT	mg/kg	0.236	1.7 *	12 *	NA	.0034 U	NA	NA	NA
Aldrin	mg/kg	NE	0.029	0.15	NA	.017 U	NA	NA	NA
NE - not established	mg/kg	NE	0.09	0.59	NA	.0021 U	NA	NA	NA
alpha-Chlordane	mg/kg	0.00224	1.6	11	NA	.017 U B	NA	NA	NA
Beta-BHC	mg/kg	NE	0.32	2.1	NA	.037 U	NA	NA	NA
Delta-BHC	mg/kg	NE	NE	NE	NA	.012 U	NA	NA	NA
Dieldrin	mg/kg	0.0199	0.03	0.15	NA	.039 U B Y	NA	NA	NA
Endosulfan I	mg/kg	0.000179	370	5300	NA	.023 U B	NA	NA	NA
Endosulfan II	mg/kg	0.00222	370	5300	NA	.027 U B	NA	NA	NA
Endosulfan sulfate	mg/kg	0.0031	NE	NE	NA	.04 U B	NA	NA	NA
Endrin	mg/kg	0.00222	18	260	NA	.04 U B	NA	NA	NA
Endrin aldehyde	mg/kg	0.00222	NE	NE	NA	.018 U B	NA	NA	NA
gamma-BHC	mg/kg	NE	0.44	2.9	NA	.022 U	NA	NA	NA
gamma-Chlordane	mg/kg	0.0027	1.6	11	NA	.017 U B	NA	NA	NA
Heptachlor	mg/kg	NE	0.11	0.55	NA	.022 U	NA	NA	NA
Heptachlor epoxide	mg/kg	NE	0.053	0.27	NA	.023 U	NA	NA	NA
Methoxychlor	mg/kg	NE	310	4400	NA	.064 UJ	NA	NA	NA
Toxaphene	mg/kg	NE	0.44	2.2	NA	.78 U Y	NA	NA	NA
EPA 8260A									
1,1,1-Trichloroethane	µg/kg	NE	630000	1400000	NA	5.6 U	NA	NA	NA
1,1,2,2-Tetrachloroethane	µg/kg	NE	380	900	NA	5.6 U	NA	NA	NA
1,1,2-Trichloroethane	µg/kg	NE	840	1900	NA	5.6 U	NA	NA	NA
1,1-Dichloroethane	µg/kg	NE	3300 *	7100 *	NA	5.6 U	NA	NA	NA
1,1-Dichloroethene	µg/kg	NE	54	120	NA	5.6 U	NA	NA	NA
1,2-Dichloroethane	µg/kg	NE	350	760	NA	5.6 U	NA	NA	NA
1,2-Dichloropropane	µg/kg	NE	350	770	NA	5.6 U	NA	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2947	18609-2808	18609-2809	18609-2948	18609-2949
Location Code					TAA297-SB05A	TAA297-SB06	TAA297-SB06	TAA297-SB06A	TAA297-SB06A
Date Sampled					04/06/00	02/09/00	02/09/00	04/06/00	04/06/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
2-Butanone (MEK)	µg/kg	NE	7300000	28000000	NA	56 U	NA	NA	NA
2-Chloroethyl vinyl ether	µg/kg	NE	NE	NE	NA	56 U	NA	NA	NA
2-Hexanone	µg/kg	NE	NE	NE	NA	56 U	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	µg/kg	NE	790000	2900000	NA	56 U	NA	NA	NA
Acetone	µg/kg	NE	1600000	6200000	NA	56 U	NA	NA	NA
Benzene	µg/kg	NE	650 *	1500 *	NA	5.6 U	NA	NA	NA
Bromodichloromethane	µg/kg	NE	1000	2400	NA	5.6 U	NA	NA	NA
Bromoform	µg/kg	NE	62000	310000	NA	5.6 U	NA	NA	NA
Bromomethane	µg/kg	NE	3900	13000	NA	5.6 U	NA	NA	NA
Carbon disulfide	µg/kg	NE	360000	720000	NA	5.6 U	NA	NA	NA
Carbon tetrachloride	µg/kg	NE	240	530	NA	5.6 U	NA	NA	NA
Chlorobenzene	µg/kg	NE	150000	540000	NA	5.6 U	NA	NA	NA
Chloroethane	µg/kg	NE	3000	6500	NA	5.6 U	NA	NA	NA
Chloroform	µg/kg	NE	240	520	NA	5.6 U	NA	NA	NA
Chloromethane	µg/kg	NE	1200	2700	NA	5.6 U	NA	NA	NA
cis-1,2-Dichloroethene	µg/kg	NE	43000	150000	NA	5.6 U	NA	NA	NA
cis-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	5.6 U	NA	NA	NA
Dibromochloromethane	µg/kg	NE	1100	2700	NA	5.6 U	NA	NA	NA
Ethylbenzene	µg/kg	NE	230000	230000	NA	5.6 U	NA	NA	NA
Methyl tert-butyl ether (MTBE)	µg/kg	NE	17000 *	37000 *	NA	11 U	NA	NA	NA
Methylene chloride	µg/kg	NE	8900	21000	NA	5.6 U	NA	NA	NA
Styrene	µg/kg	NE	1700000	1700000	NA	5.6 U	NA	NA	NA
Tetrachloroethene	µg/kg	NE	5700	19000	NA	5.6 U	NA	NA	NA
Toluene	µg/kg	NE	520000	520000	NA	5.6 U	NA	NA	NA
trans-1,2-Dichloroethene	µg/kg	NE	63000	210000	NA	5.6 U	NA	NA	NA
trans-1,3-Dichloropropene	µg/kg	NE	700 *	1600 *	NA	5.6 U	NA	NA	NA
Trichloroethene	µg/kg	NE	2800	6100	NA	5.6 U	NA	NA	NA
Vinyl acetate	µg/kg	NE	430000	1400000	NA	56 U	NA	NA	NA
Vinyl chloride	µg/kg	NE	150 *	830 *	NA	5.6 U	NA	NA	NA
Xylenes (total)	µg/kg	NE	210000	210000	NA	5.6 U	NA	NA	NA
EPA 8270B									
1,2,4-Trichlorobenzene	µg/kg	NE	650000	3000000	1900 U	NA	NA	370 U	360 U

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2947	18609-2808	18609-2809	18609-2948	18609-2949
Location Code					TAA297-SB05A	TAA297-SB06	TAA297-SB06	TAA297-SB06A	TAA297-SB06A
Date Sampled					04/06/00	02/09/00	02/09/00	04/06/00	04/06/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
1,2-Dichlorobenzene	µg/kg	NE	370000	370000	1900 U	NA	NA	370 U	360 U
1,3-Dichlorobenzene	µg/kg	NE	13000	52000	1900 U	NA	NA	370 U	360 U
1,4-Dichlorobenzene	µg/kg	NE	3400	8100	1900 U	NA	NA	370 U	360 U
2,4,5-Trichlorophenol	µg/kg	NE	6100000	88000000	4800 U	NA	NA	920 U	900 U
2,4,6-Trichlorophenol	µg/kg	NE	44000	220000	1900 U	NA	NA	370 U	360 U
2,4-Dichlorophenol	µg/kg	NE	180000	2600000	1900 U	NA	NA	370 U	360 U
2,4-Dimethylphenol	µg/kg	NE	1200000	18000000	1900 U	NA	NA	370 U	360 U
2,4-Dinitrophenol	µg/kg	NE	120000	1800000	4800 U	NA	NA	920 U	900 U
2,4-Dinitrotoluene	µg/kg	NE	120000	1800000	1900 U	NA	NA	370 U	360 U
2,6-Dinitrotoluene	µg/kg	NE	61000	880000	1900 U	NA	NA	370 U	360 U
2-Chloronaphthalene	µg/kg	NE	3900000	27000000	1900 U	NA	NA	370 U	360 U
2-Chlorophenol	µg/kg	NE	63000	240000	1900 U	NA	NA	370 U	360 U
2-Methyl-4,6-dinitrophenol	µg/kg	NE	NE	NE	4800 U	NA	NA	920 U	900 U
2-Methylnaphthalene	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
2-Methylphenol	µg/kg	NE	3100000	44000000	1900 U	NA	NA	370 U	360 U
2-Nitroaniline	µg/kg	NE	3500	50000	4800 U Y	NA	NA	920 U	900 U
2-Nitrophenol	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
3,3'-Dichlorobenzidine	µg/kg	NE	1100	5500	1900 U Y	NA	NA	370 U	360 U
3-Methyl-4-chlorophenol	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
3-Nitroaniline	µg/kg	NE	NE	NE	4800 U	NA	NA	920 U	900 U
4-Bromophenyl phenyl ether	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
4-Chloroaniline	µg/kg	NE	240000	3500000	1900 U	NA	NA	370 U	360 U
4-Chlorophenyl phenyl ether	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
4-Methylphenol	µg/kg	NE	310000	4400000	1900 U	NA	NA	370 U	360 U
4-Nitroaniline	µg/kg	NE	NE	NE	4800 U	NA	NA	920 U	900 U
4-Nitrophenol	µg/kg	NE	490000	7000000	4800 U	NA	NA	920 U	900 U
Acenaphthene	µg/kg	NE	3700000	38000000	1900 U	NA	NA	370 U	360 U
Acenaphthylene	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
Anthracene	µg/kg	NE	22000000	100000000	1900 U	NA	NA	370 U	360 U
Benzo[a]anthracene	µg/kg	22	620	2900	1900 U B Y	NA	NA	370 U B	360 U B
Benzo[a]pyrene	µg/kg	27	62	290	1400 U B Y X	NA	NA	37 U B	270 U B Y
Benzo[b]fluoranthene	µg/kg	28	620	2900	1900 U B Y	NA	NA	370 U B	360 U B

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2947	18609-2808	18609-2809	18609-2948	18609-2949
Location Code					TAA297-SB05A	TAA297-SB06	TAA297-SB06	TAA297-SB06A	TAA297-SB06A
Date Sampled					04/06/00	02/09/00	02/09/00	04/06/00	04/06/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
Benzo[ghi]perylene	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
Benzo[k]fluoranthene	µg/kg	24	6200	29000	1900 U B	NA	NA	370 U B	360 U B
Bis (2-chloroethoxy)methane	µg/kg	NE	NE	NE	1900 U	NA	NA	370 U	360 U
Bis (2-chloroethyl)ether	µg/kg	NE	210	620	1900 U Y X	NA	NA	37 U	360 U Y
Bis (2-chloroisopropyl)ether	µg/kg	NE	2900	8100	1900 U	NA	NA	370 U	360 U
Bis (2-ethylhexyl)phthalate	µg/kg	NE	35000	180000	1900 U	NA	NA	370 U	360 U
Butyl benzyl phthalate	µg/kg	NE	12000000	100000000	1900 U	NA	NA	370 U	360 U
Chrysene	µg/kg	31	6100	290000	1900 U B	NA	NA	370 U B	360 U B
Di-n-butyl phthalate	µg/kg	NE	6100000	88000000	1900 U	NA	NA	370 U	180 J
Di-n-octyl phthalate	µg/kg	NE	1200000	10000000	1900 U	NA	NA	370 U	360 U
Dibenz[a,h]anthracene	µg/kg	8	62	290	1400 U B Y X	NA	NA	37 U B	270 U B Y
Dibenzofuran	µg/kg	NE	290000	5100000	1900 U	NA	NA	370 U	360 U
Diethyl phthalate	µg/kg	NE	49000	100000	1900 U	NA	NA	370 U	360 U
Dimethyl phthalate	µg/kg	NE	100000000	100000000	1900 U	NA	NA	370 U	360 U
Fluoranthene	µg/kg	45	2300000	30000000	1900 U B	NA	NA	370 U B	360 U B
Fluorene	µg/kg	NE	2600000	33000000	1900 U	NA	NA	370 U	360 U
Hexachlorobenzene	µg/kg	NE	300	1500	1900 U Y X	NA	NA	37 U	360 U Y
Hexachlorobutadiene	µg/kg	NE	6200	32000	1900 U	NA	NA	370 U	360 U
Hexachlorocyclopentadiene	µg/kg	NE	420000	5900000	1900 U	NA	NA	370 U	360 U
Hexachloroethane	µg/kg	NE	35000	180000	1900 U	NA	NA	370 U	360 U
Indeno[1,2,3-cd]pyrene	µg/kg	21	620	2900	1900 U B Y	NA	NA	37 U B	360 U B
N-Nitrosodi-n-propylamine	µg/kg	NE	69	350	1400 U Y X	NA	NA	37 U	270 U Y
N-Nitrosodiphenylamine	µg/kg	NE	99000	500000	1900 U	NA	NA	370 U	360 U
Naphthalene	µg/kg	NE	56000	190000	1900 U	NA	NA	370 U	360 U
Nitrobenzene	µg/kg	NE	20000	110000	1900 U	NA	NA	370 U	360 U
Pentachlorophenol	µg/kg	NE	3000	11000	4800 U Y	NA	NA	180 U	900 U
Phenanthrene	µg/kg	18	NE	NE	1900 U B	NA	NA	370 U B	360 U B
Phenol	µg/kg	NE	37000000	100000000	1900 U	NA	NA	370 U	360 U
Pyrene	µg/kg	41	2300000	54000000	1900 U B	NA	NA	370 U B	360 U B
EPA 6010B									
Aluminum	mg/kg	14800	76000	100000	NA	8010	12500	NA	NA
Antimony	mg/kg	3.06	31	820	NA	11.2 UJ B	11.8 UJ B	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

Sample Identification					18609-2947	18609-2808	18609-2809	18609-2948	18609-2949
Location Code					TAA297-SB05A	TAA297-SB06	TAA297-SB06	TAA297-SB06A	TAA297-SB06A
Date Sampled					04/06/00	02/09/00	02/09/00	04/06/00	04/06/00
Depth (feet below ground surface)					3.0	1.5	3.0	1.5	3.0
	Unit	Background	Residential PRG	Industrial PRG					
Arsenic	mg/kg	6.86	0.39 *	2.7 *	NA	2 Y	3.44 Y X	NA	NA
Barium	mg/kg	173	5400	100000	NA	96.1 J	146 J	NA	NA
Beryllium	mg/kg	0.669	150	2200	NA	.278 U	.471 U	NA	NA
Cadmium	mg/kg	2.35	37	810	NA	1.12 U	1.18 U	NA	NA
Calcium	mg/kg	46000	NE	NE	NA	3390	4620	NA	NA
Chromium	mg/kg	26.9	210 **	450 **	NA	7.01	11.7	NA	NA
Cobalt	mg/kg	6.98	4700	100000	NA	2.16	4.13	NA	NA
Copper	mg/kg	10.5	2900	76000	NA	4.66	7.99	NA	NA
Iron	mg/kg	18400	23000	100000	NA	9470	14700	NA	NA
Lead	mg/kg	15.1	400	750	NA	1.65 J	3.73 J	NA	NA
Magnesium	mg/kg	8370	NE	NE	NA	3610	6120	NA	NA
Manganese	mg/kg	291	1800	32000	NA	198 J	245 J	NA	NA
Molybdenum	mg/kg	NE	390	10000	NA	2.24 U	2.36 U	NA	NA
Nickel	mg/kg	15.3	150 ***	41000	NA	4	8.18	NA	NA
Potassium	mg/kg	4890	NE	NE	NA	2710	4060	NA	NA
Selenium	mg/kg	0.32	390	10000	NA	1.12 U B	1.18 U B	NA	NA
Silver	mg/kg	0.539	390	10000	NA	2.24 U B	2.36 U B	NA	NA
Sodium	mg/kg	405	NE	NE	NA	559 U B	591 U B	NA	NA
Thallium	mg/kg	0.42	5.2	130	NA	1.12 U B	1.18 U B	NA	NA
Vanadium	mg/kg	71.8	550	14000	NA	22.4	35.3	NA	NA
Zinc	mg/kg	77.9	23000	100000	NA	27.6 J	45.8 J	NA	NA
EPA 7471A									
Mercury	mg/kg	0.22	23	610	NA	.112 U	.118 U	NA	NA

Table 4-2
Summary of Analytical Results for Confirmation Soil Samples — TAA 297

** Listed PRGs are for cancer endpoint*
*** Listed PRGs are for cancer endpoint, assumes 1:6 ratio of Cr-VI:Cr-III*
**** CA-modified PRG*
B - result exceeds established background limits
CA LUFT - California Leaking Underground Fuel Tank
EPA - United States Environmental Protection Agency
J - estimated
M - Modified
MDL - method detection limit
mg/kg - milligrams per kilogram
NA - not analyzed
NE - not established
OHM - OHM Remediation Services Corp.
PRG - Preliminary Remediation Goal, EPA Region IX, November 2000
R - data is not usable
RL - reporting limit
SB - soil boring
TAA - temporary accumulation area
TPH - total petroleum hydrocarbons
U - not detected above or equal to the stated reporting limit. If the analyte had been detected bewteen the MDL and RL the actual value would have been reported and flagged with a "J" qualifier. For the samples in question, the laboratory did not detect analyte concentrations between the MDL and the RL. As a result, the samples are qualified as non-detect ("U").
µg/kg - micrograms per kilogram
UJ - the sample detection limit is an estimated value
X - result exceeds industrial PRGs
Y - result exceeds residential PRGs

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

Sample Identification Location Code Date Sampled	Unit	18609-2810 Equipment Rinsate 02/09/00	18609-2811 Trip Blank 02/09/00
CA LUFT 8015M			
TPH as Diesel	mg/L	.1 U	NA
TPH as Gasoline	mg/L	.1 U	NA
EPA 6010B			
Aluminum	µg/L	500 U	NA
Antimony	µg/L	500 U	NA
Arsenic	µg/L	10 U	NA
Barium	µg/L	100 U	NA
Beryllium	µg/L	10 U	NA
Cadmium	µg/L	10 U	NA
Calcium	µg/L	5000 U	NA
Chromium	µg/L	50 U	NA
Cobalt	µg/L	50 U	NA
Copper	µg/L	50 U	NA
Iron	µg/L	200 U	NA
Lead	µg/L	10 U	NA
Magnesium	µg/L	5000 U	NA
Manganese	µg/L	20 U	NA
Molybdenum	µg/L	100 U	NA
Nickel	µg/L	150 U	NA
Potassium	µg/L	5000 U	NA
Selenium	µg/L	10 U	NA
Silver	µg/L	50 U	NA
Sodium	µg/L	5000 U	NA
Thallium	µg/L	400 U	NA
Vanadium	µg/L	100 U	NA
Zinc	µg/L	32.2	NA
EPA 7470A			
Mercury	mg/L	.2 U	NA
EPA 8081			
4,4'-DDD	µg/L	.49 UJ	NA
4,4'-DDE	µg/L	.49 U	NA
4,4'-DDT	µg/L	.098 U	NA
Aldrin	µg/L	.029 U	NA
alpha-BHC	µg/L	.34 U	NA
alpha-Chlordane	µg/L	.78 U	NA
Beta-BHC	µg/L	.23 U	NA

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

Sample Identification Location Code Date Sampled		18609-2810 Equipment Rinsate 02/09/00	18609-2811 Trip Blank 02/09/00
	Unit		
Delta-BHC	µg/L	.24 UJ	NA
Dieldrin	µg/L	.43 U	NA
Endosulfan I	µg/L	.29 U	NA
Endosulfan II	µg/L	.39 U	NA
Endosulfan sulfate	µg/L	.34 U	NA
Endrin	µg/L	.38 U	NA
Endrin aldehyde	µg/L	.49 U	NA
gamma-BHC	µg/L	.25 U	NA
gamma-Chlordane	µg/L	.36 U	NA
Heptachlor	µg/L	.39 UJ	NA
Heptachlor epoxide	µg/L	.31 U	NA
Methoxychlor	µg/L	.84 UJ	NA
Toxaphene	µg/L	2 U	NA
EPA 8260A			
1,1,1-Trichloroethane	µg/L	5 U	5 U
1,1,2,2-Tetrachloroethane	µg/L	5 U	5 U
1,1,2-Trichloroethane	µg/L	5 U	5 U
1,1-Dichloroethane	µg/L	5 U	5 U
1,1-Dichloroethene	µg/L	5 U	5 U
1,2-Dichloroethane	µg/L	5 U	5 U
1,2-Dichloropropane	µg/L	5 U	5 U
2-Butanone (MEK)	µg/L	50 U	50 U
2-Chloroethyl vinyl ether	µg/L	50 U	50 U
2-Hexanone	µg/L	50 U	50 U
4-Methyl-2-pentanone (MIBK)	µg/L	50 U	50 U
Acetone	µg/L	50 U	50 U
Benzene	µg/L	5 U	5 U
Bromodichloromethane	µg/L	5 U	5 U
Bromoform	µg/L	5 U	5 U
Bromomethane	µg/L	5 U	5 U
Carbon disulfide	µg/L	5 U	5 U
Carbon tetrachloride	µg/L	5 U	5 U
Chlorobenzene	µg/L	5 U	5 U
Chloroethane	µg/L	5 U	5 U
Chloroform	µg/L	5 U	5 U
Chloromethane	µg/L	5 U	5 U
cis-1,2-Dichloroethene	µg/L	5 U	5 U

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

Sample Identification Location Code Date Sampled	Unit	18609-2810 Equipment Rinsate 02/09/00	18609-2811 Trip Blank 02/09/00
cis-1,3-Dichloropropene	µg/L	5 U	5 U
Dibromochloromethane	µg/L	5 U	5 U
Ethylbenzene	µg/L	5 U	5 U
Methyl tert-butyl ether (MTBE)	µg/L	10 U	10 U
Methylene chloride	µg/L	5 U	5 U
Styrene	µg/L	5 U	5 U
Tetrachloroethene	µg/L	5 U	5 U
Toluene	µg/L	5 U	5 U
trans-1,2-Dichloroethene	µg/L	5 U	5 U
trans-1,3-Dichloropropene	µg/L	5 U	5 U
Trichloroethene	µg/L	5 U	5 U
Vinyl acetate	µg/L	50 U	50 U
Vinyl chloride	µg/L	5 U	5 U
Xylenes (total)	µg/L	5 U	5 U
EPA 8270B			
1,2,4-Trichlorobenzene	µg/L	9.8 U	NA
1,2-Dichlorobenzene	µg/L	9.8 U	NA
1,3-Dichlorobenzene	µg/L	9.8 U	NA
1,4-Dichlorobenzene	µg/L	9.8 U	NA
2,4,5-Trichlorophenol	µg/L	25 U	NA
2,4,6-Trichlorophenol	µg/L	9.8 U	NA
2,4-Dichlorophenol	µg/L	9.8 U	NA
2,4-Dimethylphenol	µg/L	9.8 U	NA
2,4-Dinitrophenol	µg/L	25 U	NA
2,4-Dinitrotoluene	µg/L	9.8 U	NA
2,6-Dinitrotoluene	µg/L	9.8 U	NA
2-Chloronaphthalene	µg/L	9.8 U	NA
2-Chlorophenol	µg/L	9.8 U	NA
2-Methyl-4,6-dinitrophenol	µg/L	25 U	NA
2-Methylnaphthalene	µg/L	9.8 U	NA
2-Methylphenol	µg/L	9.8 U	NA
2-Nitroaniline	µg/L	25 U	NA
2-Nitrophenol	µg/L	9.8 U	NA
3,3'-Dichlorobenzidine	µg/L	9.8 U	NA
3-Methyl-4-chlorophenol	µg/L	9.8 U	NA
3-Nitroaniline	µg/L	25 U	NA
4-Bromophenyl phenyl ether	µg/L	9.8 U	NA

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

Sample Identification Location Code Date Sampled		18609-2810 Equipment Rinsate 02/09/00	18609-2811 Trip Blank 02/09/00
	Unit		
4-Chloroaniline	µg/L	9.8 U	NA
4-Chlorophenyl phenyl ether	µg/L	9.8 U	NA
4-Methylphenol	µg/L	9.8 U	NA
4-Nitroaniline	µg/L	25 U	NA
4-Nitrophenol	µg/L	25 U	NA
Acenaphthene	µg/L	9.8 U	NA
Acenaphthylene	µg/L	9.8 U	NA
Anthracene	µg/L	9.8 U	NA
Benzo[a]anthracene	µg/L	9.8 U	NA
Benzo[a]pyrene	µg/L	9.8 U	NA
Benzo[b]fluoranthene	µg/L	9.8 U	NA
Benzo[ghi]perylene	µg/L	9.8 U	NA
Benzo[k]fluoranthene	µg/L	9.8 U	NA
Bis (2-chloroethoxy)methane	µg/L	9.8 U	NA
Bis (2-chloroethyl)ether	µg/L	9.8 U	NA
Bis (2-chloroisopropyl)ether	µg/L	9.8 U	NA
Bis (2-ethylhexyl)phthalate	µg/L	9.8 U	NA
Butyl benzyl phthalate	µg/L	9.8 U	NA
Chrysene	µg/L	9.8 U	NA
Di-n-butyl phthalate	µg/L	9.8 U	NA
Di-n-octyl phthalate	µg/L	9.8 U	NA
Dibenz[a,h]anthracene	µg/L	9.8 U	NA
Dibenzofuran	µg/L	9.8 U	NA
Diethyl phthalate	µg/L	9.8 U	NA
Dimethyl phthalate	µg/L	9.8 U	NA
Fluoranthene	µg/L	9.8 U	NA
Fluorene	µg/L	9.8 U	NA
Hexachlorobenzene	µg/L	9.8 U	NA
Hexachlorobutadiene	µg/L	9.8 U	NA
Hexachlorocyclopentadiene	µg/L	9.8 U	NA
Hexachloroethane	µg/L	9.8 U	NA
Indeno[1,2,3-cd]pyrene	µg/L	9.8 U	NA
N-Nitrosodi-n-propylamine	µg/L	9.8 U	NA
N-Nitrosodiphenylamine	µg/L	9.8 U	NA
Naphthalene	µg/L	9.8 U	NA
Nitrobenzene	µg/L	9.8 U	NA
Pentachlorophenol	µg/L	25 U	NA

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

Sample Identification		18609-2810	18609-2811
Location Code		Equipment Rinsate	Trip Blank
Date Sampled		02/09/00	02/09/00
	Unit		
Phenanthrene	µg/L	9.8 U	NA
Phenol	µg/L	9.8 U	NA
Pyrene	µg/L	9.8 U	NA

Table 4-3
Summary of Analytical Results for QC Samples — TAA 297

B - result exceeds established background limits
CA LUFT - California Leaking Underground Fuel Tank
EPA - United States Environmental Protection Agency
J - estimated
M - Modified
MDL - method detection limit
mg/L - milligrams per liter
NA - not analyzed
NE - not established
OHM - OHM Remediation Services Corp.
PRG - Preliminary Remediation Goal, EPA Region IX, October 1999
QC - quality control
R - data is not usable
RL - reporting limit
TAA - temporary accumulation area
TPH - total petroleum hydrocarbons
U - not detected above or equal to the stated reporting limit
µg/L - micrograms per liter
UJ - the sample detection limit is an estimated value
X - result exceeds industrial PRGs
Y - result exceeds residential PRGs
** If the analyte had been detected bewteen the MDL and RL the actual value would have been reported and flagged with a "J" qualifier. For the samples in question, the laboratory did not detect analyte concentrations between the MDL and the RL. As a result, the samples are qualified as non-detect ("U").*

Table 5-1
Residential Risk Screening Worksheet for Soil - TAA 297

Detected Chemical	Maximum TAA 297 Soil Concentration (mg/kg)	MCAS El Toro Background Concentration[a] (mg/kg)	CANCER			NON-CANCER	
			Residential PRG[b] (mg/kg)	TAA 297 Maximum Ratio[c]	MCAS El Toro Background Ratio[d]	Residential PRG[e] (mg/kg)	TAA 297 Maximum Ratio[f]
ORGANICS							
Acetone	0.10	NE	NE	NE	NE	1.6E+03	6.3E-05
Ethylbenzene	0.0099	NE	NE	NE	NE	2.3E+02	4.3E-05
2-Butanone	0.027	NE	NE	NE	NE	7.3E+03	3.7E-06
Xylenes	0.011	NE	NE	NE	NE	2.1E+02	5.2E-05
alpha-BHC	0.001	NE	NE	NE	NE	9.0E-02	1.1E-02
Di-n-butyl phthalate	0.21	NE	NE	NE	NE	6.1E+03	3.4E-05
Di-n-octyl phthalate	0.18	NE	NE	NE	NE	1.2E+03	1.5E-04
Naphthalene	9.1	NE	NE	NE	NE	5.6E+01	1.6E-01
4, 4'-DDE	0.0028	0.145	1.7E+00	1.6E-03	1.6E-03	NE	NE
4, 4'-DDD	0.01	0.0361	2.4E+00	4.2E-03	4.2E-03	NE	NE
METALS							
Aluminum	19,900	14,800	NE	NE	NE	7.6E+04	2.6E-01
Arsenic	4.83	6.86	3.9E-01	1.2E+01	1.2E+01	2.2E+01	NE
Barium	182	173	NE	NE	NE	5.4E+03	3.4E-02
Beryllium	0.698	0.669	1.1E+03	6.3E-04	6.1E-04	1.5E+02	4.7E-03
Chromium	19.2	26.9	2.1E+02	9.1E-02	9.1E-02	2.3E+02	NE
Cobalt	14.5	6.98	NE	NE	NE	4.7E+03	3.1E-03
Copper	11.7	10.5	NE	NE	NE	2.9E+03	4.0E-03
Iron	20,700	18,400	NE	NE	NE	2.3E+04	9.0E-01
Lead	34.5	15.1	NE	NE	NE	4.0E+02	8.6E-02
Manganese	270	291	NE	NE	NE	1.8E+03	NE
Nickel	10.2	15.3	NE	NE	NE	1.5E+02	NE
Vanadium	47.5	71.8	NE	NE	NE	5.5E+02	NE
Zinc	78.1	77.9	NE	NE	NE	2.3E+04	3.4E-03
Subtotal sum of ratios				1.2E+01	1.2E+01		1.5E+00
MCAS EL TORO BACKGROUND RISK			**CANCER RISK**		**1.2E-05**		
TAA 297 SUMMED RISK			**CANCER RISK**	**1.2E-05**		**NON-CANCER HAZARD INDEX**	**1.5E+00**
TAA 297 RISK LESS BACKGROUND RISK (NET RISK)			**NET CANCER RISK**	**2.6E-11**			

[a] *MCAS El Toro Background upper threshold limit concentrations from Final Technical Memorandum Background and Reference Levels, Bechtel National, Inc. 1996b.*
[b] *Residential soil PRG for cancer from the EPA Region 9, November 22, 2000 list.*
[c] *The Ratio is determined by dividing the Concentration by the respective PRG.*
[d] *Where the background concentration exceeds the maximum concentration the background ratio was defaulted to the maximum ratio.*
[e] *Residential soil PRG for non-cancer from the EPA Region 9, November 22, 2000 list.*
[f] *The Ratio is determined by dividing the Concentration by the respective PRG. No ratios were calculated for chemicals detected below background levels.*

mg/kg - milligrams per kilogram
NE - not established/no entry
PRG - preliminary remediation goal

Table 5-2
Industrial Risk Screening Worksheet for Soil - TAA 297

Detected Chemical	Maximum TAA 297 Soil Concentration (mg/kg)	MCAS El Toro Background Concentration[a] (mg/kg)	CANCER			NON-CANCER	
			Industrial PRG[b] (mg/kg)	TAA 297 Maximum Ratio[c]	MCAS El Toro Background Ratio[d]	Industrial PRG[e] (mg/kg)	TAA 297 Maximum Ratio[f]
ORGANICS							
Acetone	0.10	NE	NE	NE	NE	6.2E+03	1.6E-05
Ethylbenzene	0.0099	NE	NE	NE	NE	2.3E+02	4.3E-05
2-Butanone	0.027	NE	NE	NE	NE	2.8E+04	9.6E-07
Xylenes	0.011	NE	NE	NE	NE	2.1E+02	5.2E-05
alpha-BHC	0.001	NE	NE	NE	NE	5.9E-01	1.7E-03
Di-n-butyl phthalate	0.21	NE	NE	NE	NE	8.8E+04	2.4E-06
Di-n-octyl phthalate	0.18	NE	NE	NE	NE	1.0E+04	1.8E-05
Naphthalene	9.1	NE	NE	NE	NE	1.9E+02	4.8E-02
4, 4'-DDE	0.0028	0.145	1.2E+01	2.3E-04	2.3E-04	NE	NE
4, 4'-DDD	0.01	0.0361	1.7E+01	5.9E-04	5.9E-04	NE	NE
METALS							
Aluminum	19,900	14,800	NE	NE	NE	1.0E+05	2.0E-01
Arsenic	4.83	6.86	2.7E+00	1.8E+00	1.8E+00	4.4E+02	NE
Barium	182	173	NE	NE	NE	1.0E+05	1.8E-03
Beryllium	0.698	0.669	3.7E+03	1.9E-04	1.8E-04	2.2E+03	3.2E-04
Chromium	19.2	26.9	4.5E+02	4.3E-02	4.3E-02	6.1E+03	NE
Cobalt	14.5	6.98	NE	NE	NE	1.0E+05	1.5E-04
Copper	11.7	10.5	NE	NE	NE	7.6E+04	1.5E-04
Iron	20,700	18,400	NE	NE	NE	1.0E+05	2.1E-01
Lead	34.5	15.1	NE	NE	NE	7.5E+02	4.6E-02
Manganese	270	291	NE	NE	NE	3.2E+04	NE
Nickel	10.2	15.3	NE	NE	NE	4.1E+04	NE
Vanadium	47.5	71.8	NE	NE	NE	1.4E+04	NE
Zinc	78.1	77.9	NE	NE	NE	1.0E+05	7.8E-04
Subtotal sum of ratios				1.8E+00	1.8E+00		5.0E-01
MCAS EL TORO BACKGROUND RISK			**CANCER RISK**		**1.8E-06**		
TAA 297 SUMMED RISK			**CANCER RISK**	**1.8E-06**		**NON-CANCER HAZARD INDEX**	**<1.0**
TAA 297 RISK LESS BACKGROUND RISK (NET RISK)			**NET CANCER RISK**	**$<1x10^{-6}$**			

[a] *MCAS El Toro Background upper threshold limit concentrations from Final Technical Memorandum Background and Reference Levels, Bechtel National, Inc. 1996b.*
[b] *Industrial soil PRG for cancer from the EPA Region 9, November 22, 2000 list.*
[c] *The Ratio is determined by dividing the Concentration by the respective PRG.*
[d] *Where the background concentration exceeds the maximum concentration the background ratio was defaulted to the maximum ratio.*
[e] *Industrial soil PRG for non-cancer from the EPA Region 9, November 22, 2000 list.*
[f] *The Ratio is determined by dividing the concentration by the respective PRG. No ratios were calculated for chemicals detected below background levels.*

mg/kg - milligrams per kilogram
NE - not established/no entry
PRG - preliminary remediation goal

Table 5-3
Target Organ System Endpoint - TAA 297

Detected Chemical	Maximum TAA 297 Soil Concentration (mg/kg)	MCAS El Toro Background Concentration[a] (mg/kg)	Residential PRG Noncancer[b] (mg/kg)	Target Organ Hazard Index (Ratio)[c]			
				Blood	Soft Tissue	Lungs and Nasal Tissue	Central Nervous System
Aluminum	19,900	14,800	7.6E+04				2.62E-01
Iron	20,700	18,400	2.3E+04		9.00E-01		
Lead	34.5	15.1	4.0E+02	8.63E-02			8.63E-02
Naphthalene	9.1	NE	5.6E+01			1.63E-01	
Subtotal sum of ratios				8.63E-02	9.00E-01	1.63E-01	3.48E-01
			Total HI	**0.1**	**0.9**	**0.2**	**0.3**

[a] *MCAS El Toro Background upper threshold limit concentrations from Final Technical Memorandum Background and Reference Levels, Bechtel National, Inc., 1996b.*

[b] *Residential soil PRG for cancer from the EPA Region 9, November 1, 2000 list.*

[c] *The Ratio is determined by dividing the maximum concentration by the respective PRG.*

mg/kg - milligrams per kilogram

NE - not established/no entry

PRG - preliminary remediation goal

Appendix A
JEG RFA Background Information

MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
FINAL RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY ASSESSMENT REPORT

PREPARED BY:
Southwest Division, Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, California 92132-5190

THROUGH:
CONTRACT #N68711-89-D-9296
CTO #193
DOCUMENT CONTROL NO:
CLE-C01-01F193-S2-0001

WITH:
Jacobs Engineering Group, Inc.
3655 Nobel Drive, Suite 200
San Diego, California 92122

In association with:
International Technology Corporation
CH2M HILL

M. W. Arends 7/16/93

Mike Arends, P.E. — Date
CLEAN Project Manager
CH2M HILL, Inc.

15 July 1993

Raoul Portillo — Date
CLEAN Technical Reviewer
Jacobs Engineering Group Inc.

1002073B.SCO\93\MA

TABLE 4-1
COMPREHENSIVE LIST OF SWMUs AND AREAS OF CONCERN
IDENTIFIED DURING THE PRELIMINARY REVIEW/VISUAL SITE INSPECTION
MCAS EL TORO RFA

SWMU	SMWU TYPE	SOURCE (1)	LOCATION/BUILDING	COMMENTS	DATE	SIZE	MATERIAL	CONTENTS
61	Underground Storage Tank	f	205	Release detection 1989, Active	1943	25,000 gal	Steel-Lined Concrete	Waste JP-5
62	Underground Storage Tank	f	206	Release detection 1989, Active	1943	50,000 gal	Steel-Lined Concrete	Waste JP-5
63	Underground Storage Tank	f	207	Release detection 1989, Active	1943	50,000 gal	Steel-Lined Concrete	Waste JP-5
64	Hazardous Waste Storage Area	Active	240					
65	Underground Storage Tank	f	240	Active	1982	185 gal	Steel	Waste Oil
66	Oil/Water Separator	f	240	Active	1982	100 gal	Steel	
67	Drum Storage Area	b	242					
68	Oil/Water Separator (2)	f	244	Active	1944	100 gal	Concrete	
69	Drum Storage Area (2)	a	262					
70	Hazardous Waste Storage Area	Active	289					
71	Hazardous Waste Storage Area	Active, b	295	RI/FS Site				
72	Hazardous Waste Storage Area	Active	296					
73	Hazardous Waste Storage Area	Active, a	297					
74	Aircraft Wash Area	a	297					
75	Underground Storage Tank	f	297	Active	1988	1,000 gal	Fiberglass-Coated Steel	Fuel Slop
76	Oil/Water Separator	f	297	Active	1982	100 gal	Steel	
77	Underground Storage Tank	f	297	Active	1982	185 gal	Steel	Waste Oil
78	Drum Storage Area (2)	c	297			720 sq ft		
79	Drum Storage Area (2)	c	297			50 sq ft		
80	Drum Storage Area (2)	c	297			16 sq ft		
81	Drum Storage Area (2)	c	297			352 sq ft		
82	Drum Storage Area (2)	c	297			450 sq ft		
83	Hazardous Waste Storage Area	Active, a,b	298					
84	Oil/Water Separator	f	298	Active	1982	100 gal	Steel	
85	Underground Storage Tank	f	298	Active	1982	185 gal	Steel	Waste Oil
86	Drum Storage Area	c	298	Possible duplicate of SWMU/AOC 83		25 sq ft		
87	Drum Storage Area	c	298	Possible duplicate of SWMU/AOC 83		120 sq ft		
88	Drum Storage Area	e	306					
89	Drum Storage Area (2)	c	306			60 sq ft		
90	Former Sewage Treatment Plant	e	307					

TABLE 4-2
SWMUs AND AREAS OF CONCERN
RECOMMENDED FOR SAMPLING VISIT
MCAS EL TORO RFA

SWMU/ AOC NO.	TYPE	LOCATION/BUILDING
3	Marshburn Channel	See Figure 1-2 of the PR/VSI
4	Bee Canyon Wash	See Figure 1-2 of the PR/VSI
5	Borrego Canyon Wash	See Figure 1-2 of the PR/VSI
6	Landfarming site	NW Bee Canyon Wash
7	Transformer storage area	E of Bee Canyon Wash
8	Abandoned Well 50-3285	West of Bldg. 809
9	Fuel bladder	East of Agua Chinon Wash
11	Agua Chinon Wash	See Figure 1-2 of the PR/VSI
13	Drop Tank Fuel Storage Area	SW of bldgs 114 & 115
14	Drop Tank Storage Area	NW of bldgs 605
15	Wash water runoff site	SW of fueling stations 576
16	Wash water runoff site	NW of fueling stations 574
20	Underground Storage Tank	Bldg 414
26	Hazardous Waste Storage Area	5
27	Hazardous Waste Storage Area	10
30	Drum Storage Area	29
33	Hazardous Waste Storage Area	51
39	Hazardous Waste Storage Area	115
41	Vehicle Wash Rack	127
45	Drum Storage Area	155
46	Vehicle maintenance and parking	163
48	Underground Storage Tank	178
49	Underground Storage Tank	179
57	Underground Storage Tank	189
59	Underground Storage Tank	191
65	Underground Storage Tank	240
66	Oil/Water Separator	240
67 (1)	Drum Storage Area	242
70	Hazardous Waste Storage Area	289
72 (1)	Hazardous Waste Storage Area	296
73	Hazardous Waste Storage Area	297

Evaluation Form
SWMU/Area of Concern
Number 73

Unit Characteristics

The HWSA is located about 250 ft from the northwestern corner of Building 297 and adjacent to the northwestern Station boundary fence separating Buildings 297 and 388. The HWSA measures 12 x 12 ft in size. It consists of a concrete storage pad surrounded by a 6-in. concrete berm. A sump is located in the southwestern corner of the storage pad and an aluminum roof covers the storage area. The HWSA is bordered by an asphalt paved parking area.

The HWSA appeared to be in relatively good condition. There were no significant cracks in the concrete pad or berm. The storage surface was lightly stained; a dark stain surrounded the perimeter of the sump. A stain on the berm at the northwestern corner of the HWSA may indicate a minor spill to the adjacent asphalt.

Waste Characteristics

Waste oil
Hydraulic fluid
Battery acid

Potential Migration Pathways

Soil

Evidence of Release

None observed

Exposure Potential

Authorized on-Station personnel

Recommendations

This HWSA was stained within the storage area and at the edge of the berm. Although there is no evidence that a release to soil has occurred since the surrounding paved area is not cracked, this HWSA is recommended for a sampling visit.

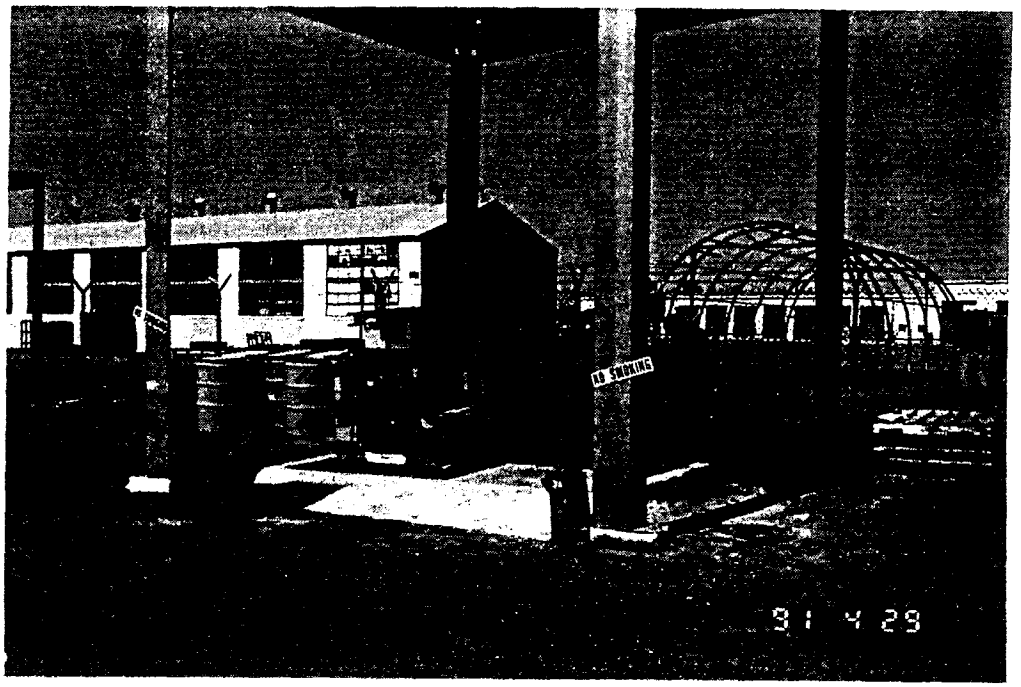
Evaluation Form
SWMU/Area of Concern
Number 73

Name: Hazardous Waste Storage Area

Location: West of Building 297

Size: 225 sq ft

Date of Site Visit: 29 April 1991



Period of Operation

Currently active

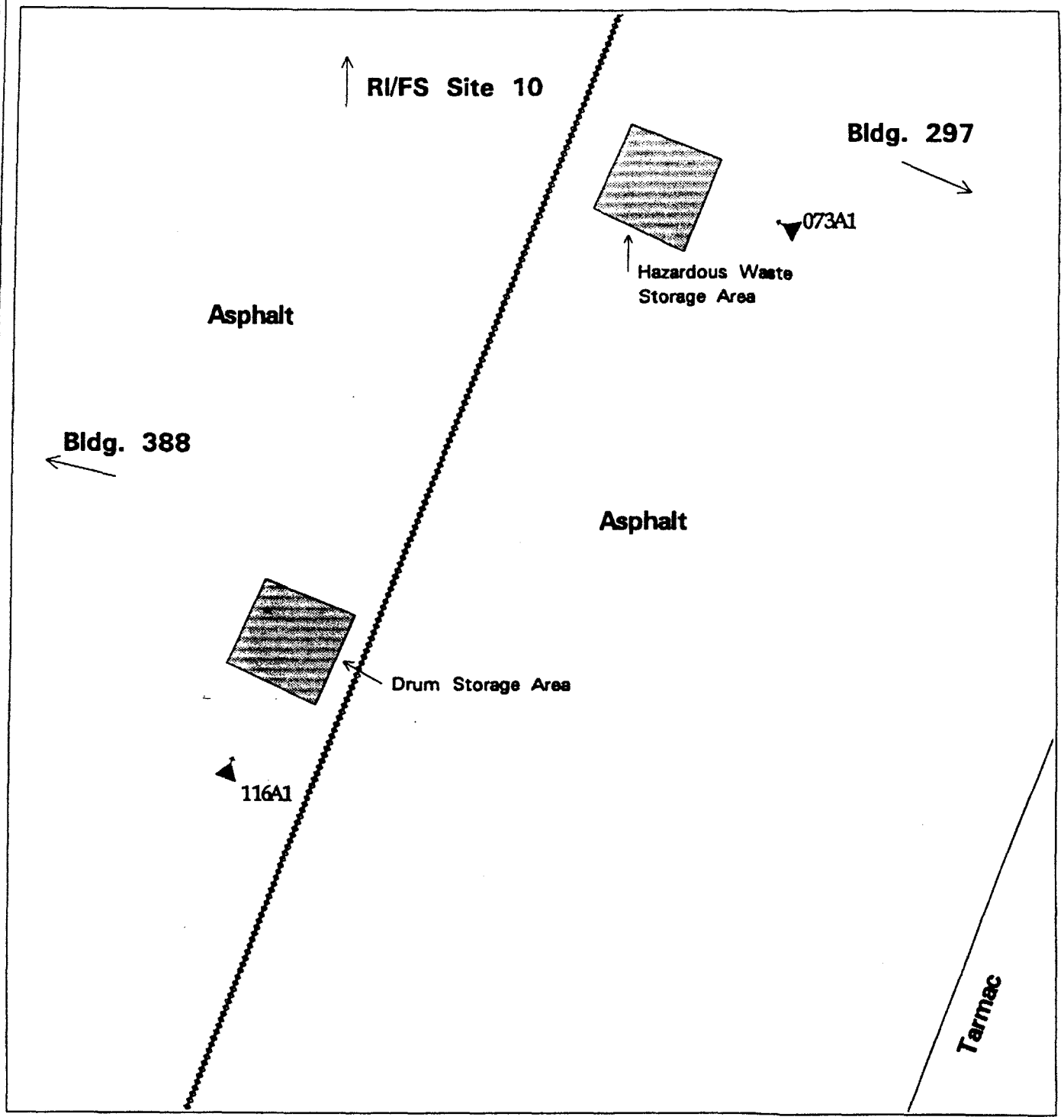


Figure 26 Sample Location Map

Boring Location and Number:

- 123H4 5′ Deep Boring
- 123B4 25′ Deep Boring
- 123A4 60′ Long, Angle Boring

Features:

- Building
- Concrete
- Fence
- Railroad

Scale

0 10 20 40 Feet

SWMU/AOC Number and Type:

73 - Hazardous Waste Storage Area

116 - Drum Storage Area

MCAS El Toro
RCRA Facility Assessment

MCAS EL TORO RCRA FACILITY ASSESSMENT -- SAMPLING VISIT RESULTS

SWMU/AOC NUMBER	SWMU/AOC TYPE (FIGURE)	BORING NUMBER	SAMPLE DEPTH (FEET)	ANALYTICAL TEST RESULTS							RECOMMENDATIONS	
				TPH (mg/kg)	TFH (mg/kg)		VOCs (ug/kg)	SVOCs (ug/kg)	PESTICIDES/PCBs (ug/kg)	METALS (mg/kg)	Action	Rationale
					Gasoline	Diesel						
73	Hazardous Waste Storage Area (26)	A1	10	ND	ND	ND	Methylene Chloride-9 BJ *	Di-n-butylphthalate-31 BJ *	ND	Aluminum-26900	NFA	TPH/TFH < 100 ppm VOCs < CRDL SVOCs < CRDL Pest/PCB < CRDL Metals < ETM & PRG CRDL - Contract Required Detection Limit
			10 (Duplicate)	ND	ND	ND	Methylene Chloride-6 BJ * Toluene-2 J	Diethylphthalate-35 J Di-n-butylphthalate-34 BJ * Bis(2-Ethylhexy)phthalate-22 BJ *	ND	Aluminum-21100		
			20	ND	ND	ND	Methylene Chloride-18 B * Toluene-1 J	Diethylphthalate-38 J Di-n-butylphthalate-32 BJ * Bis(2-Ethylhexy)phthalate-23 BJ *	ND	Aluminum-4500		
			30	ND	ND	ND	Methylene Chloride-18 B *	Diethylphthalate-30 J Di-n-butylphthalate-32 BJ * Bis(2-Ethylhexy)phthalate-35 BJ *	ND	Aluminum-842		
			40	ND	ND	ND	Methylene Chloride-12 B *	Diethylphthalate-25 J	ND	Aluminum-8320		
			50	ND	ND	ND	Methylene Chloride-10 BJ * Toluene-3 J	Diethylphthalate-27 J Di-n-butylphthalate-32 BJ * Bis(2-Ethylhexy)phthalate-38 BJ *	ND	Aluminum-16700		
			60	ND	ND	ND	Methylene Chloride-4 BJ * Acetone-3 J *	Diethylphthalate-22 J Di-n-butylphthalate-22 BJ *	ND	Aluminum-12000		

CH2M HILL

PROJECT NUMBER	BORING NUMBER
LA070022.SO.10	073A-1 SHEET 1 OF 2

SOIL BORING LOG

PROJECT NAVY CLEAN RCRA FACILITY ASSESSMENT LOCATION MCAS-EL TORO

ELEVATION _____ DRILLING CONTRACTOR BEYLIK DRILLING, INC., LA HABRA, CALIFORNIA

DRILLING METHOD AND EQUIPMENT HSA, 3-1/4" ID, 6-1/2" OD, GUS PECH BRAT-22

WATER LEVELS _____ START 10/20/92 FINISH 10/20/92 LOGGER K. HUCKRIEDE

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
					2" of asphalt at surface.	Start drilling at 08:25.
5.0					LEAN CLAY WITH SAND (CL), dark brown, moist, fine grained sand, fine gravel present.	
10.0	10.0					
	12.0	1-MC	1.7	13-21-11-35	LEAN CLAY WITH SAND (CL), brown, moist, very stiff, fine grained sand.	Headspace reading 5 ppm on OVA.
	14.0	1A-MC	1.7	40-30-14-26	Similar to 1-MC.	
15.0						
20.0	20.0					
	22.0	2-MC	1.7	22-22-22-40	POORLY GRADED SAND (SP), brown, moist, dense, fine to medium grained.	Headspace reading similar to background on HNu.
25.0						
30.0	30.0					
	32.0	3-MC	1.5	36-44-24-40	WELL GRADED SAND WITH SILT (SW-SM), yellow-brown, dry, dense.	Headspace reading 5 ppm on OVA, 1 ppm on HNu.

CH2M HILL

PROJECT NUMBER	BORING NUMBER
LA070022.S0.10	073A-1 SHEET 2 OF 2

SOIL BORING LOG

PROJECT NAVY CLEAN RCRA FACILITY ASSESSMENT LOCATION MCAS-EL TORO

ELEVATION _____ DRILLING CONTRACTOR BEYLIK DRILLING, INC., LA HABRA, CALIFORNIA

DRILLING METHOD AND EQUIPMENT HSA, 3-1/4" ID, 6-1/2" OD, GUS PECH BRAT-22

WATER LEVELS _____ START 10/20/92 FINISH 10/20/92 LOGGER K. HUCKRIEDE

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
40.0	40.0–42.0	4-MC	1.7	60-41-44-46	WELL GRADED SAND WITH SILT (SW-SM), yellow-brown, dry, very dense.	Headspace reading at 5.2 ppm on OVA.
45.0					SANDY LEAN CLAY (CL), brown, moist, dense, fine to medium grained sand.	
50.0	50.0–52.0	5-MC	1.9	54-67-66-100	LEAN CLAY WITH SAND (CL), brown, moist, hard, fine grained sand.	Headspace reading at 1.5 ppm.
55.0						
60.0	60.0–62.0	6-MC	1.7	38-49-49-38	POORLY GRADED SAND WITH SILT (SP-SM), brown, moist, very dense, fine grained.	Headspace reading at 1.4 ppm.
					Total Depth at 62.0 Feet.	
65.0						

Appendix B
BNI VSI Evaluation Report

Southwest Division
Naval Facilities Engineering Command
Contracts Department
1220 Pacific Highway, Room 135
San Diego, CA 92132-5187

Contract No. N68711-92-D-4670

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY

CLEAN II

FINAL ADDENDUM TO THE RCRA FACILITY ASSESSMENT MCAS EL TORO, CALIFORNIA (VOLUME 6 OF THE FINAL RFA REPORT)

CTO-0065/0170

May 1996

Prepared by:

BECHTEL NATIONAL, INC.
401 West A Street, Suite 1000
San Diego, CA 92101

Signature: _____ Date: 31 May 1996
Jacques Lord, CTO Leader

ACCUMULATION AREA EVALUATION CHECKLIST

(CIRCLE AS APPROPRIATE AND FILL IN COMPLETELY)

JOB 22214 CTO-0065
NAVY CLEAN II MCAS EL TORO RFA CONFIRMATION ACTIVITIES

GENERAL DESCRIPTION:

SWMU: **73** Accumulation Area (AA) #: **297**
Location (bldg): **Drum Storage Area/Bldg. 297**
Site Contact: **Captain Uribe** Ext: **4857**
Permission for Access? (Y) ~~N~~ If yes, explain: **Need key to open locked gate**
Type of Wastes Observed **None**

TYPE: (CIRCLE AS APPROPRIATE)

~~Locker~~ ~~Cabinet~~ (Pad) (Concrete)/~~Soil~~/~~Asphalt~~/floor
(Berm x2) (Fence) Fence Type: **Cyclone** ~~Indoor~~
(Pallets) (Drum(s)) No. of Drums: **16** (Outdoor)

CONDITION:

~~Stain(s)~~ ~~Odor(s)~~ ~~Crack(s)~~
Placards/Labels: (Y) ~~N~~ If Yes, list: **Hazwaste; Hazwaste Area #24**
Batteries
Hydraulic Fluid
Polyurethane Coating
Observations: **Roof over half of berm. Very minor stains. Sump grate appears oily. Crash crew environmental pad.**
Status: **Active as of 11-10-95.**

DIMENSIONS: (ESTIMATED SIZE OR AREA IN FT)

AA/SWMU: **10x20 ft.**
"Stain(s)" : **Slight grease or oil stains similar to private garage floor. Not worth considering decontamination.**
Any Restrictions To Access?: **Blast Fence and roof may obstruct some activities.**

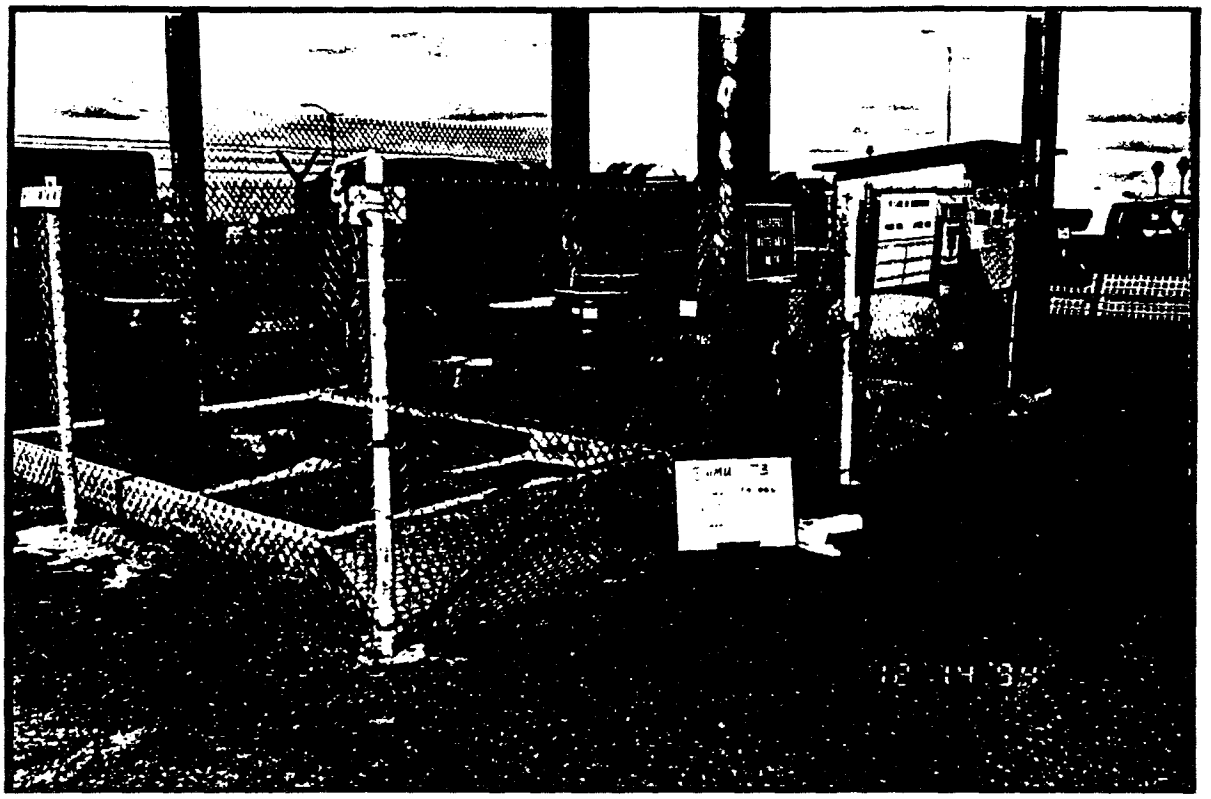
EVALUATION OF REMOVAL/DECONTAMINATION STRATEGY (CIRCLE AS APPROPRIATE)

Yes	(No)	Potential for release evident based on this surveillance
(Yes)	No	Potential for simple removal
Yes	(No)	Potential for decontamination activities prior to removal
Yes	(No)	Potential for sampling (describe:)
Yes	No	Potential for removal after additional assessment activities

SKETCH: (MAKE A SKETCH or ATTACH PHOTO(S) OF RELEVANT ACCESS, OBJECTS, WORK SPACE, ETC., AS APPROPRIATE, ON REVERSE OF THIS FORM)

DATE/TIME OF SURVEILLANCE: 12-02-94/13:55
UPDATED: 11-10-95
SURVEILLANCE PERFORMED BY: Larry Bauman

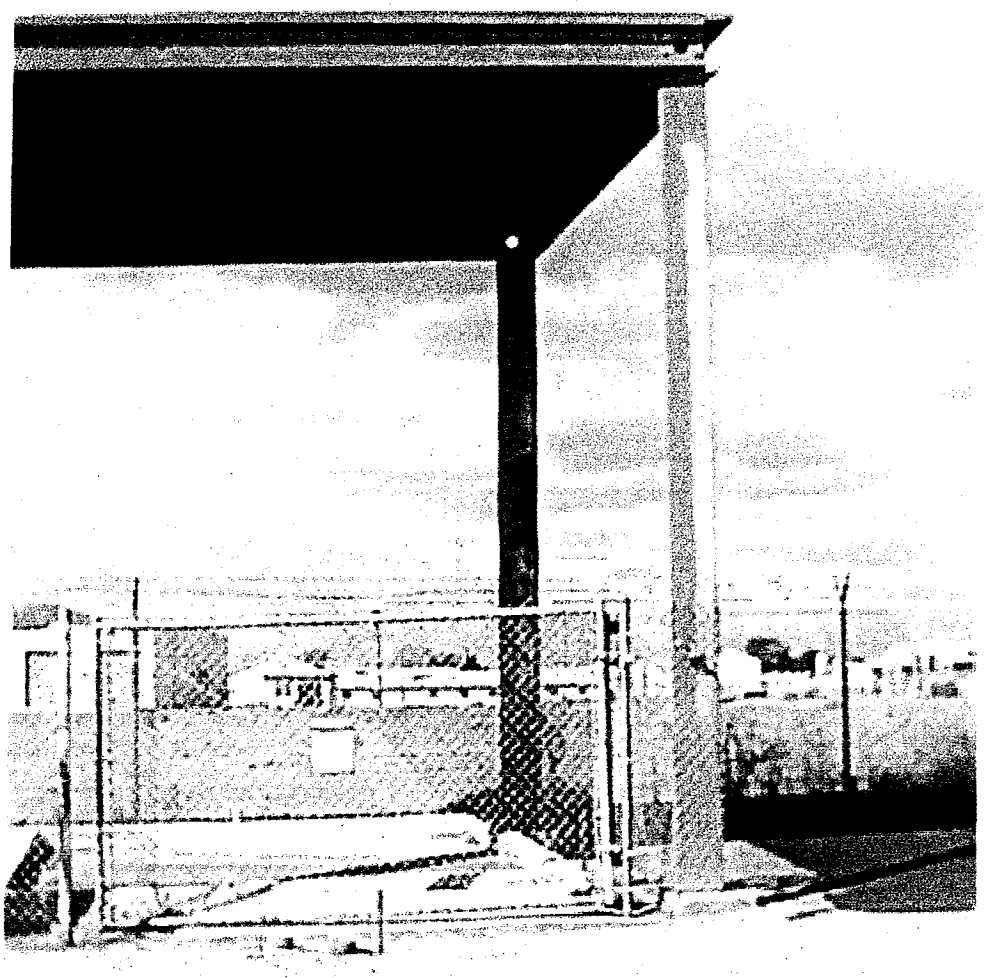
PHOTO LOG



SWMU #: 73

PHOTO DATE: 12-15-94

Appendix C
Site Photograph



Temporary Accumulation Area TAA 297

Marine Corps Air station, El Toro.

Appendix D
Site Assessment Log

SITE ASSESSMENT LOG

MCAS EL TORO

TEMPORARY ACCUMULATION AREA & RFA SITE

18609, D.O. 70

TAA SITE: 297 RFA SITE: – SWMU NO. 73

Field Observations by: D. Rawal **Date:** 11/8/99

TAA area: Paved or Unpaved

TAA 297 is 12X12 Concrete Pad with berm & Roof. Also Sump in Southwest Corner.

Paved: Concrete or Asphalt, Condition of the Concrete/Asphalt: Minor Cracks, Stains, etc.

Concrete Pad is in excellent condition no cracks or stains were observed. Also Sump is intact.

Unpaved: Open on the Ground or Inside the Building

Surrounding Area is Paved asphalt & no cracks on the Pad. Also JEG Sampling showed no contamination & NFA.

Is there any Drums or any types of Waste Stored: Yes/No, If Yes, Describe:

NONE.

Fenced: Yes/No, **Sump:** Yes/No, **Concrete Berm:** Yes/No, ___ inch, **Roof:** Yes/No

Describe other Structural details: Very Sound Concrete Pad, no heavy stains or cracks were observed on the Pad surface or Sump.

TAA Decontamination and/or Demolition Possible: Yes/No Not Applicable. Since TAA has no significant stains or cracks. Also TAA was cleaned with dry vacuum.

Site Setup Constrains: Equipment Operation, movement of Excavator or Backhoe None

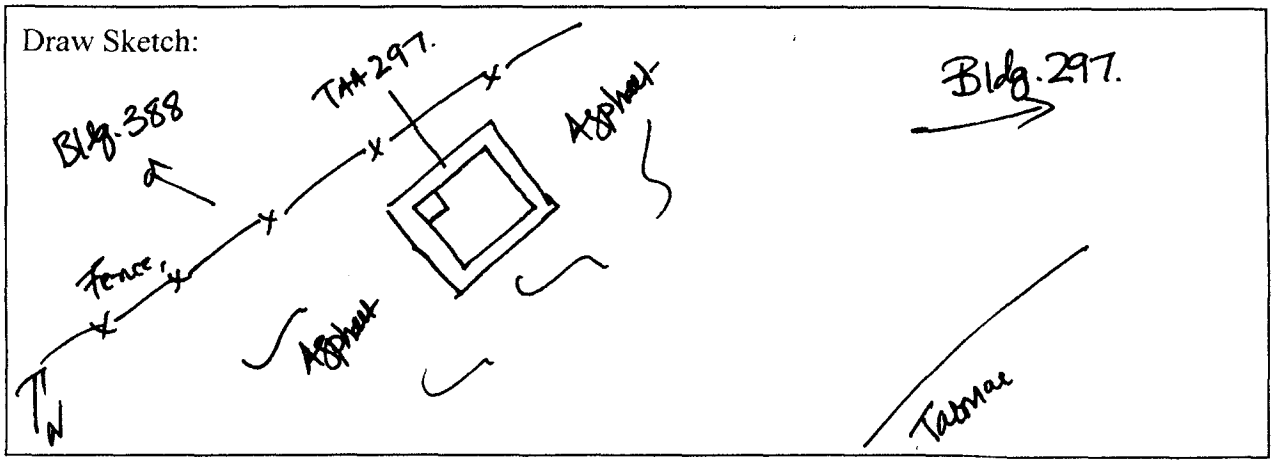
Nearest Building or Structure Distance: Bldg 297. Appx 250ft.

Any Underground Piping/Lines, or Transformer Observed: None

Overhead Utility Lines/Poles: None.

Photograph Roll No. 11 Please attach all the Photographs to this sheet.

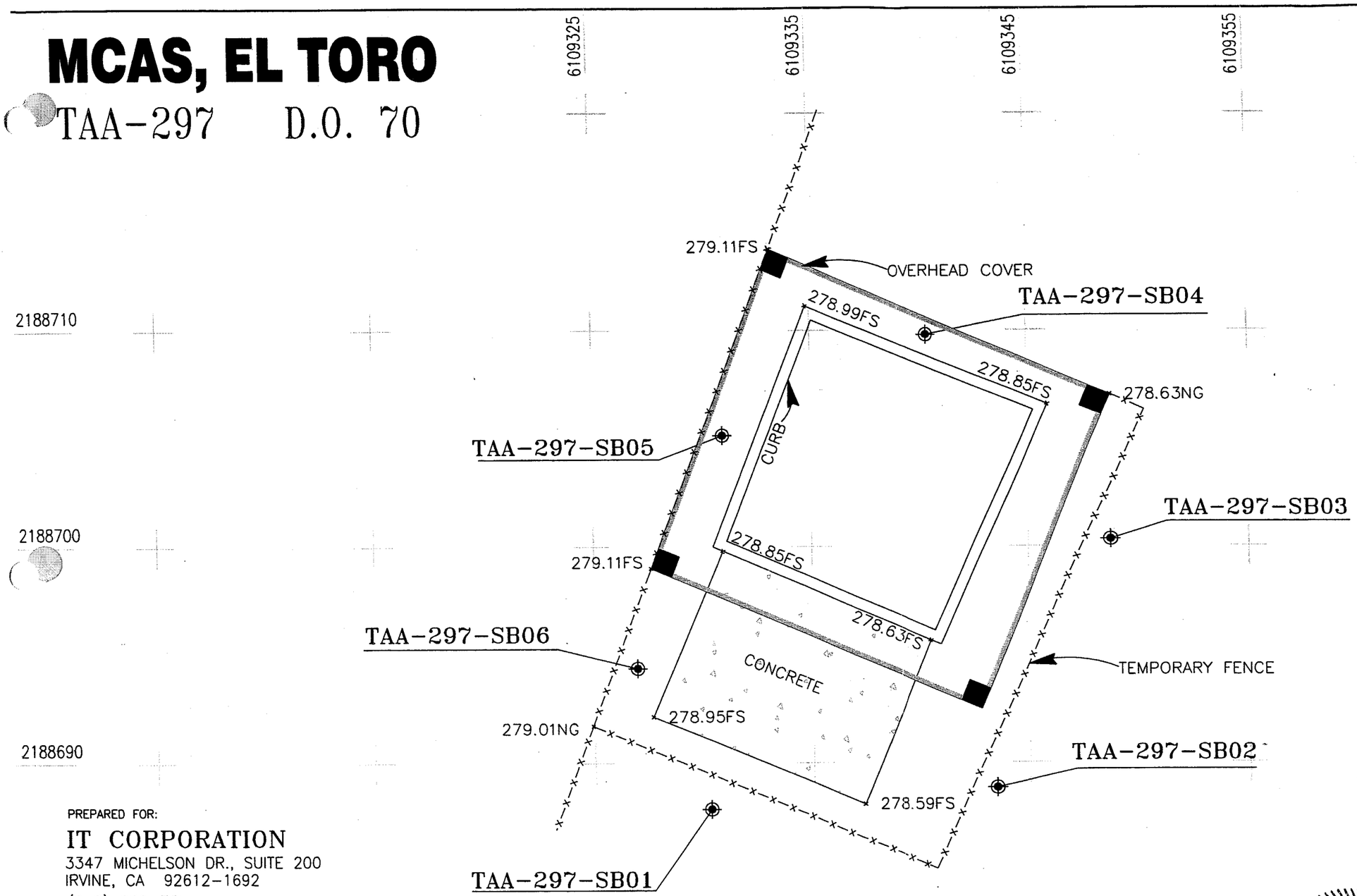
Draw Sketch:



Appendix E
Land Survey Data

MCAS, EL TORO

TAA-297 D.O. 70



Graphic Scale

5 0 2.5 5 10

(In Feet)

1 inch = 5 ft.

PREPARED FOR:

IT CORPORATION
3347 MICHELSON DR., SUITE 200
IRVINE, CA 92612-1692
(949) 660-7594

SAMPLE COORDINATE LISTING

NORTHING	EASTING	ELEVATION	NAME
2188687.88	6109330.25	278.37	TAA-297-SB01
2188688.84	6109343.50	278.15	TAA-297-SB02
2188700.31	6109348.69	278.31	TAA-297-SB03
2188709.78	6109340.47	278.75	TAA-297-SB04
2188705.16	6109330.94	278.73	TAA-297-SB05
2188694.39	6109326.97	278.67	TAA-297-SB06

LICENSED LAND SURVEYOR
EDWARD L. SCHMEL
L.S. 4240
Exp. 6-30-04
STATE OF CALIFORNIA

LEGEND

- SAMPLE POINTS
- VALVE
- FS FINISH SURFACE
- TC TOP OF CURB
- FH FIRE HYDRANT
- CHAIN LINK FENCE

DATE OF SURVEY: 2-15-00
REVISED BORE HOLE NUMBERS: 2-13-01

CAL VADA SURVEYING, INC.
108 Business Center Dr, Corona, Ca 92880-1782
PHONE: (909) 280-9960 FAX: (909) 280-9746

JOB NO. TAA-769

Appendix F
Laboratory Analytical Reports

the IT group

IT Corporation
2790 Mosside Blvd.
Monroeville, PA 15146-2792
(412)372-7701

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

A 10682

FORM 0019 REV. 9-99

TAA 769 297 per DE 4/19/00 MG 4/19/00

ACS LAB COORDINATOR: MONCEPION	LAB COORDINATOR'S PHONE: 941 (662-756)	LAB COORDINATOR'S FAX: 941-475-543	LABORATORY SERVICE ID: 008049	LABORATORY CONTACT: E-MAIL	MAIL REPORT (COMPANY NAME): IT GROUP
PROJECT NAME: [illegible]	PROJECT LOCATION: [illegible]	PROJECT NUMBER: [illegible]	LABORATORY PHONE: 1063-[illegible]	LABORATORY FAX	RECIPIENT NAME: D [illegible]
PROJECT CONTACT: MONCEPION	PROJECT PHONE NUMBER: 941-451-1667	PROJECT FAX: 941-475-543	LABORATORY ADDRESS: 600 MAPLE	ADDRESS: 3340 [illegible]	
PROJECT ADDRESS: —	CITY, STATE AND ZIP CODE	CLIENT: SW DIV	CITY, STATE AND ZIP CODE: MAUCE	CITY, STATE AND ZIP CODE: [illegible]	
PROJECT MANAGER: [illegible]	PROJECT MANAGER'S PHONE: 941 (662-5446)	PROJECT MANAGER'S FAX: —			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: METAL (6010)	GRO (8015)	TPH (GC)	TPH (DRO)	PH (9045)	TE (1030)	SGC	Comments
1	13609 297	S	2/1/00	1020	4C	3	1	5DV	X	X	X	X	X	X	X	
2	13609 298			1030					X	X	X	X	X	X	X	ANALYZE ONLY IF no hits 13609-297 HAS A HIT
3	13609 299			1040					X	X	X	X	X	X	X	
4	13609 [illegible]			1050					X	X	X	X	X	X	X	ANALYZE ONLY IF diesel+gas 13609-299 HAS A HIT [illegible]
5	13609 [illegible]			1100					X	X	X	X	X	X	X	
6	13609 [illegible]			1110					X	X	X	X	X	X	X	ANALYZE ONLY IF diesel+gas 13609-2801 HAS A HIT [illegible]
7	13609 [illegible]			1245					X	X	X	X	X	X	X	
8	13609 [illegible]			1255			14		X	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~ANALYZE ONLY IF MM 13609-[illegible] HAS A HIT~~
9	13609 [illegible]			[illegible]					X	X	X	X	X	X	X	ANALYZE ONLY IF diesel 13609-2803 HAS A HIT
10	13609 [illegible]			135					X	X	X	X	X	X	X	

SAMPLES COLLECTED BY: M-MAIN

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[illegible]	[illegible]	[illegible]	245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Manilla - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

MG 4/19/00

TAA 769 297 per DE 4/19/00

Sample Point Location	Sample Type G	C	F	QC
~~1-SB-01 18'~~	X			
TAA 769-SB-01 1.5-2.0' bgs				
~~2-SB-01 36'~~	X			
TAA 769-297 3.0-3.5' bgs				
~~3 SB-02 18'~~	X			
TAA 769-297 1.5'-2.0' bgs				
~~4 SB-02 36'~~				
TAA 769-SB-02 3.0-3.5' bgs				
~~5 SB-03 18'~~	X			
TAA 769-SB-03 1.5-2.0' bgs				
~~6 SB-03 36'~~	X			
TAA 769-SB-03 3.0-3.5' bgs				
~~7 SB-04 18'~~	X			
TAA 769-SB-03 1.5-2.0' bgs				
~~8 SB-04 18' WC~~	X		2.0-2.5	X
MM TAA 769-SB-04 1.5-2.0' bgs				
~~9-SB-04 36'~~	X			
TAA 769-SB-04 3.0-3.5' bgs				
~~10-SB-05 18'~~	X			
TAA 769-SB-05 1.5-2.0' bgs				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

4726

COMPLETED

the group Corporation
2790 Mosside Blvd.
Monroeville, PA 15146-2792
(412)372-7701

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

A 10681

TAA 769 297 per DR 4/19/00 Reg 4/19/00

FORM 0019 REV. 9-99

IT'S LAB COORDINATOR: M CONCANNON	LAB COORDINATOR'S PHONE: 941-662-7550	LAB COORDINATOR'S FAX: 941-475-5433	LABORATORY SERVICE ID: 008049	LABORATORY CONTACT: E. MAX	MAIL REPORT (COMPANY NAME): IT GROUP
PROJECT NAME: L TAA D-7D	PROJECT LOCATION: MT-A EL TUD	PROJECT NUMBER: 1669	LABORATORY PHONE: 302-674-2427	LABORATORY FAX:	RECIPIENT NAME: D ISHIDA
PROJECT CONTACT: M CONCANNON	PROJECT PHONE NUMBER: 941-661-1667	PROJECT FAX: 941-475-5433	LABORATORY ADDRESS: 600 MARE		ADDRESS: 3347 MICHELSON DRIVE
PROJECT ADDRESS: —	CITY, STATE AND ZIP CODE: —	CLIENT: CLU. DIV.	CITY, STATE AND ZIP CODE: TORRANCE CA		CITY, STATE AND ZIP CODE: IRVINE CA 92612
PROJECT MANAGER: R. SEDIAK	PROJECT MANAGER'S PHONE: 941-662-2442	PROJECT MANAGER'S FAX: —			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: METALS (6010)	GROSS ALPHA (900.0)	TOTAL CYANIDE (9010)	TOTAL PHENOLS (9065)	TOTAL TPH (418.1)	VOCS (8260)	SVOCS (8270)	Comments
1	18609-2807	S	2/4/00	1330	4°	3	2	5 DAY	X	X	X	X	X	X	X	ANALYZE ONLY IF DUPLICATE 18609-2806 HAS A HIT
2	18609-2808	S		1320		3	3		X	X	X	X	X	X	X	
3	18609-2809	S		1335		3	3		X	X	X	X	X	X	X	ANALYZE ONLY IF DUPLICATE 18609-2803 HAS A HIT
4	18609-2810	W		1350		2	3		X	X	X	X	X	X	X	
5	18609-2811	W		1400		2	3								X	
6																
7																
8																
9																
10																

SAMPLER COLLECTED BY: McMAIN

COURIER AND AIR BILL NUMBER: Walk

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
	[illegible]	2/4/00	[illegible]	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Manilla - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

TAA 769

Sample Point Location	Sample Type G	C	F	QC
1-SB-05 36'(00) 29'	X			
6 TAA 769-SB-05 3.0-3.6' bgs				
2 SB-05 (P)	X			
TAA 769-SB-06 1.5'-2.0' bgs				
3 SB-06 (P)	X			
TAA 769-SB-06 3.0-3.6' bgs				
4 EQUIP RINSE	X			X
5-TRIP BLANK				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

4726

EMAX
LABORATORIES, INC.
630 Maple Ave.
Torrance, CA 90503
Telephone: (310) 618-8889
Fax: (310) 618-0818

Date: 03-06-2000
EMAX Batch No.: 00B049

Attn: Dwayne Ishida

IT Corporation
3347 Michelson Dr. # 200
Irvine CA 92612

Subject: Laboratory Report
Project: MCAS El Toro/18609/D.O. 70

Enclosed is the Laboratory report for samples received on 02/09/00. The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
18609-2797	B049-01	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
18609-2798	B049-02	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
18609-2799	B049-03	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
18609-2800	B049-04	02/09/00	Soil	Semi Volatile Organics by GC/MS
				CAM Metals

Sample ID	Control #	Col Date	Matrix	Analysis
				Mercury
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
				Modified 8015 by Purge & Trap
				Modified 8015 by Extraction
18609-2801	B049-05	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
18609-2802	B049-06	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
18609-2803	B049-07	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
18609-2804	B049-08	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap
				Pesticides and PCBs by GC
				Volatile Organics by GC/MS
18609-2805	B049-09	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
18609-2806	B049-10	02/09/00	Soil	CAM Metals
				Mercury
				Semi Volatile Organics by GC/MS
				Modified 8015 by Extraction
				Modified 8015 by Purge & Trap

Sample ID	Control #	Col Date	Matrix	Analysis
18609-2807	B049-11	02/09/00	Soil	Pesticides and PCBs by GC Volatile Organics by GC/MS Semi Volatile Organics by GC/MS CAM Metals Mercury
18609-2808	B049-12	02/09/00	Soil	Modified 8015 by Extraction CAM Metals Mercury Semi Volatile Organics by GC/MS Modified 8015 by Extraction Modified 8015 by Purge & Trap
18609-2809	B049-13	02/09/00	Soil	Pesticides and PCBs by GC Volatile Organics by GC/MS CAM Metals Mercury Semi Volatile Organics by GC/MS
18609-2810	B049-14	02/09/00	Water	Modified 8015 by Extraction Modified 8015 by Purge & Trap Modified 8015 by Extraction Volatile Organics by GC/MS CAM Metals Mercury
18609-2811	B049-15	02/09/00	Water	Semi Volatile Organics by GC/MS Pesticides and PCBs by GC Volatile Organics by GC/MS

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

EMAX

METHOD M8015
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : SOIL
Instrument ID : GCT019

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/kg)	SUR1 (%)	SUR2 (%)	DLF	MOIST	RL (mg/kg)	MDL (mg/kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	DSB019SB	ND	109	104	1	NA	10	2.1	02/13/0022:12	02/11/0018:00	TB06049A	TB06046A	DSB019S	NA	02/11/00
LCS1S	DSB019SL	448	108	103	1	NA	10	2.1	02/13/0022:50	02/11/0018:00	TB06050A	TB06046A	DSB019S	NA	02/11/00
18609-2797	B049-01	ND	124	116	1	11.3	11.3	2.36	02/13/0023:27	02/11/0018:00	TB06051A	TB06046A	DSB019S	02/09/00	02/09/00
18609-2799	B049-03	5100**	142*	99	5	20.7	63.1	13.2	02/14/0015:51	02/11/0018:00	TB06077A	TB06068A	DSB019S	02/09/00	02/09/00
18609-2800	B049-04	3600**	132	102	2	17.2	24.2	5.06	02/14/0016:28	02/11/0018:00	TB06078A	TB06068A	DSB019S	02/09/00	02/09/00
18609-2801	B049-05	2100**	130	115	1	9.5	11	2.32	02/14/0001:56	02/11/0018:00	TB06055A	TB06046A	DSB019S	02/09/00	02/09/00
18609-2802	B049-06	4400**	140	101	2	18.2	24.4	5.12	02/14/0017:06	02/11/0018:00	TB06079A	TB06068A	DSB019S	02/09/00	02/09/00
18609-2803	B049-07	46***	119	117	1	10.5	11.2	2.34	02/14/0003:11	02/11/0018:00	TB06057A	TB06046A	DSB019S	02/09/00	02/09/00
18609-2804	B049-08	2100****	120	113	1	10.3	11.1	2.34	02/14/0005:03	02/11/0018:00	TB06060A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2805	B049-09	310***	117	121	1	15.0	11.8	2.47	02/14/0005:40	02/11/0018:00	TB06061A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2806	B049-10	350***	117	119	1	14.8	11.7	2.46	02/14/0006:17	02/11/0018:00	TB06062A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2807	B049-11	56***	120	119	1	9.7	11.1	2.32	02/14/0006:55	02/11/0018:00	TB06063A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2808	B049-12	24***	118	115	1	10.6	11.2	2.34	02/14/0007:32	02/11/0018:00	TB06064A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2808MS	B049-12M	594	117	118	1	10.6	11.2	2.34	02/14/0008:09	02/11/0018:00	TB06065A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2808MSD	B049-12S	564	120	121	1	10.6	11.2	2.34	02/14/0008:47	02/11/0018:00	TB06066A	TB06058A	DSB019S	02/09/00	02/09/00
18609-2809	B049-13	ND	104	104	1	15.4	11.8	2.48	02/14/0009:24	02/11/0018:00	TB06067A	TB06058A	DSB019S	02/09/00	02/09/00

QC LIMIT : (SOIL) 60-140 55-150
QC LIMIT : (WATER) 65-135 60-145
SURR1 : Bromobenzene
SURR2 : Hexacosane
RL : Reporting Limit
* : Matrix Interference
** : Mixture of JP5 and Diesel; calculated as Diesel.
*** : A non-typical Diesel and Motor oil pattern; calculated as Diesel.
**** : Chromatogram shows a Motor oil pattern; caculated as Diesel.

0.897

5004

ME[illegible] M8015
TOTAL PETROLEUM [illegible]CARBONS BY EXTRACTION

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : WATER
Instrument ID : GCT019

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	SUR1 (%)	SUR2 (%)	DLF	MOIST	RL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	DSB014WB	ND	82	99	1	NA	.1	.038	02/12/0002:01	02/10/0019:00	TB05028A	TB05026A	DSB014W	NA	02/10/00
LCS1W	DSB014WL	4.42	90	107	1	NA	.1	.038	02/12/0002:39	02/10/0019:00	TB05029A	TB05026A	DSB014W	NA	02/10/00
LCD1W	DSB014WC	4.31	89	98	1	NA	.1	.038	02/12/0003:16	02/10/0019:00	TB05030A	TB05026A	DSB014W	NA	02/10/00
18609-2810	B049-14	ND	91	100	1	NA	.1	.038	02/12/0005:45	02/10/0019:00	TB05034A	TB05026A	DSB014W	02/09/00	02/09/00

QC LIMIT : (SOIL) 60-140 55-150
QC LIMIT : (WATER) 65-135 60-145
SURR1 : Bromobenzene
SURR2 : Hexacosane
RL : Reporting Limit

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD M8015

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MATRIX:	SOIL		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	MBLK1S			
LAB SAMP ID:	DSB019SB	DSB019SL		
LAB FILE ID:	TB06049A	TB06050A		
DATE EXTRACTED:	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	NA
DATE ANALYZED:	02/13/0022:12	02/13/0022:50	DATE RECEIVED:	02/11/00
PREP. BATCH:	DSB019S	DSB019S		
CALIB. REF:	TB06046A	TB06046A		

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Diesel	ND	500	448	90	51-153

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SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Bromobenzene	100	108	108	60-140
Hexacosane	100	103	103	55-150

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

:LIENT: IT CORPORATION
'ROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
IET METHOD M8015

IATRIX:	SOIL			% MOISTURE:	10.6
ILUTION FACTOR:	1	1	1		
AMPLE ID:	18609-2808				
AB SAMP ID:	B049-12	B049-12M	B049-12S		
AB FILE ID:	TB06064A	TB06065A	TB06066A		
ATE EXTRACTED:	02/11/0018:00	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	02/09/00
ATE ANALYZED:	02/14/0007:32	02/14/0008:09	02/14/0008:47	DATE RECEIVED:	02/09/00
REP. BATCH:	DSB019S	DSB019S	DSB019S		
ALIB. REF:	TB06058A	TB06058A	TB06058A		

:CCESSION:

ARAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
iesel	24	559	594	102	559	564	97	5	51-153	50

IRROGATE PARAMETER	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	QC LIMIT (%)
omobenzene	112	131	117	112	135	120	60-140
xacosane	112	132	118	112	135	121	55-150

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD M8015

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MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	DSB014WB	DSB014WL	DSB014WC		
LAB FILE ID:	TB05028A	TB05029A	TB05030A		
DATE EXTRACTED:	02/10/0019:00	02/10/0019:00	02/10/0019:00	DATE COLLECTED:	NA
DATE ANALYZED:	02/12/0002:01	02/12/0002:39	02/12/0003:16	DATE RECEIVED:	02/10/00
PREP. BATCH:	DSB014W	DSB014W	DSB014W		
CALIB. REF:	TB05026A	TB05026A	TB05026A		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Diesel	ND	5	4.42	88	5	4.31	86	3	61-143	30

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SURROGATE PARAMETER	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	QC LIMIT (%)
Bromobenzene	1	.899	90	1	.885	89	65-135
Hexacosane	1	1.07	107	1	.983	98	60-145

METHOD 5[illegible]8/M8015
TOTAL PETROLEUM HYDR[illegible]ONS BY PURGE & TRAP

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : SOIL
Instrument ID : GCT039

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/kg)	SURR (%)	DLF	MOIST	PRL (mg/kg)	MDL (mg/kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	VAB1439B	ND	77	1	NA	1	.088	02/10/0019:30	02/10/0019:30	EB04051A	EB04050A	VAB1439	NA	02/10/00
LCS1S	VAB1439L	5.82	92	1	NA	1	.088	02/10/0020:05	02/10/0020:05	EB04052A	EB04050A	VAB1439	NA	02/10/00
LCD1S	VAB1439C	5.23	87	1	NA	1	.088	02/10/0020:40	02/10/0020:40	EB04053A	EB04050A	VAB1439	NA	02/10/00
MBLK2S	VMB1939B	ND	67	10	NA	10	.88	02/14/0012:13	02/14/0012:13	EB05004A	EB05003A	VMB1939	NA	02/14/00
LCS2S	VMB1939L	52.1	81	10	NA	10	.88	02/14/0012:48	02/14/0012:48	EB05005A	EB05003A	VMB1939	NA	02/14/00
LCD2S	VMB1939C	47.8	77	10	NA	10	.88	02/14/0013:23	02/14/0013:23	EB05006A	EB05003A	VMB1939	NA	02/14/00
18609-2797	B049-01	ND	69	1	11.3	1.13	.0992	02/11/0005:57	02/11/0005:57	EB04069A	EB04062A	VAB1439	02/09/00	02/09/00
18609-2799	B049-03	1000*	83	50	20.7	63.1	5.55	02/14/0020:58	02/14/0020:58	EB05019A	EB05015A	VMB1939	02/09/00	02/09/00
18609-2800	B049-04	2500*	78	200	17.2	242	21.3	02/14/0022:07	02/14/0022:07	EB05021A	EB05015A	VMB1939	02/09/00	02/09/00
18609-2801	B049-05	2500*	75	200	9.5	221	19.4	02/14/0021:32	02/14/0021:32	EB05020A	EB05015A	VMB1939	02/09/00	02/09/00
18609-2802	B049-06	3900*	73	400	18.2	489	43	02/14/0022:41	02/14/0022:41	EB05022A	EB05015A	VMB1939	02/09/00	02/09/00
18609-2803	B049-07	ND	68	1	10.5	1.12	.0983	02/11/0006:31	02/11/0006:31	EB04070A	EB04062A	VAB1439	02/09/00	02/09/00
18609-2804	B049-08	ND	64	1	10.3	1.11	.0981	02/11/0007:06	02/11/0007:06	EB04071A	EB04062A	VAB1439	02/09/00	02/09/00
18609-2806	B049-10	ND	67	1	14.8	1.17	.103	02/11/0007:41	02/11/0007:41	EB04072A	EB04062A	VAB1439	02/09/00	02/09/00
18609-2808	B049-12	ND	71	1	10.6	1.12	.0984	02/11/0010:00	02/11/0010:00	EB04076A	EB04073A	VAB1439	02/09/00	02/09/00

SURR : Bromofluorobenzene
PRL : Reporting Limit
* : Chromatogram exhibits pattern of heavier HC.

METHOD 5030B/M8015
TOTAL PETROLEUM HYDROCARBONS BY PURGE & TRAP

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : WATER
Instrument ID : GCT039

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/L)	SURR (%)	DLF	MOIST	PRL (mg/L)	MDL (mg/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	VAB1239B	ND	82	1	NA	.1	.018	02/09/0016:05	02/09/0016:05	EB04006A	EB04001A	VAB1239	NA	02/09/00
LCS1W	VAB1239L	1.1	92	1	NA	.1	.018	02/09/0016:40	02/09/0016:40	EB04007A	EB04001A	VAB1239	NA	02/09/00
LCD1W	VAB1239C	1.06	92	1	NA	.1	.018	02/09/0017:14	02/09/0017:14	EB04008A	EB04001A	VAB1239	NA	02/09/00
18609-2810	B049-14	ND	81	1	NA	.1	.018	02/10/0013:03	02/10/0013:03	EB04040A	EB04038A	VAB1239	02/09/00	02/09/00

SURR : Bromofluorobenzene
PRL : Reporting Limit
E : Value exceed the upper level of the initial calibration
D : Value from dilution

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 5030B/M8015

MATRIX: WATER % MOISTURE: NA

DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	VAB1239B	VAB1239L	VAB1239C		
LAB FILE ID:	EB04006A	EB04007A	EB04008A		
DATE EXTRACTED:	02/09/0016:05	02/09/0016:40	02/09/0017:14	DATE COLLECTED:	NA
DATE ANALYZED:	02/09/0016:05	02/09/0016:40	02/09/0017:14	DATE RECEIVED:	02/09/00
PREP. BATCH:	VAB1239	VAB1239	VAB1239		
CALIB. REF:	EB04001A	EB04001A	EB04001A		

ACCESSION:

PARAMETER	BLNK RSLT (mg/L)	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Gasoline	ND	1.1	1.1	100	1.1	1.06	97	3	67-136	30

SURROGATE PARAMETER	SPIKE AMT (mg/L)	BS RSLT (mg/L)	BS % REC	SPIKE AMT (mg/L)	BSD RSLT (mg/L)	BSD % REC	QC LIMIT (%)
Bromofluorobenzene	.05	.046	92	.05	.046	92	65-135

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 008049
METHOD: METHOD 5030B/M8015

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1S				
LAB SAMP ID:	VAB1439B	VAB1439L	VAB1439C		
LAB FILE ID:	EB04051A	EB04052A	EB04053A		
DATE EXTRACTED:	02/10/0019:30	02/10/0020:05	02/10/0020:40	DATE COLLECTED:	NA
DATE ANALYZED:	02/10/0019:30	02/10/0020:05	02/10/0020:40	DATE RECEIVED:	02/10/00
PREP. BATCH:	VAB1439	VAB1439	VAB1439		
CALIB. REF:	EB04050A	EB04050A	EB04050A		

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Gasoline	ND	5.5	5.82	106	5.5	5.23	95	11	57-146	50

SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	QC LIMIT (%)
Bromofluorobenzene	.25	.23	92	.25	.218	87	60-140

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PRO[illegible]: MCAS EL TORO/18609/D.O. 70
BA[illegible].: 008049
METHOD: METHOD 5030B/M8015

MATRIX: SOIL % MOISTURE: NA

DILUTION FACTOR:	10	10	10
SAMPLE ID:	MBLK2S		
LAB SAMP ID:	VMB1939B	VMB1939L	VMB1939C
LAB FILE ID:	EB05004A	EB05005A	EB05006A
DATE EXTRACTED:	02/14/0012:13	02/14/0012:48	02/14/0013:23
DATE ANALYZED:	02/14/0012:13	02/14/0012:48	02/14/0013:23
PREP. BATCH:	VMB1939	VMB1939	VMB1939
CALIB. REF:	EB05003A	EB05003A	EB05003A

DATE COLLECTED: NA
DATE RECEIVED: 02/14/00

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Gasoline	ND	55	52.1	95	55	47.8	87	8	57-146	50

SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	QC LIMIT (%)
romofluorobenzene	2.5	2.02	81	2.5	1.93	77	60-140

SW3550A/8081
PESTICIDES/PCBS

lient : IT CORPORATION	Date Collected: 02/09/00
roject : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
atch No. : 00B049	Date Extracted: 02/12/00 13:30
ample ID: 18609-2797	Date Analyzed: 02/14/00 20:14
ab Samp ID: B049-01	Dilution Factor: 1
ab File ID: WB14009A	Matrix : SOIL
xt Btch ID: CPB013S	% Moisture : 11.3
alib. Ref.: WB14003A	Instrument ID : GCT016

ARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
LPHA-BHC	.0011J | (ND)	.0021	.00045 | .00038
AMMA-BHC (LINDANE)	(ND) | ND	.023	.00036 | .00046
ETA-BHC	(ND) | ND	.037	.00029 | .0002
EPTACHLOR	(ND) | ND	.023	.00041 | .00044
ELTA-BHC	(ND) | ND	.012	.00025 | .00024
LDRIN	(ND) | ND	.017	.00027 | .00022
EPTACHLOR EPOXIDE	(ND) | ND	.024	.00033 | .00033
AMMA-CHLORDANE	(ND) | ND	.017	.00047 | .00083
LPHA-CHLORDANE	(ND) | ND	.017	.00068 | .00044
NDOSULFAN I	(ND) | ND	.024	.00053 | .00048
,4'-DDE	(ND) | ND	.047	.00051 | .00052
ELDRIN	(ND) | ND	.039	.00032 | .00025
NDRIN	(ND) | ND	.041	.00027 | .00024
4'-DDD	(ND) | ND	.0034	.00037 | .00039
NDOSULFAN II	(ND) | ND	.027	.0005 | .00048
4'-DDT	(ND) | ND	.0034	.00025 | .00025
DRIN ALDEHYDE	(ND) | ND	.018	.00022 | .00015
DOSULFAN SULFATE	(ND) | ND	.041	.00044 | .00039
THOXYCHLOR	(ND) | ND	.064	.00025 | .00022
OXAPHENE	(ND) | ND	.79	.0014 | .0023

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	89 | (92)	35-135
CACHLOROBIPHENYL	(84) | 80	25-143

L: Practical Quantitation Limit
ft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

:lie	: IT CORPORATION	Date Collected:	02/09/00
'ro	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
atch No.	: 00B049	Date Extracted:	02/12/00 13:30
ample ID:	18609-2799	Date Analyzed:	02/15/00 15:50
ab Samp ID:	B049-03	Dilution Factor:	1
ab File ID:	WB14032A	Matrix :	SOIL
xt Btch ID:	CPB013S	% Moisture :	20.7
alib. Ref.:	WB14028A	Instrument ID :	GCT016

ARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
LPHA-BHC	.0022J | (.001J)	.0024	.00051 | .00043
AMMA-BHC (LINDANE)	(ND) | ND	.025	.0004 | .00051
ETA-BHC	(ND) | ND	.042	.00032 | .00022
EPTACHLOR	.0017J | (ND)	.025	.00046 | .00049
ELTA-BHC	(ND) | ND	.014	.00028 | .00026
LDRIN	(ND) | ND	.019	.0003 | .00024
EPTACHLOR EPOXIDE	(ND) | ND	.026	.00037 | .00037
AMMA-CHLORDANE	(ND) | ND	.019	.00052 | .00093
LPHA-CHLORDANE	(ND) | ND	.019	.00076 | .00049
DOSULFAN I	(ND) | ND	.026	.0006 | .00053
4'-DDE	(.0028J) | .0022J	.053	.00057 | .00058
ELDRIN	(ND) | ND	.044	.00036 | .00028
DRIN	(ND) | ND	.045	.0003 | .00027
4'-DDD	.0099 | (.01)	.0038	.00041 | .00044
DOSULFAN II	(ND) | ND	.03	.00056 | .00054
4'-DDT	(ND) | ND	.0038	.00028 | .00028
DRI EHYDE	(ND) | ND	.02	.00025 | .00016
DO SULFATE	(ND) | ND	.045	.0005 | .00043
THOXYCHLOR	(ND) | ND	.072	.00028 | .00025
XAPHENE	(ND) | ND	.88	.0015 | .0026

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	82 | (86)	35-135
CACHLOROBIPHENYL	70 | (85)	25-143

L: Practical Quantitation Limit
ft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Client : IT CORPORATION	Date Collected: 02/09/00
Project : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 00B049	Date Extracted: 02/12/00 13:30
Sample ID: 18609-2800	Date Analyzed: 02/15/00 16:16
Lab Samp ID: B049-04	Dilution Factor: 1
Lab File ID: WB14033A	Matrix : SOIL
Ext Btch ID: CPB013S	% Moisture : 17.2
Calib. Ref.: WB14028A	Instrument ID : GCT016

ARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
LPHA-BHC	.0011J | (ND)	.0023	.00049 | .00041
AMMA-BHC (LINDANE)	(ND) | ND	.024	.00038 | .00049
ETA-BHC	.0035J | (ND)	.04	.00031 | .00021
EPTACHLOR	(ND) | .0014J	.024	.00044 | .00047
ELTA-BHC	(ND) | ND	.013	.00027 | .00025
LDRIN	(ND) | ND	.018	.00029 | .00023
EPTACHLOR EPOXIDE	(ND) | ND	.025	.00036 | .00036
AMMA-CHLORDANE	(ND) | ND	.018	.0005 | .00089
LPHA-CHLORDANE	(ND) | ND	.018	.00073 | .00047
NDOSULFAN I	(ND) | ND	.025	.00057 | .00051
,4'-DDE	(ND) | ND	.051	.00054 | .00056
IELDRIN	(ND) | ND	.042	.00035 | .00026
NDRIN	(ND) | ND	.043	.00029 | .00026
,4'-DDD	(ND) | ND	.0036	.00039 | .00042
NDOSULFAN II	(ND) | ND	.029	.00054 | .00051
4'-DDT	(ND) | ND	.0036	.00027 | .00027
NDRIN ALDEHYDE	(ND) | ND	.019	.00024 | .00016
NDOSULFAN SULFATE	(ND) | ND	.043	.00048 | .00041
THOXYCHLOR	(ND) | ND	.069	.00027 | .00024
OXAPHENE	(ND) | ND	.85	.0015 | .0025

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	76 | (87)	35-135
CACHLOROBIPHENYL	(78) | 72	25-143

QL: Practical Quantitation Limit
eft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Cli	: IT CORPORATION	Date Collected:	02/09/00
Pro	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/12/00 13:30
Sample ID:	18609-2801	Date Analyzed:	02/15/00 16:41
Lab Samp ID:	B049-05	Dilution Factor:	1
Lab File ID:	WB14034A	Matrix :	SOIL
Ext Btch ID:	CPB013S	% Moisture :	9.5
Calib. Ref.:	WB14028A	Instrument ID :	GCT016

ARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
LPHA-BHC	(ND)|ND	.0021	.00044|.00038
AMMA-BHC (LINDANE)	(ND)|ND	.022	.00035|.00045
ETA-BHC	(ND)|ND	.036	.00028|.00019
EPTACHLOR	(ND)|.001J	.022	.0004|.00043
ELTA-BHC	(ND)|ND	.012	.00025|.00023
DRIN	(ND)|ND	.017	.00026|.00021
EPTACHLOR EPOXIDE	(ND)|ND	.023	.00032|.00033
AMMA-CHLORDANE	(ND)|ND	.017	.00046|.00082
PHA-CHLORDANE	(ND)|ND	.017	.00067|.00043
NDOSULFAN I	(ND)|ND	.023	.00052|.00047
,4'-DDE	(ND)|.0015J	.046	.0005|.00051
IELDRIN	(ND)|ND	.039	.00032|.00024
NDRIN	(ND)|ND	.04	.00026|.00024
,4'-DDD	(.0022J)|.0018J	.0033	.00036|.00038
NDOSULFAN II	(ND)|ND	.027	.00049|.00047
4'-DDT	(ND)|ND	.0033	.00025|.00025
NDRI DEHYDE	(ND)|ND	.018	.00022|.00014
NDO SULFATE	(ND)|ND	.04	.00044|.00038
THOXYCHLOR	(ND)|ND	.063	.00025|.00022
OXAPHENE	(ND)|ND	.77	.0013|.0023

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	78|(80)	35-135
CACHLOROBIPHENYL	(80)|72	25-143

L: Practical Quantitation Limit
ft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Client : IT CORPORATION	Date Collected: 02/09/00
Project : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 008049	Date Extracted: 02/12/00 13:30
Sample ID: 18609-2803	Date Analyzed: 02/15/00 02:36
Lab Samp ID: B049-07	Dilution Factor: 1
Lab File ID: WB14024A	Matrix : SOIL
Ext Btch ID: CPB013S	% Moisture : 10.5
Calib. Ref.: WB14003A	Instrument ID : GCT016

PARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
ALPHA-BHC	(ND)|ND	.0021	.00045|.00038
GAMMA-BHC (LINDANE)	(ND)|ND	.022	.00035|.00045
BETA-BHC	(ND)|ND	.037	.00029|.00019
HEPTACHLOR	(ND)|.0012J	.022	.00041|.00044
DELTA-BHC	(ND)|ND	.012	.00025|.00023
ALDRIN	(ND)|ND	.017	.00027|.00021
HEPTACHLOR EPOXIDE	(ND)|ND	.023	.00033|.00033
GAMMA-CHLORDANE	(ND)|ND	.017	.00046|.00083
ALPHA-CHLORDANE	(ND)|ND	.017	.00067|.00043
ENDOSULFAN I	(ND)|ND	.023	.00053|.00047
P,4'-DDE	(ND)|ND	.047	.0005|.00052
DIELDRIN	(ND)|ND	.039	.00032|.00024
ENDRIN	(ND)|ND	.04	.00026|.00024
P,4'-DDD	(ND)|ND	.0034	.00036|.00039
ENDOSULFAN II	(ND)|ND	.027	.0005|.00047
P,4'-DDT	(ND)|ND	.0034	.00025|.00025
ENDRIN ALDEHYDE	(ND)|ND	.018	.00022|.00015
ENDOSULFAN SULFATE	(ND)|ND	.04	.00044|.00038
METHOXYCHLOR	.0064J|(ND)	.064	.00025|.00022
TOXAPHENE	(ND)|ND	.78	.0013|.0023

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	74|(87)	35-135
DECACHLOROBIPHENYL	(82)|66	25-143

PQL: Practical Quantitation Limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550A/8081
PESTICIDES/PCBS

lie[illegible]	: IT CORPORATION	Date Collected:	02/09/00
ro[illegible]	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
atch No.	: 00B049	Date Extracted:	02/12/00 13:30
ample ID:	18609-2804	Date Analyzed:	02/15/00 03:01
ab Samp ID:	B049-08	Dilution Factor:	1
ab File ID:	WB14025A	Matrix :	SOIL
xt Btch ID:	CPB013S	% Moisture :	10.3
alib. Ref.:	WB14003A	Instrument ID :	GCT016

RAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
.PHA-BHC	.0014J | (ND)	.0021	.00045 | .00038
MMA-BHC (LINDANE)	(ND) | ND	.022	.00035 | .00045
TA-BHC	(ND) | ND	.037	.00029 | .00019
PTACHLOR	(ND) | .0012J	.022	.00041 | .00043
LTA-BHC	(ND) | ND	.012	.00025 | .00023
DRIN	(ND) | ND	.017	.00027 | .00021
PTACHLOR EPOXIDE	(ND) | ND	.023	.00033 | .00033
MMA-CHLORDANE	(ND) | ND	.017	.00046 | .00082
PHA-CHLORDANE	(ND) | ND	.017	.00067 | .00043
DOSULFAN I	(ND) | ND	.023	.00053 | .00047
4'-DDE	(ND) | ND	.047	.0005 | .00052
ELDRIN	(ND) | ND	.039	.00032 | .00024
DRIN	(ND) | ND	.04	.00026 | .00024
4'-DDD	(ND) | ND	.0033	.00036 | .00038
DOSULFAN II	(ND) | ND	.027	.0005 | .00047
4'-DDT	(ND) | ND	.0033	.00025 | .00025
DR[illegible]EHYDE	(ND) | ND	.018	.00022 | .00014
DO[illegible] SULFATE	(ND) | ND	.04	.00044 | .00038
THOXYCHLOR	(ND) | ND	.064	.00025 | .00022
XAPHENE	(ND) | ND	.78	.0013 | .0023

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	76 | (82)	35-135
CACHLOROBIPHENYL	68 | (74)	25-143

L: Practical Quantitation Limit
ft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Client	: IT CORPORATION	Date Collected:	02/08/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/08/00
Batch No.	: 00B042	Date Extracted:	02/10/00 18:00
Sample ID:	18609-2792	Date Analyzed:	02/12/00 09:14
Lab Samp ID:	B042-09	Dilution Factor:	1
Lab File ID:	WB07172A	Matrix :	SOIL
Ext Btch ID:	CPB012S	% Moisture :	18.7
Calib. Ref.:	WB07161A	Instrument ID :	GCT016

PARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
LPHA-BHC	(ND) | ND	.0023	.00049 | .00042
AMMA-BHC (LINDANE)	(ND) | ND	.025	.00039 | .0005
ETA-BHC	(ND) | ND	.041	.00031 | .00021
EPTACHLOR	(ND) | .0032J	.025	.00045 | .00048
ELTA-BHC	(ND) | ND	.014	.00027 | .00026
LDRIN	(ND) | ND	.018	.00029 | .00024
EPTACHLOR EPOXIDE	(ND) | ND	.026	.00036 | .00037
AMMA-CHLORDANE	(ND) | ND	.018	.00051 | .00091
LPHA-CHLORDANE	(ND) | ND	.018	.00074 | .00048
NDOSULFAN I	(ND) | ND	.026	.00058 | .00052
,4'-DDE	(ND) | ND	.052	.00055 | .00057
IELDRIN	(ND) | ND	.043	.00035 | .00027
NDRIN	(ND) | ND	.044	.00029 | .00026
,4'-DDD	(ND) | ND	.0037	.0004 | .00042
NDOSULFAN II	(ND) | ND	.03	.00055 | .00052
,4'-DDT	(ND) | ND	.0037	.00028 | .00027
NDRIN ALDEHYDE	(ND) | ND	.02	.00024 | .00016
NDOSULFAN SULFATE	(ND) | ND	.044	.00048 | .00042
ETHOXYCHLOR	(ND) | ND	.07	.00027 | .00024
OXAPHENE	(ND) | ND	.86	.0015 | .0026

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
ETRACHLORO-M-XYLENE	73 | (85)	35-135
ECACHLOROBIPHENYL	(86) | 76	25-143

QL: Practical Quantitation Limit
eft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Cli : IT CORPORATION	Date Collected: 02/09/00
Pro : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 00B049	Date Extracted: 02/12/00 13:30
Sample ID: 18609-2806	Date Analyzed: 02/15/00 00:54
Lab Samp ID: B049-10	Dilution Factor: 1
Lab File ID: WB14020A	Matrix : SOIL
Ext Btch ID: CPB013S	% Moisture : 14.8
Calib. Ref.: WB14003A	Instrument ID : GCT016

PARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
ALPHA-BHC	(ND)|ND	.0022	.00047|.0004
GAMMA-BHC (LINDANE)	(ND)|ND	.023	.00037|.00048
BETA-BHC	(ND)|ND	.039	.0003|.0002
HEPTACHLOR	(ND)|.0014J	.023	.00043|.00046
DELTA-BHC	(ND)|ND	.013	.00026|.00025
ALDRIN	(ND)|ND	.018	.00028|.00023
HEPTACHLOR EPOXIDE	(ND)|ND	.025	.00035|.00035
GAMMA-CHLORDANE	(ND)|ND	.018	.00048|.00087
ALPHA-CHLORDANE	(ND)|ND	.018	.00071|.00046
ENDOSULFAN I	(ND)|ND	.025	.00056|.0005
4,4'-DDE	(ND)|ND	.049	.00053|.00054
DIELDRIN	(ND)|ND	.041	.00034|.00026
ENDRIN	(ND)|ND	.042	.00028|.00025
4,4'-DDD	(ND)|ND	.0035	.00038|.0004
ENDOSULFAN II	(ND)|ND	.028	.00052|.0005
4,4'-DDT	(ND)|ND	.0035	.00027|.00026
ND[illegible]DEHYDE	(ND)|ND	.019	.00023|.00015
ND[illegible]N SULFATE	(ND)|ND	.042	.00046|.0004
METHOXYCHLOR	(ND)|ND	.067	.00026|.00023
TOXAPHENE	(ND)|ND	.82	.0014|.0024

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	84|(90)	35-135
DECACHLOROBIPHENYL	(70)|69	25-143

PQL: Practical Quantitation Limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Client : IT CORPORATION	Date Collected: 02/09/00
Project : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 00B049	Date Extracted: 02/12/00 13:30
Sample ID: 18609-2808	Date Analyzed: 02/15/00 01:45
Lab Samp ID: B049-12	Dilution Factor: 1
Lab File ID: WB14022A	Matrix : SOIL
Ext Btch ID: CPB013S	% Moisture : 10.6
Calib. Ref.: WB14003A	Instrument ID : GCT016

PARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
ALPHA-BHC	(ND)|ND	.0021	.00045|.00038
GAMMA-BHC (LINDANE)	(ND)|ND	.022	.00035|.00046
BETA-BHC	(ND)|ND	.037	.00029|.00019
HEPTACHLOR	(ND)|ND	.022	.00041|.00044
DELTA-BHC	(ND)|ND	.012	.00025|.00023
ALDRIN	(ND)|ND	.017	.00027|.00021
HEPTACHLOR EPOXIDE	(ND)|ND	.023	.00033|.00033
GAMMA-CHLORDANE	(ND)|ND	.017	.00046|.00083
ALPHA-CHLORDANE	(ND)|ND	.017	.00067|.00043
ENDOSULFAN I	(ND)|ND	.023	.00053|.00047
4,4'-DDE	(ND)|ND	.047	.0005|.00052
DIELDRIN	(ND)|ND	.039	.00032|.00024
ENDRIN	(ND)|ND	.04	.00026|.00024
4,4'-DDD	(ND)|ND	.0034	.00036|.00039
ENDOSULFAN II	(ND)|ND	.027	.0005|.00048
4,4'-DDT	(ND)|ND	.0034	.00025|.00025
ENDRIN ALDEHYDE	(ND)|ND	.018	.00022|.00015
ENDOSULFAN SULFATE	(ND)|ND	.04	.00044|.00038
METHOXYCHLOR	(ND)|ND	.064	.00025|.00022
TOXAPHENE	(ND)|ND	.78	.0013|.0023

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	66|(74)	35-135
DECACHLOROBIPHENYL	(78)|73	25-143

PQL: Practical Quantitation Limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3520B/8081
PESTICIDES/PCBS

:lie : IT CORPORATION	Date Collected: 02/09/00
'rc : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
3ato . : 00B049	Date Extracted: 02/10/00 19:00
Sample ID: 18609-2810	Date Analyzed: 02/12/00 12:12
.ab Samp ID: B049-14	Dilution Factor: .98
.ab File ID: WB07179A	Matrix : WATER
xt Btch ID: CPB011W	% Moisture : NA
alib. Ref.: WB07161A	Instrument ID : GCT016

ARAMETERS	RESULTS (ug/L)	PQL (ug/L)	MDL (ug/L)
LPHA-BHC	(ND)|ND	.34	.015|.02
AMMA-BHC (LINDANE)	(ND)|ND	.25	.013|.021
ETA-BHC	(ND)|ND	.23	.018|.025
EPTACHLOR	(ND)|.047J	.39	.015|.031
ELTA-BHC	(ND)|ND	.24	.013|.012
LDRIN	(ND)|ND	.029	.012|.011
EPTACHLOR EPOXIDE	(ND)|ND	.31	.02|.046
AMMA-CHLORDANE	(ND)|ND	.36	.022|.02
LPHA-CHLORDANE	(ND)|ND	.78	.025|.026
NDOSULFAN I	(ND)|ND	.29	.03|.018
,4'-DDE	(ND)|ND	.49	.022|.021
IELDRIN	(ND)|ND	.43	.011|.012
NDRIN	(ND)|ND	.38	.016|.11
,4'-DDD	(ND)|ND	.49	.032|.02
NDOSULFAN II	(ND)|ND	.39	.021|.025
,4'-DDT	(ND)|ND	.098	.018|.023
NDRIN ALDEHYDE	(ND)|ND	.49	.024|.024
NDO SULFATE	(ND)|ND	.34	.019|.02
ETHOXYCHLOR	(ND)|ND	.84	.012|.013
OXAPHENE	(ND)|ND	2	.12|.11

JRROGATE PARAMETERS	% RECOVERY	QC LIMIT
ETRACHLORO-M-XYLENE	78|(80)	45-125
ECACHLOROBIPHENYL	(102)|90	34-133

QL: Practical Quantitation Limit
eft of | is related to first column ; Right of | related to second column
) included the reported column

SW3520B/8081
PESTICIDES/PCBS

lient	: IT CORPORATION	Date Collected:	NA
roject	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/10/00
atch No.	: 00B049	Date Extracted:	02/10/00 19:00
ample ID:	MBLK1W	Date Analyzed:	02/12/00 10:30
ab Samp ID:	CPA011WB	Dilution Factor:	1
ab File ID:	WB07175A	Matrix :	WATER
xt Btch ID:	CPB011W	% Moisture :	NA
alib. Ref.:	WB07161A	Instrument ID :	GCT016

ARAMETERS	RESULTS (ug/L)	PQL (ug/L)	MDL (ug/L)
PHA-BHC	(ND)|ND	.35	.015|.02
MMA-BHC (LINDANE)	(ND)|ND	.25	.013|.021
TA-BHC	(ND)|ND	.23	.018|.025
PTACHLOR	(ND)|.032J	.4	.015|.032
LTA-BHC	(ND)|ND	.24	.013|.012
DRIN	(ND)|ND	.03	.012|.011
PTACHLOR EPOXIDE	(ND)|ND	.32	.02|.047
MMA-CHLORDANE	(ND)|ND	.37	.022|.02
PHA-CHLORDANE	(ND)|ND	.8	.025|.027
DOSULFAN I	(ND)|ND	.3	.031|.018
,4'-DDE	(ND)|ND	.5	.022|.021
ELDRIN	(ND)|ND	.44	.011|.012
DRIN	(ND)|ND	.39	.016|.12
,4'-DDD	(ND)|ND	.5	.033|.02
DOSULFAN II	(ND)|ND	.4	.021|.025
4'-DDT	(ND)|ND	.1	.018|.023
DRIN ALDEHYDE	(ND)|ND	.5	.024|.024
DOSULFAN SULFATE	(ND)|ND	.35	.019|.02
THOXYCHLOR	(ND)|ND	.86	.012|.013
XAPHENE	(ND)|ND	2	.12|.12

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
TRACHLORO-M-XYLENE	73|(76)	45-125
CACHLOROBIPHENYL	(91)|84	34-133

L: Practical Quantitation Limit
eft of | is related to first column ; Right of | related to second column
) included the reported column

SW3550A/8081
PESTICIDES/PCBS

Cli	: IT CORPORATION	Date Collected:	NA
Pro	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/12/00
Batch No.	: 00B049	Date Extracted:	02/12/00 13:30
Sample ID:	MBLK1S	Date Analyzed:	02/14/00 19:23
Lab Samp ID:	CPA013SB	Dilution Factor:	1
Lab File ID:	WB14007A	Matrix :	SOIL
Ext Btch ID:	CPB013S	% Moisture :	NA
Calib. Ref.:	WB14003A	Instrument ID :	GCT016

PARAMETERS	RESULTS (mg/kg)	PQL (mg/kg)	MDL (mg/kg)
ALPHA-BHC	(ND)|ND	.0019	.0004|.00034
GAMMA-BHC (LINDANE)	(ND)|ND	.02	.00032|.00041
BETA-BHC	(ND)|ND	.033	.00026|.00017
HEPTACHLOR	(ND)|ND	.02	.00036|.00039
DELTA-BHC	(ND)|ND	.011	.00022|.00021
ALDRIN	(ND)|ND	.015	.00024|.00019
HEPTACHLOR EPOXIDE	(ND)|ND	.021	.00029|.0003
GAMMA-CHLORDANE	(ND)|ND	.015	.00041|.00074
ALPHA-CHLORDANE	(ND)|ND	.015	.0006|.00039
ENDOSULFAN I	(ND)|ND	.021	.00047|.00042
P,4'-DDE	(ND)|ND	.042	.00045|.00046
DIELDRIN	(ND)|ND	.035	.00029|.00022
ENDRIN	(ND)|ND	.036	.00024|.00021
P,4'-DDD	(ND)|ND	.003	.00033|.00035
ENDOSULFAN II	(ND)|ND	.024	.00045|.00042
P,4'-DDT	(ND)|ND	.003	.00023|.00022
ND[illegible]DEHYDE	(ND)|ND	.016	.0002|.00013
ND[illegible]N SULFATE	(ND)|ND	.036	.00039|.00034
METHOXYCHLOR	(ND)|ND	.057	.00022|.0002
TOXAPHENE	(ND)|ND	.7	.0012|.0021

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	85|(88)	35-135
DECACHLOROBIPHENYL	(87)|84	25-143

PQL: Practical Quantitation Limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: IT CORPORATION
OJECT: MCAS EL TORO/18609/D.O. 70
TCH NO.: 00B049
THOD: SW3520B/8081

TRIX:	WATER			% MOISTURE:	NA
LUTION FACTOR:	1	1	1		
MPLE ID:	MBLK1W				
B SAMP ID:	CPA011WB	CPA011WL	CPA011WC		
B FILE ID:	WB07175A	WB07176A	WB07177A		
TE EXTRACTED:	02/10/0019:00	02/10/0019:00	02/10/0019:00	DATE COLLECTED:	NA
TE ANALYZED:	02/12/0010:30	02/12/0010:55	02/12/0011:21	DATE RECEIVED:	02/10/00
EP. BATCH:	CPB011W	CPB011W	CPB011W		
LIB. REF:	WB07161A	WB07161A	WB07161A		

CESSION:

RAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
mma-BHC (Lindane)	(ND)|ND	.2	.183J|(.199J)	92|(100)	.2	.184J|(.201J)	92|(100)	1|(1)	43-125	30
ptachlor	(ND)|.032J	.2	.21J|(.255J)	105|(111)	.2	.21J|(.255J)	105|(111)	0|(0)	45-128	30
drin	(ND)|ND	.2	(.213)|.196	(106)|98	.2	(.213)|.197	(106)|98	(0)|1	47-125	30
eldrin	(ND)|ND	.4	.41J|(.432J)	102|(108)	.4	.412J|(.436J)	103|(109)	0|(1)	42-132	30
drin	(ND)|ND	.4	.448|(.481)	112|(120)	.4	.452|(.485)	113|(121)	1|(1)	43-134	30
4'-DDT	(ND)|ND	.4	.388|(.437)	97|(109)	.4	.395|(.444)	99|(111)	2|(2)	34-143	30

RROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
trachloro-m-xylene	.2	.147|(.151)	74|(76)	.2	.148|(.152)	74|(76)	45-125
cachlorobiphenyl	.2	(.191)|.166	(96)|83	.2	(.193)|.168	(97)|84	34-133

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EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: IT CORPORATION
PRO[illegible]: MCAS EL TORO/18609/D.O. 70
BA[illegible].: 00B049
ME[illegible]: SW3550A/8081

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MATRIX: SOIL % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: MBLK1S
LAB SAMP ID: CPA013SB CPA013SL
LAB FILE ID: WB14007A WB14008A
DATE EXTRACTED: 02/12/0013:30 02/12/0013:30 DATE COLLECTED: NA
DATE ANALYZED: 02/14/0019:23 02/14/0019:49 DATE RECEIVED: 02/12/00
PREP. BATCH: CPB013S CPB013S
CALIB. REF: WB14003A WB14003A

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
gamma-BHC (Lindane)	(ND)|ND	.00667	.00678J|(.00724J)	102|(109)	33-130
Heptachlor	(ND)|ND	.00667	.00703J|(.00754J)	105|(113)	35-138
Aldrin	(ND)|ND	.00667	(.00705J)|.00696J	(106)|104	37-126
Dieldrin	(ND)|ND	.0133	(.0149J)|.0147J	(112)|110	32-142
Endrin	(ND)|ND	.0133	.0153J|(.016J)	115|(120)	33-144
p,p'-DDT	(ND)|ND	.0133	.0103|(.0133)	77|(100)	25-153

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SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.0133	.0116|(.012)	87|(90)	35-133
Decachlorobiphenyl	.0133	(.0118)|.0113	(89)|85	25-143

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

.IENT: IT CORPORATION
:OJECT: MCAS EL TORO/18609/D.O. 70
\TCH NO.: 00B049
:THOD: SW3550A/8081

\TRIX: SOIL % MOISTURE: 15.0

:LUTION FACTOR:	1	1	1		
\MPLE ID:	18609-2805				
\B SAMP ID:	B049-09	B049-09M	B049-09S		
\B FILE ID:	WB14017A	WB14018A	WB14019A		
\TE EXTRACTED:	02/12/0013:30	02/12/0013:30	02/12/0013:30	DATE COLLECTED:	02/09/00
\TE ANALYZED:	02/14/0023:38	02/15/0000:03	02/15/0000:28	DATE RECEIVED:	02/09/00
:EP. BATCH:	CPB013S	CPB013S	CPB013S		
\LIB. REF:	WB14003A	WB14003A	WB14003A		

:CESSION:

\RAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
amma-BHC (Lindane)	(ND)|ND	.00785	.0071J|(.0075J)	90|(96)	.00785	.0071J|(.0075J)	90|(96)	0|(0)	33-130	50
eptachlor	(ND)|ND	.00785	.0076J|(.0096J)	97|(122)	.00785	.0076J|(.0095J)	97|(121)	0|(1)	35-138	50
ldrin	(ND)|ND	.00785	.0074J|(.0075J)	94|(96)	.00785	.0074J|(.0075J)	94|(96)	0|(0)	37-126	50
ieldrin	(ND)|ND	.0157	(.016J)|.016J	(102)|102	.0157	(.016J)|.016J	(102)|102	(0)|0	32-142	50
ndrin	(ND)|ND	.0157	(.019J)|.019J	(121)|121	.0157	(.019J)|.019J	(121)|121	(0)|0	33-144	50
,4'-DDT	(ND)|ND	.0157	.015|(.017)	96|(108)	.0157	.015|(.017)	96|(108)	0|(0)	25-153	50

JRROGATE PARAMETER	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	QC LIMIT (%)
etrachloro-m-xylene	.0157	.01|(.012)	66|(77)	.0157	.01|(.012)	66|(77)	35-133
ecachlorobiphenyl	.0157	(.013)|.012	(81)|74	.0157	(.013)|.012	(82)|75	25-143

5110

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client : IT CORPORATION	Date Collected: 02/09/00
Pr : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Ba D. : 00B049	Date Extracted: 02/10/00 14:45
Sample ID: 18609-2797	Date Analyzed: 02/12/00 07:50
Lab Samp ID: B049-01	Dilution Factor: 0.83
Lab File ID: RBQ271	Matrix : SOIL
Ext Btch ID: VOB1705	% Moisture : 11.3
Calib. Ref.: RBQ257	Instrument ID : T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	4.7	.31
1,1,2,2-TETRACHLOROETHANE	ND	4.7	.31
1,1,2-TRICHLOROETHANE	ND	4.7	.22
1,1-DICHLOROETHANE	ND	4.7	.28
1,1-DICHLOROETHENE	ND	4.7	.5
1,2-DICHLOROETHANE	ND	4.7	.31
1,2-DICHLOROPROPANE	ND	4.7	.35
2-BUTANONE	ND	47	4.8
2-CHLOROETHYLVINYLETHER	ND	47	.16
2-HEXANONE	ND	47	1.2
4-METHYL-2-PENTANONE	ND	47	1.1
ACETONE	23J	47	3.8
BENZENE	ND	4.7	.23
BROMODICHLOROMETHANE	ND	4.7	.24
BROMOFORM	ND	4.7	.26
BROMOMETHANE	ND	4.7	.6
CARBON DISULFIDE	ND	4.7	.12
CARBON TETRACHLORIDE	ND	4.7	.74
CHLOROBENZENE	ND	4.7	.18
CHLOROETHANE	ND	4.7	1.7
CHLOROFORM	ND	4.7	.4
CHLOROMETHANE	ND	4.7	1.9
IS ICHLOROETHENE	ND	4.7	.27
IS ICHLOROPROPENE	ND	4.7	.21
IBROMOCHLOROMETHANE	ND	4.7	.074
THYLBENZENE	ND	4.7	.37
TBE	ND	9.4	.35
ETHYLENE CHLORIDE	ND	4.7	.38
TYRENE	ND	4.7	.41
ETRACHLOROETHENE	ND	4.7	.23
OLUENE	ND	4.7	.29
RANS-1,2-DICHLOROETHENE	ND	4.7	.27
RANS-1,3-DICHLOROPROPENE	ND	4.7	.62
RICHLOROETHENE	ND	4.7	.24
INYL ACETATE	ND	47	.67
INYL CHLORIDE	ND	4.7	.95
YLENES	ND	4.7	1

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
,2-DICHLOROETHANE-D4	115	52-149
OLUENE-D8	106	65-135
ROMOFLUOROBENZENE	104	65-135

RL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2799	Date Analyzed:	02/12/00 09:06
Lab Samp ID:	B049-03	Dilution Factor:	0.97
Lab File ID:	RBQ273	Matrix :	SOIL
Ext Btch ID:	VOB1705	% Moisture :	20.7
Calib. Ref.:	RBQ257	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.1	.4
1,1,2,2-TETRACHLOROETHANE	ND	6.1	.4
1,1,2-TRICHLOROETHANE	ND	6.1	.29
1,1-DICHLOROETHANE	ND	6.1	.37
1,1-DICHLOROETHENE	ND	6.1	.66
1,2-DICHLOROETHANE	ND	6.1	.4
1,2-DICHLOROPROPANE	ND	6.1	.46
2-BUTANONE	ND	61	6.3
2-CHLOROETHYLVINYLETHER	ND	61	.21
2-HEXANONE	ND	61	1.5
4-METHYL-2-PENTANONE	ND	61	1.4
ACETONE	72	61	5
BENZENE	ND	6.1	.3
BROMODICHLOROMETHANE	ND	6.1	.32
BROMOFORM	ND	6.1	.34
BROMOMETHANE	ND	6.1	.78
CARBON DISULFIDE	ND	6.1	.15
CARBON TETRACHLORIDE	ND	6.1	.97
CHLOROBENZENE	ND	6.1	.24
CHLOROETHANE	ND	6.1	2.2
CHLOROFORM	ND	6.1	.52
CHLOROMETHANE	ND	6.1	2.5
CIS-1,2-DICHLOROETHENE	ND	6.1	.36
CIS-1,3-DICHLOROPROPENE	ND	6.1	.27
DIBROMOCHLOROMETHANE	ND	6.1	.097
ETHYLBENZENE	44	6.1	.48
MTBE	ND	12	.45
METHYLENE CHLORIDE	4.5J	6.1	.5
STYRENE	ND	6.1	.54
TETRACHLOROETHENE	ND	6.1	.3
TOLUENE	ND	6.1	.38
TRANS-1,2-DICHLOROETHENE	ND	6.1	.35
TRANS-1,3-DICHLOROPROPENE	ND	6.1	.81
TRICHLOROETHENE	ND	6.1	.31
VINYL ACETATE	ND	61	.88
VINYL CHLORIDE	ND	6.1	1.2
XYLENES	ND	6.1	1.3

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	132	52-149
TOLUENE-D8	91	65-135
BROMOFLUOROBENZENE	632*	65-135

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Pr	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Ba	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2799RE	Date Analyzed:	02/15/00 21:15
Lab Samp ID:	B049-03R	Dilution Factor:	1.1
Lab File ID:	RBQ313	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	20.7
Calib. Ref.:	RBQ300	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.9	.46
1,1,2,2-TETRACHLOROETHANE	ND	6.9	.46
1,1,2-TRICHLOROETHANE	ND	6.9	.32
1,1-DICHLOROETHANE	ND	6.9	.42
1,1-DICHLOROETHENE	ND	6.9	.75
1,2-DICHLOROETHANE	ND	6.9	.45
,2-DICHLOROPROPANE	ND	6.9	.52
-BUTANONE	ND	69	7.1
-CHLOROETHYLVINYLETHER	ND	69	.24
-HEXANONE	ND	69	1.7
-METHYL-2-PENTANONE	ND	69	1.6
CETONE	100	69	5.7
ENZENE	ND	6.9	.34
ROMODICHLOROMETHANE	ND	6.9	.36
ROMOFORM	ND	6.9	.39
ROMOMETHANE	ND	6.9	.89
ARBON DISULFIDE	ND	6.9	.17
ARBON TETRACHLORIDE	ND	6.9	1.1
HLOROBENZENE	ND	6.9	.27
HLOROETHANE	ND	6.9	2.5
HLOROFORM	ND	6.9	.59
HLO THANE	ND	6.9	2.9
IS ICHLOROETHENE	ND	6.9	.4
IS- DICHLOROPROPENE	ND	6.9	.31
IBROMOCHLOROMETHANE	ND	6.9	.11
THYLBENZENE	9.9	6.9	.54
TBE	ND	14	.51
ETHYLENE CHLORIDE	5.2J	6.9	.57
TYRENE	ND	6.9	.61
ETRACHLOROETHENE	ND	6.9	.34
OLUENE	ND	6.9	.44
RANS-1,2-DICHLOROETHENE	ND	6.9	.4
RANS-1,3-DICHLOROPROPENE	ND	6.9	.92
RICHLOROETHENE	ND	6.9	.35
INYL ACETATE	ND	69	.99
INYL CHLORIDE	ND	6.9	1.4
YLENES	ND	6.9	1.5

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
,2-DICHLOROETHANE-D4	142	52-149
OLUENE-D8	87	65-135
ROMOFLUOROBENZENE	97	65-135

RL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2800	Date Analyzed:	02/16/00 19:08
Lab Samp ID:	B049-04	Dilution Factor:	1.06
Lab File ID:	RBQ347	Matrix :	SOIL
Ext Btch ID:	VOB2202	% Moisture :	17.2
Calib. Ref.:	RBQ342	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.4	.42
1,1,2,2-TETRACHLOROETHANE	ND	6.4	.42
1,1,2-TRICHLOROETHANE	ND	6.4	.3
1,1-DICHLOROETHANE	ND	6.4	.39
1,1-DICHLOROETHENE	ND	6.4	.69
1,2-DICHLOROETHANE	ND	6.4	.42
1,2-DICHLOROPROPANE	ND	6.4	.48
2-BUTANONE	21J	64	6.6
2-CHLOROETHYLVINYLETHER	ND	64	.22
2-HEXANONE	ND	64	1.6
4-METHYL-2-PENTANONE	ND	64	1.5
ACETONE	55J	64	5.2
BENZENE	ND	6.4	.32
BROMODICHLOROMETHANE	ND	6.4	.33
BROMOFORM	ND	6.4	.36
BROMOMETHANE	ND	6.4	.82
CARBON DISULFIDE	ND	6.4	.16
CARBON TETRACHLORIDE	ND	6.4	1
CHLOROBENZENE	ND	6.4	.25
CHLOROETHANE	ND	6.4	2.3
CHLOROFORM	ND	6.4	.54
CHLOROMETHANE	ND	6.4	2.6
CIS-1,2-DICHLOROETHENE	ND	6.4	.37
CIS-1,3-DICHLOROPROPENE	ND	6.4	.28
DIBROMOCHLOROMETHANE	ND	6.4	.1
ETHYLBENZENE	7.5	6.4	.5
ETBE	ND	13	.47
METHYLENE CHLORIDE	2.1JB	6.4	.52
STYRENE	ND	6.4	.56
TETRACHLOROETHENE	ND	6.4	.31
TOLUENE	ND	6.4	.4
TRANS-1,2-DICHLOROETHENE	ND	6.4	.37
TRANS-1,3-DICHLOROPROPENE	ND	6.4	.85
TRICHLOROETHENE	ND	6.4	.33
VINYL ACETATE	ND	64	.92
VINYL CHLORIDE	ND	6.4	1.3
XYLENES	ND	6.4	1.4

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	117	52-149
TOLUENE-D8	94	65-135
BROMOFLUOROBENZENE	79	65-135

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Pr[illegible]	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Ba[illegible].	: 00B049	Date Extracted:	02/10/00 14:45
Sam[illegible] ID:	18609-2801	Date Analyzed:	02/12/00 09:45
Lab Samp ID:	B049-05	Dilution Factor:	0.99
Lab File ID:	RBQ274	Matrix :	SOIL
Ext Btch ID:	VOB1705	% Moisture :	9.5
Calib. Ref.:	RBQ257	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	5.5	.36
1,1,2,2-TETRACHLOROETHANE	ND	5.5	.36
1,1,2-TRICHLOROETHANE	ND	5.5	.25
1,1-DICHLOROETHANE	ND	5.5	.33
1,1-DICHLOROETHENE	ND	5.5	.59
1,2-DICHLOROETHANE	ND	5.5	.36
1,2-DICHLOROPROPANE	ND	5.5	.41
2-BUTANONE	ND	55	5.6
2-CHLOROETHYLVINYLETHER	ND	55	.19
2-HEXANONE	ND	55	1.4
4-METHYL-2-PENTANONE	ND	55	1.2
ACETONE	56	55	4.5
BENZENE	ND	5.5	.27
BROMODICHLOROMETHANE	ND	5.5	.28
BROMOFORM	ND	5.5	.31
BROMOMETHANE	ND	5.5	.7
CARBON DISULFIDE	ND	5.5	.14
CARBON TETRACHLORIDE	ND	5.5	.87
CHLOROBENZENE	ND	5.5	.22
CHLOROETHANE	ND	5.5	1.9
CHLOROFORM	ND	5.5	.46
CHLOROMETHANE	ND	5.5	2.3
CIS-[illegible]ICHLOROETHENE	ND	5.5	.32
CIS[illegible]ICHLOROPROPENE	ND	5.5	.24
DIBROMOCHLOROMETHANE	ND	5.5	.086
ETHYLBENZENE	ND	5.5	.43
MTBE	ND	11	.41
METHYLENE CHLORIDE	5.7	5.5	.45
STYRENE	ND	5.5	.48
TETRACHLOROETHENE	ND	5.5	.27
TOLUENE	ND	5.5	.34
TRANS-1,2-DICHLOROETHENE	ND	5.5	.32
TRANS-1,3-DICHLOROPROPENE	ND	5.5	.73
TRICHLOROETHENE	ND	5.5	.28
VINYL ACETATE	ND	55	.78
VINYL CHLORIDE	ND	5.5	1.1
XYLENES	34	5.5	1.2

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	155*	52-149
TOLUENE-D8	91	65-135
BROMOFLUOROBENZENE	105	65-135

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2801RE	Date Analyzed:	02/15/00 21:53
Lab Samp ID:	B049-05R	Dilution Factor:	0.95
Lab File ID:	RBQ314	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	9.5
Calib. Ref.:	RBQ300	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,1,1-TRICHLOROETHANE	ND	5.2	.35
,1,2,2-TETRACHLOROETHANE	ND	5.2	.35
,1,2-TRICHLOROETHANE	ND	5.2	.24
,1-DICHLOROETHANE	ND	5.2	.32
,1-DICHLOROETHENE	ND	5.2	.56
,2-DICHLOROETHANE	ND	5.2	.34
,2-DICHLOROPROPANE	ND	5.2	.39
-BUTANONE	ND	52	5.4
-CHLOROETHYLVINYLETHER	ND	52	.18
-HEXANONE	ND	52	1.3
-METHYL-2-PENTANONE	ND	52	1.2
CETONE	46J	52	4.3
ENZENE	ND	5.2	.26
ROMODICHLOROMETHANE	ND	5.2	.27
ROMOFORM	ND	5.2	.29
ROMOMETHANE	ND	5.2	.67
ARBON DISULFIDE	ND	5.2	.13
ARBON TETRACHLORIDE	ND	5.2	.83
HLOROBENZENE	ND	5.2	.21
HLOROETHANE	ND	5.2	1.9
HLOROFORM	ND	5.2	.45
HLOROMETHANE	ND	5.2	2.2
IS-1,2-DICHLOROETHENE	ND	5.2	.31
IS-1,3-DICHLOROPROPENE	ND	5.2	.23
IBROMOCHLOROMETHANE	ND	5.2	.083
THYLBENZENE	ND	5.2	.41
TBE	ND	10	.39
ETHYLENE CHLORIDE	2J	5.2	.43
TYRENE	ND	5.2	.46
ETRACHLOROETHENE	ND	5.2	.26
OLUENE	ND	5.2	.33
RANS-1,2-DICHLOROETHENE	ND	5.2	.3
RANS-1,3-DICHLOROPROPENE	ND	5.2	.7
RICHLOROETHENE	ND	5.2	.27
INYL ACETATE	ND	52	.75
INYL CHLORIDE	ND	5.2	1.1
YLENES	11	5.2	1.1

JRROGATE PARAMETERS	% RECOVERY	QC LIMIT
,2-DICHLOROETHANE-D4	130	52-149
OLUENE-D8	91	65-135
ROMOFLUOROBENZENE	97	65-135

RL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID	: 18609-2802	Date Analyzed:	02/16/00 19:45
Lab Samp ID	: B049-06	Dilution Factor:	1.13
Lab File ID	: RBQ348	Matrix :	SOIL
Ext Btch ID	: VOB2202	% Moisture :	18.2
Calib. Ref.	: RBQ342	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.9	.46
1,1,2,2-TETRACHLOROETHANE	ND	6.9	.46
1,1,2-TRICHLOROETHANE	ND	6.9	.32
1,1-DICHLOROETHANE	ND	6.9	.42
1,1-DICHLOROETHENE	ND	6.9	.74
1,2-DICHLOROETHANE	ND	6.9	.45
1,2-DICHLOROPROPANE	ND	6.9	.52
2-BUTANONE	27J	69	7.1
2-CHLOROETHYLVINYLETHER	ND	69	.23
2-HEXANONE	ND	69	1.7
4-METHYL-2-PENTANONE	ND	69	1.6
ACETONE	77	69	5.6
BENZENE	ND	6.9	.34
BROMODICHLOROMETHANE	ND	6.9	.36
BROMOFORM	ND	6.9	.39
BROMOMETHANE	ND	6.9	.88
CARBON DISULFIDE	ND	6.9	.17
CARBON TETRACHLORIDE	ND	6.9	1.1
CHLOROBENZENE	ND	6.9	.27
CHLOROETHANE	ND	6.9	2.5
CHLOROFORM	ND	6.9	.59
CHLOROMETHANE	ND	6.9	2.8
CIS-1,2-DICHLOROETHENE	ND	6.9	.4
CIS-1,3-DICHLOROPROPENE	ND	6.9	.31
DIBROMOCHLOROMETHANE	ND	6.9	.11
ETHYLBENZENE	4.1J	6.9	.54
MTBE	ND	14	.51
METHYLENE CHLORIDE	3.2JB	6.9	.57
STYRENE	ND	6.9	.61
TETRACHLOROETHENE	ND	6.9	.34
TOLUENE	ND	6.9	.43
TRANS-1,2-DICHLOROETHENE	ND	6.9	.4
TRANS-1,3-DICHLOROPROPENE	ND	6.9	.92
TRICHLOROETHENE	ND	6.9	.35
VINYL ACETATE	ND	69	.99
VINYL CHLORIDE	ND	6.9	1.4
XYLENES	ND	6.9	1.5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	137	52-149
TOLUENE-D8	91	65-135
BROMOFLUOROBENZENE	90	65-135

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client : IT CORPORATION	Date Collected: 02/09/00
Project : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 00B049	Date Extracted: 02/10/00 14:45
Sample ID: 18609-2803	Date Analyzed: 02/12/00 08:28
Lab Samp ID: B049-07	Dilution Factor: 1.1
Lab File ID: RBQ272	Matrix : SOIL
Ext Btch ID: VOB1705	% Moisture : 10.5
Calib. Ref.: RBQ257	Instrument ID : T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.1	.41
1,1,2,2-TETRACHLOROETHANE	ND	6.1	.41
1,1,2-TRICHLOROETHANE	ND	6.1	.29
1,1-DICHLOROETHANE	ND	6.1	.37
1,1-DICHLOROETHENE	ND	6.1	.66
1,2-DICHLOROETHANE	ND	6.1	.4
1,2-DICHLOROPROPANE	ND	6.1	.46
2-BUTANONE	ND	61	6.3
2-CHLOROETHYLVINYLETHER	ND	61	.21
2-HEXANONE	ND	61	1.5
4-METHYL-2-PENTANONE	ND	61	1.4
ACETONE	ND	61	5
BENZENE	ND	6.1	.3
BROMODICHLOROMETHANE	ND	6.1	.32
BROMOFORM	ND	6.1	.34
BROMOMETHANE	ND	6.1	.79
CARBON DISULFIDE	ND	6.1	.15
CARBON TETRACHLORIDE	ND	6.1	.97
CHLOROBENZENE	ND	6.1	.24
CHLOROETHANE	ND	6.1	2.2
CHLOROFORM	ND	6.1	.52
CHLOROMETHANE	ND	6.1	2.5
CIS-1,2-DICHLOROETHENE	ND	6.1	.36
CIS-1,3-DICHLOROPROPENE	ND	6.1	.27
DIBROMOCHLOROMETHANE	ND	6.1	.097
ETHYLBENZENE	ND	6.1	.48
MTBE	ND	12	.46
METHYLENE CHLORIDE	ND	6.1	.5
STYRENE	ND	6.1	.54
TETRACHLOROETHENE	ND	6.1	.3
TOLUENE	ND	6.1	.39
TRANS-1,2-DICHLOROETHENE	ND	6.1	.35
TRANS-1,3-DICHLOROPROPENE	ND	6.1	.82
TRICHLOROETHENE	ND	6.1	.31
VINYL ACETATE	ND	61	.88
VINYL CHLORIDE	ND	6.1	1.2
XYLENES	ND	6.1	1.3

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	110	52-149
TOLUENE-D8	107	65-135
BROMOFLUOROBENZENE	103	65-135

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Pr	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Ba.	: 008049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2804	Date Analyzed:	02/15/00 17:28
Lab Samp ID:	B049-08	Dilution Factor:	1.1
Lab File ID:	RBQ307	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	10.3
Calib. Ref.:	RBQ300	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	6.1	.41
1,1,2,2-TETRACHLOROETHANE	ND	6.1	.41
1,1,2-TRICHLOROETHANE	ND	6.1	.29
1,1-DICHLOROETHANE	ND	6.1	.37
1,1-DICHLOROETHENE	ND	6.1	.66
1,2-DICHLOROETHANE	ND	6.1	.4
1,2-DICHLOROPROPANE	ND	6.1	.46
2-BUTANONE	ND	61	6.3
2-CHLOROETHYLVINYLETHER	ND	61	.21
2-HEXANONE	ND	61	1.5
4-METHYL-2-PENTANONE	ND	61	1.4
ACETONE	21J	61	5
BENZENE	ND	6.1	.3
BROMODICHLOROMETHANE	ND	6.1	.32
BROMOFORM	ND	6.1	.34
BROMOMETHANE	ND	6.1	.78
CARBON DISULFIDE	ND	6.1	.15
CARBON TETRACHLORIDE	ND	6.1	.97
CHLOROBENZENE	ND	6.1	.24
CHLOROETHANE	ND	6.1	2.2
CHLOROFORM	ND	6.1	.52
CHLOROMETHANE	ND	6.1	2.5
CIS-1,2-DICHLOROETHENE	ND	6.1	.36
CIS-1,3-DICHLOROPROPENE	ND	6.1	.27
DIBROMOCHLOROMETHANE	ND	6.1	.097
ETHYLBENZENE	ND	6.1	.48
MTBE	ND	12	.45
METHYLENE CHLORIDE	1.4J	6.1	.5
STYRENE	ND	6.1	.54
TETRACHLOROETHENE	ND	6.1	.3
TOLUENE	ND	6.1	.39
TRANS-1,2-DICHLOROETHENE	ND	6.1	.35
TRANS-1,3-DICHLOROPROPENE	ND	6.1	.82
TRICHLOROETHENE	ND	6.1	.31
VINYL ACETATE	ND	61	.88
VINYL CHLORIDE	ND	6.1	1.2
XYLENES	ND	6.1	1.3

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	101	52-149
TOLUENE-D8	93	65-135
BROMOFLUOROBENZENE	103	65-135

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	18609-2806	Date Analyzed:	02/15/00 18:05
Lab Samp ID:	B049-10	Dilution Factor:	1.23
Lab File ID:	RBQ308	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	14.8
Calib. Ref.:	RBQ300	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	7.2	.48
1,1,2,2-TETRACHLOROETHANE	ND	7.2	.48
1,1,2-TRICHLOROETHANE	ND	7.2	.34
1,1-DICHLOROETHANE	ND	7.2	.44
1,1-DICHLOROETHENE	ND	7.2	.78
1,2-DICHLOROETHANE	ND	7.2	.47
1,2-DICHLOROPROPANE	ND	7.2	.54
2-BUTANONE	ND	72	7.4
2-CHLOROETHYLVINYLETHER	ND	72	.25
2-HEXANONE	ND	72	1.8
4-METHYL-2-PENTANONE	ND	72	1.6
ACETONE	23J	72	5.9
BENZENE	ND	7.2	.36
BROMODICHLOROMETHANE	ND	7.2	.37
BROMOFORM	ND	7.2	.4
BROMOMETHANE	ND	7.2	.92
CARBON DISULFIDE	ND	7.2	.18
CARBON TETRACHLORIDE	ND	7.2	1.1
CHLOROBENZENE	ND	7.2	.28
CHLOROETHANE	ND	7.2	2.6
CHLOROFORM	ND	7.2	.61
CHLOROMETHANE	ND	7.2	3
CIS-1,2-DICHLOROETHENE	ND	7.2	.42
CIS-1,3-DICHLOROPROPENE	ND	7.2	.32
DIBROMOCHLOROMETHANE	ND	7.2	.11
ETHYLBENZENE	ND	7.2	.57
MTBE	ND	14	.54
METHYLENE CHLORIDE	2.4J	7.2	.59
STYRENE	ND	7.2	.63
TETRACHLOROETHENE	ND	7.2	.35
TOLUENE	ND	7.2	.45
TRANS-1,2-DICHLOROETHENE	ND	7.2	.42
TRANS-1,3-DICHLOROPROPENE	ND	7.2	.96
TRICHLOROETHENE	ND	7.2	.37
VINYL ACETATE	ND	72	1
VINYL CHLORIDE	ND	7.2	1.5
XYLENES	ND	7.2	1.6

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	101	52-149
TOLUENE-D8	102	65-135
BROMOFLUOROBENZENE	106	65-135

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client : IT CORPORATION	Date Collected: 02/09/00
Project : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Batch No. : 008049	Date Extracted: 02/10/00 14:45
Sample ID: 18609-2808	Date Analyzed: 02/15/00 18:43
Lab Samp ID: B049-12	Dilution Factor: 1
Lab File ID: RBQ309	Matrix : SOIL
Ext Btch ID: VOB2005	% Moisture : 10.6
Calib. Ref.: RBQ300	Instrument ID : T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	5.6	.37
1,1,2,2-TETRACHLOROETHANE	ND	5.6	.37
1,1,2-TRICHLOROETHANE	ND	5.6	.26
1,1-DICHLOROETHANE	ND	5.6	.34
1,1-DICHLOROETHENE	ND	5.6	.6
1,2-DICHLOROETHANE	ND	5.6	.36
1,2-DICHLOROPROPANE	ND	5.6	.42
2-BUTANONE	ND	56	5.7
2-CHLOROETHYLVINYLETHER	ND	56	.19
2-HEXANONE	ND	56	1.4
4-METHYL-2-PENTANONE	ND	56	1.3
ACETONE	ND	56	4.6
BENZENE	ND	5.6	.28
BROMODICHLOROMETHANE	ND	5.6	.29
BROMOFORM	ND	5.6	.31
BROMOMETHANE	ND	5.6	.71
CARBON DISULFIDE	ND	5.6	.14
CARBON TETRACHLORIDE	ND	5.6	.88
CHLOROBENZENE	ND	5.6	.22
CHLOROETHANE	ND	5.6	2
CHLOROFORM	ND	5.6	.47
CHLOROMETHANE	ND	5.6	2.3
CIS-1,2-DICHLOROETHENE	ND	5.6	.33
CIS-1,3-DICHLOROPROPENE	ND	5.6	.25
DIBROMOCHLOROMETHANE	ND	5.6	.088
ETHYLBENZENE	ND	5.6	.44
MTBE	ND	11	.41
METHYLENE CHLORIDE	1.8J	5.6	.46
STYRENE	ND	5.6	.49
TETRACHLOROETHENE	ND	5.6	.27
TOLUENE	ND	5.6	.35
TRANS-1,2-DICHLOROETHENE	ND	5.6	.32
TRANS-1,3-DICHLOROPROPENE	ND	5.6	.74
TRICHLOROETHENE	ND	5.6	.29
VINYL ACETATE	ND	56	.8
VINYL CHLORIDE	ND	5.6	1.1
XYLENES	ND	5.6	1.2

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	99	52-149
TOLUENE-D8	105	65-135
BROMOFLUOROBENZENE	104	65-135

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/16/00 05:58
Sample ID:	18609-2810	Date Analyzed:	02/16/00 05:58
Lab Samp ID:	B049-14	Dilution Factor:	1
Lab File ID:	RB0327	Matrix :	WATER
Ext Btch ID:	VOB2105	% Moisture :	NA
Calib. Ref.:	RB0319	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	PRL (ug/L)	MDL (ug/L)
,1,1-TRICHLOROETHANE	ND	5	1.1
,1,2,2-TETRACHLOROETHANE	ND	5	.49
,1,2-TRICHLOROETHANE	ND	5	.52
,1-DICHLOROETHANE	ND	5	1.2
,1-DICHLOROETHENE	ND	5	2
,2-DICHLOROETHANE	ND	5	.58
,2-DICHLOROPROPANE	ND	5	.53
-BUTANONE	ND	50	7.9
-CHLOROETHYLVINYLETHER	ND	50	.83
-HEXANONE	ND	50	1
-METHYL-2-PENTANONE	ND	50	1
CETONE	ND	50	10
ENZENE	ND	5	.85
ROMODICHLOROMETHANE	ND	5	.33
ROMOFORM	ND	5	.29
ROMOMETHANE	ND	5	1.5
ARBON DISULFIDE	ND	5	1.3
ARBON TETRACHLORIDE	ND	5	1.3
HLOROBENZENE	ND	5	.68
HLOROETHANE	ND	5	2.9
HLOROFORM	ND	5	.85
HLOROMETHANE	ND	5	1.7
IS-1,2-DICHLOROETHENE	ND	5	.97
IS-1,3-DICHLOROPROPENE	ND	5	.47
IBROMOCHLOROMETHANE	ND	5	.29
THYLBENZENE	ND	5	.72
TBE	ND	10	.96
ETHYLENE CHLORIDE	ND	5	1.8
TYRENE	ND	5	.58
ETRACHLOROETHENE	ND	5	1.2
OLUENE	ND	5	.92
RANS-1,2-DICHLOROETHENE	ND	5	1.5
RANS-1,3-DICHLOROPROPENE	ND	5	.45
RICHLOROETHENE	ND	5	.9
INYL ACETATE	ND	50	6.2
INYL CHLORIDE	ND	5	1.7
YLENES	ND	5	2.4

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
,2-DICHLOROETHANE-D4	106	62-139
OLUENE-D8	103	75-125
ROMOFLUOROBENZENE	96	75-125

RL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Cl[illegible]	: IT CORPORATION	Date Collected:	02/09/00
P[illegible]	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Ba[illegible]o.	: 00B049	Date Extracted:	02/16/00 06:36
Sample ID:	18609-2811	Date Analyzed:	02/16/00 06:36
Lab Samp ID:	B049-15	Dilution Factor:	1
Lab File ID:	RBQ328	Matrix :	WATER
Ext Btch ID:	VOB2105	% Moisture :	NA
Calib. Ref.:	RBQ319	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	PRL (ug/L)	MDL (ug/L)
1,1,1-TRICHLOROETHANE	ND	5	1.1
1,1,2,2-TETRACHLOROETHANE	ND	5	.49
1,1,2-TRICHLOROETHANE	ND	5	.52
1,1-DICHLOROETHANE	ND	5	1.2
1,1-DICHLOROETHENE	ND	5	2
1,2-DICHLOROETHANE	ND	5	.58
1,2-DICHLOROPROPANE	ND	5	.53
2-BUTANONE	ND	50	7.9
2-CHLOROETHYLVINYLETHER	ND	50	.83
2-HEXANONE	ND	50	1
4-METHYL-2-PENTANONE	ND	50	1
ACETONE	ND	50	10
BENZENE	ND	5	.85
BROMODICHLOROMETHANE	ND	5	.33
BROMOFORM	ND	5	.29
BROMOMETHANE	ND	5	1.5
CARBON DISULFIDE	ND	5	1.3
CARBON TETRACHLORIDE	ND	5	1.3
CHLOROBENZENE	ND	5	.68
CHLOROETHANE	ND	5	2.9
CHLOROFORM	ND	5	.85
CHI[illegible]ETHANE	ND	5	1.7
CI[illegible]DICHLOROETHENE	ND	5	.97
CIS[illegible]-DICHLOROPROPENE	ND	5	.47
DIBROMOCHLOROMETHANE	ND	5	.29
ETHYLBENZENE	ND	5	.72
MTBE	ND	10	.96
METHYLENE CHLORIDE	ND	5	1.8
STYRENE	ND	5	.58
TETRACHLOROETHENE	ND	5	1.2
TOLUENE	ND	5	.92
TRANS-1,2-DICHLOROETHENE	ND	5	1.5
TRANS-1,3-DICHLOROPROPENE	ND	5	.45
TRICHLOROETHENE	ND	5	.9
VINYL ACETATE	ND	50	6.2
VINYL CHLORIDE	ND	5	1.7
XYLENES	ND	5	2.4

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	101	62-139
TOLUENE-D8	102	75-125
BROMOFLUOROBENZENE	98	75-125

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/16/00
Batch No.	: 00B049	Date Extracted:	02/16/00 04:06
Sample ID:	MBLK1W	Date Analyzed:	02/16/00 04:06
Lab Samp ID:	VOB2105Q	Dilution Factor:	1
Lab File ID:	RBQ324	Matrix :	WATER
Ext Btch ID:	VOB2105	% Moisture :	NA
Calib. Ref.:	RBQ319	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/L)	PRL (ug/L)	MDL (ug/L)
1,1,1-TRICHLOROETHANE	ND	5	1.1
1,1,2,2-TETRACHLOROETHANE	ND	5	.49
1,1,2-TRICHLOROETHANE	ND	5	.52
1,1-DICHLOROETHANE	ND	5	1.2
1,1-DICHLOROETHENE	ND	5	2
1,2-DICHLOROETHANE	ND	5	.58
1,2-DICHLOROPROPANE	ND	5	.53
2-BUTANONE	ND	50	7.9
2-CHLOROETHYLVINYLETHER	ND	50	.83
2-HEXANONE	ND	50	1
4-METHYL-2-PENTANONE	ND	50	1
ACETONE	ND	50	10
BENZENE	ND	5	.85
BROMODICHLOROMETHANE	ND	5	.33
BROMOFORM	ND	5	.29
BROMOMETHANE	ND	5	1.5
CARBON DISULFIDE	ND	5	1.3
CARBON TETRACHLORIDE	ND	5	1.3
CHLOROBENZENE	ND	5	.68
CHLOROETHANE	ND	5	2.9
CHLOROFORM	ND	5	.85
CHLOROMETHANE	ND	5	1.7
CIS-1,2-DICHLOROETHENE	ND	5	.97
CIS-1,3-DICHLOROPROPENE	ND	5	.47
DIBROMOCHLOROMETHANE	ND	5	.29
ETHYLBENZENE	ND	5	.72
MTBE	ND	10	.96
METHYLENE CHLORIDE	ND	5	1.8
STYRENE	ND	5	.58
TETRACHLOROETHENE	ND	5	1.2
TOLUENE	ND	5	.92
TRANS-1,2-DICHLOROETHENE	ND	5	1.5
TRANS-1,3-DICHLOROPROPENE	ND	5	.45
TRICHLOROETHENE	ND	5	.9
VINYL ACETATE	ND	50	6.2
VINYL CHLORIDE	ND	5	1.7
XYLENES	ND	5	2.4

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	103	62-139
TOLUENE-D8	102	75-125
BROMOFLUOROBENZENE	93	75-125

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Pr	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/12/00
Ba .	: 00B049	Date Extracted:	02/12/00 01:33
Sample ID:	MBLK1S	Date Analyzed:	02/12/00 01:33
Lab Samp ID:	VOB1705B	Dilution Factor:	1
Lab File ID:	RBQ261	Matrix :	SOIL
Ext Btch ID:	VOB1705	% Moisture :	NA
Calib. Ref.:	RBQ257	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	5	.33
1,1,2,2-TETRACHLOROETHANE	ND	5	.33
1,1,2-TRICHLOROETHANE	ND	5	.23
1,1-DICHLOROETHANE	ND	5	.3
1,1-DICHLOROETHENE	ND	5	.54
1,2-DICHLOROETHANE	ND	5	.33
1,2-DICHLOROPROPANE	ND	5	.38
2-BUTANONE	ND	50	5.1
2-CHLOROETHYLVINYLETHER	ND	50	.17
2-HEXANONE	ND	50	1.2
4-METHYL-2-PENTANONE	ND	50	1.1
ACETONE	ND	50	4.1
BENZENE	ND	5	.25
BROMODICHLOROMETHANE	ND	5	.26
BROMOFORM	ND	5	.28
BROMOMETHANE	ND	5	.64
CARBON DISULFIDE	ND	5	.13
CARBON TETRACHLORIDE	ND	5	.79
CHLOROBENZENE	ND	5	.2
CHLOROETHANE	ND	5	1.8
CHLOROFORM	ND	5	.42
CHLOROMETHANE	ND	5	2.1
IS ICHLOROETHENE	ND	5	.29
IS ICHLOROPROPENE	ND	5	.22
IBROMOCHLOROMETHANE	ND	5	.079
THYLBENZENE	ND	5	.39
TBE	ND	10	.37
ETHYLENE CHLORIDE	ND	5	.41
TYRENE	ND	5	.44
ETRACHLOROETHENE	ND	5	.24
OLUENE	ND	5	.31
RANS-1,2-DICHLOROETHENE	ND	5	.29
RANS-1,3-DICHLOROPROPENE	ND	5	.67
RICHLOROETHENE	ND	5	.25
INYL ACETATE	ND	50	.72
INYL CHLORIDE	ND	5	1
YLENES	ND	5	1.1

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
,2-DICHLOROETHANE-D4	102	52-149
OLUENE-D8	105	65-135
ROMOFLUOROBENZENE	99	65-135

RL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/12/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	MBLK2S	Date Analyzed:	02/12/00 14:45
Lab Samp ID:	VPB009SB	Dilution Factor:	1
Lab File ID:	RBQ263	Matrix :	SOIL
Ext Btch ID:	VOB1705	% Moisture :	NA
Calib. Ref.:	RBQ257	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	5	.33
1,1,2,2-TETRACHLOROETHANE	ND	5	.33
1,1,2-TRICHLOROETHANE	ND	5	.23
1,1-DICHLOROETHANE	ND	5	.3
1,1-DICHLOROETHENE	ND	5	.54
1,2-DICHLOROETHANE	ND	5	.33
1,2-DICHLOROPROPANE	ND	5	.38
2-BUTANONE	ND	50	5.1
2-CHLOROETHYLVINYLETHER	ND	50	.17
2-HEXANONE	ND	50	1.2
4-METHYL-2-PENTANONE	ND	50	1.1
ACETONE	ND	50	4.1
BENZENE	ND	5	.25
BROMODICHLOROMETHANE	ND	5	.26
BROMOFORM	ND	5	.28
BROMOMETHANE	ND	5	.64
CARBON DISULFIDE	ND	5	.13
CARBON TETRACHLORIDE	ND	5	.79
CHLOROBENZENE	ND	5	.2
CHLOROETHANE	ND	5	1.8
CHLOROFORM	ND	5	.42
CHLOROMETHANE	ND	5	2.1
CIS-1,2-DICHLOROETHENE	ND	5	.29
CIS-1,3-DICHLOROPROPENE	ND	5	.22
DIBROMOCHLOROMETHANE	ND	5	.079
ETHYLBENZENE	ND	5	.39
MTBE	ND	10	.37
METHYLENE CHLORIDE	ND	5	.41
STYRENE	ND	5	.44
TETRACHLOROETHENE	ND	5	.24
TOLUENE	ND	5	.31
TRANS-1,2-DICHLOROETHENE	ND	5	.29
TRANS-1,3-DICHLOROPROPENE	ND	5	.67
TRICHLOROETHENE	ND	5	.25
VINYL ACETATE	ND	50	.72
VINYL CHLORIDE	ND	5	1
XYLENES	ND	5	1.1

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	115	52-149
TOLUENE-D8	106	65-135
BROMOFLUOROBENZENE	96	65-135

PRL: Project Reporting Limit
* : Out side of QC Limit
J : An estimated value between PRL and MDL
E : Value exceed the upper level of the initial calibration
B : Found in the associated blank
D : Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/15/00
Batch	: 00B049	Date Extracted:	02/15/00 16:05
Sample ID:	MBLK3S	Date Analyzed:	02/15/00 16:05
Lab Samp ID:	VOB2005Q	Dilution Factor:	1
Lab File ID:	RBQ305	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	NA
Calib. Ref.:	RBQ300	Instrument ID :	T-005

ARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,1,1-TRICHLOROETHANE	ND	5	.33
,1,2,2-TETRACHLOROETHANE	ND	5	.33
,1,2-TRICHLOROETHANE	ND	5	.23
,1-DICHLOROETHANE	ND	5	.3
,1-DICHLOROETHENE	ND	5	.54
,2-DICHLOROETHANE	ND	5	.33
,2-DICHLOROPROPANE	ND	5	.38
-BUTANONE	ND	50	5.1
-CHLOROETHYLVINYLETHER	ND	50	.17
-HEXANONE	ND	50	1.2
-METHYL-2-PENTANONE	ND	50	1.1
CETONE	ND	50	4.1
ENZENE	ND	5	.25
ROMODICHLOROMETHANE	ND	5	.26
ROMOFORM	ND	5	.28
ROMOMETHANE	ND	5	.64
ARBON DISULFIDE	ND	5	.13
ARBON TETRACHLORIDE	ND	5	.79
HLOROBENZENE	ND	5	.2
HLOROETHANE	ND	5	1.8
HLOROFORM	ND	5	.42
HLOROMETHANE	ND	5	2.1
S-[illegible]CHLOROETHENE	ND	5	.29
S-[illegible]CHLOROPROPENE	ND	5	.22
BROMOCHLOROMETHANE	ND	5	.079
HYLBENZENE	ND	5	.39
TBE	ND	10	.37
ETHYLENE CHLORIDE	ND	5	.41
TYRENE	ND	5	.44
ETRACHLOROETHENE	ND	5	.24
OLUENE	ND	5	.31
RANS-1,2-DICHLOROETHENE	ND	5	.29
RANS-1,3-DICHLOROPROPENE	ND	5	.67
RICHLOROETHENE	ND	5	.25
NYL ACETATE	ND	50	.72
NYL CHLORIDE	ND	5	1
LENES	ND	5	1.1

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-DICHLOROETHANE-D4	94	52-149
OLUENE-D8	95	65-135
OMOFLUOROBENZENE	95	65-135

L: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/15/00
Batch No.	: 00B049	Date Extracted:	02/10/00 14:45
Sample ID:	MBLK4S	Date Analyzed:	02/15/00 16:50
Lab Samp ID:	VPB010SB	Dilution Factor:	1
Lab File ID:	RBQ306	Matrix :	SOIL
Ext Btch ID:	VOB2005	% Moisture :	NA
Calib. Ref.:	RBQ300	Instrument ID :	T-005

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,1,1-TRICHLOROETHANE	ND	5	.33
1,1,2,2-TETRACHLOROETHANE	ND	5	.33
1,1,2-TRICHLOROETHANE	ND	5	.23
1,1-DICHLOROETHANE	ND	5	.3
1,1-DICHLOROETHENE	ND	5	.54
1,2-DICHLOROETHANE	ND	5	.33
1,2-DICHLOROPROPANE	ND	5	.38
2-BUTANONE	ND	50	5.1
2-CHLOROETHYLVINYLETHER	ND	50	.17
2-HEXANONE	ND	50	1.2
4-METHYL-2-PENTANONE	ND	50	1.1
ACETONE	ND	50	4.1
BENZENE	ND	5	.25
BROMODICHLOROMETHANE	ND	5	.26
BROMOFORM	ND	5	.28
BROMOMETHANE	ND	5	.64
CARBON DISULFIDE	ND	5	.13
CARBON TETRACHLORIDE	ND	5	.79
CHLOROBENZENE	ND	5	.2
CHLOROETHANE	ND	5	1.8
CHLOROFORM	ND	5	.42
CHLOROMETHANE	ND	5	2.1
CIS-1,2-DICHLOROETHENE	ND	5	.29
CIS-1,3-DICHLOROPROPENE	ND	5	.22
DIBROMOCHLOROMETHANE	ND	5	.079
ETHYLBENZENE	ND	5	.39
MTBE	ND	10	.37
METHYLENE CHLORIDE	2.2J	5	.41
STYRENE	ND	5	.44
TETRACHLOROETHENE	ND	5	.24
TOLUENE	ND	5	.31
TRANS-1,2-DICHLOROETHENE	ND	5	.29
TRANS-1,3-DICHLOROPROPENE	ND	5	.67
TRICHLOROETHENE	ND	5	.25
VINYL ACETATE	ND	50	.72
VINYL CHLORIDE	ND	5	1
XYLENES	ND	5	1.1

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	95	52-149
TOLUENE-D8	98	65-135
BROMOFLUOROBENZENE	103	65-135

PRL: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

METHOD 5030A/8260A
VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/16/00
Batch	: 00B049	Date Extracted:	02/16/00 18:30
Sample ID	: MBLK5S	Date Analyzed:	02/16/00 18:30
Lab Samp ID	: VOB2202Q	Dilution Factor:	1
Lab File ID	: RBQ346	Matrix	: SOIL
Ext Btch ID	: VOB2202	% Moisture	: NA
Calib. Ref.	: RBQ342	Instrument ID	: T-005

ARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,1,1-TRICHLOROETHANE	ND	5	.33
,1,2,2-TETRACHLOROETHANE	ND	5	.33
,1,2-TRICHLOROETHANE	ND	5	.23
,1-DICHLOROETHANE	ND	5	.3
,1-DICHLOROETHENE	ND	5	.54
,2-DICHLOROETHANE	ND	5	.33
,2-DICHLOROPROPANE	ND	5	.38
-BUTANONE	ND	50	5.1
-CHLOROETHYLVINYLETHER	ND	50	.17
-HEXANONE	ND	50	1.2
-METHYL-2-PENTANONE	ND	50	1.1
CETONE	ND	50	4.1
ENZENE	ND	5	.25
ROMODICHLOROMETHANE	ND	5	.26
ROMOFORM	ND	5	.28
ROMOMETHANE	ND	5	.64
ARBON DISULFIDE	ND	5	.13
ARBON TETRACHLORIDE	ND	5	.79
HLOROBENZENE	ND	5	.2
HLOROETHANE	ND	5	1.8
HLOROFORM	ND	5	.42
HLOROMETHANE	ND	5	2.1
S-[illegible]CHLOROETHENE	ND	5	.29
S-[illegible]CHLOROPROPENE	ND	5	.22
BROMOCHLOROMETHANE	ND	5	.079
HYLBENZENE	ND	5	.39
BE	ND	10	.37
THYLENE CHLORIDE	1.8J	5	.41
YRENE	ND	5	.44
TRACHLOROETHENE	ND	5	.24
LUENE	ND	5	.31
ANS-1,2-DICHLOROETHENE	ND	5	.29
ANS-1,3-DICHLOROPROPENE	ND	5	.67
ICHLOROETHENE	ND	5	.25
NYL ACETATE	ND	50	.72
NYL CHLORIDE	ND	5	1
LENES	ND	5	1.1

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-DICHLOROETHANE-D4	97	52-149
LUENE-D8	107	65-135
OMOFLUOROBENZENE	107	65-135

L: Project Reporting Limit
: Out side of QC Limit
: An estimated value between PRL and MDL
: Value exceed the upper level of the initial calibration
: Found in the associated blank
: Value from dilution analysis

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 5030A/8260A

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	VOB2105Q	VOB2105L	VOB2105C		
LAB FILE ID:	RBQ324	RBQ321	RBQ322		
DATE EXTRACTED:	02/16/0004:06	02/16/0002:13	02/16/0002:50	DATE COLLECTED:	NA
DATE ANALYZED:	02/16/0004:06	02/16/0002:13	02/16/0002:50	DATE RECEIVED:	02/16/00
PREP. BATCH:	VOB2105	VOB2105	VOB2105		
CALIB. REF:	RBQ319	RBQ319	RBQ319		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
,1-Dichloroethene	ND	20	20.3	101	20	19.8	99	2	75-125	20
enzene	ND	20	20.7	104	20	20.7	103	0	75-125	20
hlorobenzene	ND	20	20.1	100	20	19.7	99	2	75-125	20
oluene	ND	20	19.9	100	20	19.5	97	2	74-125	20
richloroethene	ND	20	20.5	102	20	19.7	98	4	71-125	20

URROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
,2-Dichlorethane-d4	50	52.8	106	50	55.7	111	62-139
oluene-d8	50	49.8	100	50	50.6	101	75-125
romofluorobenzene	50	46.3	93	50	47.2	94	75-125

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BA[illegible].: 00B049
ME[illegible]: METHOD 5030A/8260A

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1S				
LAB SAMP ID:	VOB1705B	VOB1705L	VOB1705C		
LAB FILE ID:	RBQ261	RBQ258	RBQ259		
DATE EXTRACTED:	02/12/0001:33	02/11/0023:41	02/12/0000:18	DATE COLLECTED:	NA
DATE ANALYZED:	02/12/0001:33	02/11/0023:41	02/12/0000:18	DATE RECEIVED:	02/12/00
PREP. BATCH:	VOB1705	VOB1705	VOB1705		
CALIB. REF:	RBQ257	RBQ257	RBQ257		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
,1-Dichloroethene	ND	50	57.7	115	50	56.8	114	2	65-135	30
enzene	ND	50	53.5	107	50	54.8	110	2	65-135	30
hlorobenzene	ND	50	49.9	100	50	49.1	98	2	65-135	30
oluene	ND	50	51.9	104	50	49.8	100	4	64-135	30
richloroethene	ND	50	48.1	96	50	47.8	96	1	61-135	30

URROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT (%)
,2-Dichlorethane-d4	50	47.8	96	50	53.3	107	52-149
oluene-d8	50	52.9	106	50	51.6	103	65-135
romofluorobenzene	50	48.8	98	50	45.6	91	65-135

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 5030A/8260A

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK3S				
LAB SAMP ID:	VOB2005Q	VOB2005L	VOB2005C		
LAB FILE ID:	RBQ305	RBQ302	RBQ303		
DATE EXTRACTED:	02/15/0016:05	02/15/0014:11	02/15/0014:49	DATE COLLECTED:	NA
DATE ANALYZED:	02/15/0016:05	02/15/0014:11	02/15/0014:49	DATE RECEIVED:	02/15/00
PREP. BATCH:	VOB2005	VOB2005	VOB2005		
CALIB. REF:	RBQ300	RBQ300	RBQ300		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
,1-Dichloroethene	ND	50	49.4	99	50	48.6	97	2	65-135	30
enzene	ND	50	48.4	97	50	46.7	93	4	65-135	30
hlorobenzene	ND	50	48.8	98	50	48.6	97	0	65-135	30
oluene	ND	50	46	92	50	49.1	98	6	64-135	30
richloroethene	ND	50	47.4	95	50	46.9	94	1	61-135	30

URROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT (%)
,2-Dichlorethane-d4	50	47.9	96	50	47.3	95	52-149
oluene-d8	50	47.7	95	50	50.9	102	65-135
romofluorobenzene	50	49.4	99	50	49.8	100	65-135

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH: 00B049
METHOD: METHOD 5030A/8260A

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK5S				
LAB SAMP ID:	VOB2202Q	VOB2202L	VOB2202C		
LAB FILE ID:	RBQ346	RBQ343	RBQ344		
DATE EXTRACTED:	02/16/0018:30	02/16/0016:37	02/16/0017:15	DATE COLLECTED:	NA
DATE ANALYZED:	02/16/0018:30	02/16/0016:37	02/16/0017:15	DATE RECEIVED:	02/16/00
PREP. BATCH:	VOB2202	VOB2202	VOB2202		
CALIB. REF:	RBQ342	RBQ342	RBQ342		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,1-Dichloroethene	ND	50	52.1	104	50	52.5	105	1	65-135	30
Benzene	ND	50	51.2	102	50	51.6	103	1	65-135	30
Chlorobenzene	ND	50	49	98	50	48.5	97	1	65-135	30
Toluene	ND	50	50.5	101	50	50	100	1	64-135	30
Trichloroethene	ND	50	46.7	93	50	46.6	93	0	61-135	30

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT (%)
1,2-Dichlorethane-d4	50	52.2	104	50	50.5	101	52-149
Toluene-d8	50	52.2	104	50	51.8	104	65-135
Bromofluorobenzene	50	52.4	105	50	52.8	106	65-135

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2797	Date Analyzed:	02/14/00 17:57
Lab Samp ID:	B049-01	Dilution Factor:	2
Lab File ID:	RBX064	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	11.3
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	740	310
,2-DICHLOROBENZENE	ND	740	290
,3-DICHLOROBENZENE	ND	740	280
,4-DICHLOROBENZENE	ND	740	260
,2'-OXYBIS(1-CHLOROPROPANE)	ND	740	340
,4,5-TRICHLOROPHENOL	ND	1900	180
,4,6-TRICHLOROPHENOL	ND	740	270
,4-DICHLOROPHENOL	ND	740	350
,4-DIMETHYLPHENOL	ND	740	260
,4-DINITROPHENOL	ND	1900	360
,4-DINITROTOLUENE	ND	740	130
,6-DINITROTOLUENE	ND	740	170
-CHLORONAPHTHALENE	ND	740	300
-CHLOROPHENOL	ND	740	270
-METHYLNAPHTHALENE	ND	740	330
-METHYLPHENOL	ND	740	310
-NITROANILINE	ND	1900	200
-NITROPHENOL	ND	740	340
,3'-DICHLOROBENZIDINE	ND	740	170
-NITROANILINE	ND	1900	200
,6-DINITRO-2-METHYLPHENOL	ND	1900	250
-BROMOPHENYL-PHENYLETHER	ND	740	170
-CHLORO-3-METHYLPHENOL	ND	740	250
-CHLOROANILINE	ND	740	270
-CHLOROPHENYL-PHENYLETHER	ND	740	180
-METHYLPHENOL (2)	ND	740	310
-NITROANILINE	ND	1900	160
-NITROPHENOL	ND	1900	340
CENAPHTHENE	ND	740	230
CENAPHTHYLENE	ND	740	230
NTHRACENE	ND	740	150
ENZO(A)ANTHRACENE	ND	740	150
ENZO(A)PYRENE	ND	560	83
ENZO(B)FLUORANTHENE	ND	740	140
ENZO(G,H,I)PERYLENE	ND	740	94
ENZO(K)FLUORANTHENE	ND	740	150
IS(2-CHLOROETHOXY)METHANE	ND	740	340
IS(2-CHLOROETHYL)ETHER	ND	740	310
IS(2-ETHYLHEXYL)PHTHALATE	ND	740	190
UTYLBENZYLPHTHALATE	ND	740	170
HRYSENE	ND	740	200
I-N-BUTYLPHTHALATE	ND	740	180
I-N-OCTYLPHTHALATE	ND	740	110
IBENZO(A,H)ANTHRACENE	ND	560	71
IBENZOFURAN	ND	740	230
IETHYLPHTHALATE	ND	740	120
IMETHYLPHTHALATE	ND	740	140
LUORANTHENE	ND	740	170
LUORENE	ND	740	170
EXACHLOROBENZENE	ND	740	200
EXACHLOROBUTADIENE	ND	740	320
EXACHLOROCYCLOPENTADIENE	ND	740	400
EXACHLOROETHANE	ND	740	280
NDENO(1,2,3-CD)PYRENE	ND	740	94
-NITROSO-DI-N-PROPYLAMINE	ND	560	320
-NITROSODIPHENYLAMINE (1)	ND	740	160
APHTHALENE	ND	740	300
ITROBENZENE	ND	740	300
ENTACHLOROPHENOL	ND	1900	180
HENANTHRENE	ND	740	150
HENOL	ND	740	360
YRENE	ND	740	200

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	42	25-135
HENOL-D5	47	25-135
ITROBENZENE-D5	50	25-135
-FLUOROBIPHENYL	58	34-135
,4,6-TRIBROMOPHENOL	56	25-144
ERPHENYL-D14	63	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2798	Date Analyzed:	02/14/00 18:34
Lab Sample ID:	B049-02	Dilution Factor:	2
Lab File ID:	RBX065	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	13.7
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	760	320
,2-DICHLOROBENZENE	ND	760	300
,3-DICHLOROBENZENE	ND	760	290
,4-DICHLOROBENZENE	ND	760	270
,2'-OXYBIS(1-CHLOROPROPANE)	ND	760	350
,4,5-TRICHLOROPHENOL	ND	1900	190
,4,6-TRICHLOROPHENOL	ND	760	270
,4-DICHLOROPHENOL	ND	760	360
,4-DIMETHYLPHENOL	ND	760	270
,4-DINITROPHENOL	ND	1900	370
,4-DINITROTOLUENE	ND	760	140
,6-DINITROTOLUENE	ND	760	170
-CHLORONAPHTHALENE	ND	760	310
-CHLOROPHENOL	ND	760	280
-METHYLNAPHTHALENE	ND	760	330
-METHYLPHENOL	ND	760	320
-NITROANILINE	ND	1900	210
-NITROPHENOL	ND	760	350
,3'-DICHLOROBENZIDINE	ND	760	170
-NITROANILINE	ND	1900	200
,6-DINITRO-2-METHYLPHENOL	ND	1900	260
-BROMOPHENYL-PHENYLETHER	ND	760	180
-CHLORO-3-METHYLPHENOL	ND	760	250
-CHLOROANILINE	ND	760	280
-CHLOROPHENYL-PHENYLETHER	ND	760	190
-METHYLPHENOL (2)	ND	760	320
-NITROANILINE	ND	1900	160
-NITROPHENOL	ND	1900	350
CENAPHTHENE	ND	760	240
CENAPHTHYLENE	ND	760	240
NTHRACENE	ND	760	160
ENZO(A)ANTHRACENE	ND	760	160
ENZO(A)PYRENE	ND	580	86
EN[illegible]LUORANTHENE	ND	760	150
EN[illegible]I)PERYLENE	ND	760	96
EN[illegible]LUORANTHENE	ND	760	160
IS(2-CHLOROETHOXY)METHANE	ND	760	350
IS(2-CHLOROETHYL)ETHER	ND	760	320
IS(2-ETHYLHEXYL)PHTHALATE	ND	760	200
UTYLBENZYLPHTHALATE	ND	760	180
HRYSENE	ND	760	210
I-N-BUTYLPHTHALATE	ND	760	180
I-N-OCTYLPHTHALATE	ND	760	120
IBENZO(A,H)ANTHRACENE	ND	580	73
IBENZOFURAN	ND	760	240
IETHYLPHTHALATE	ND	760	130
IMETHYLPHTHALATE	ND	760	140
LUORANTHENE	ND	760	180
LUORENE	ND	760	170
EXACHLOROBENZENE	ND	760	210
EXACHLOROBUTADIENE	ND	760	330
EXACHLOROCYCLOPENTADIENE	ND	760	410
EXACHLOROETHANE	ND	760	290
NDENO(1,2,3-CD)PYRENE	ND	760	96
-NITROSO-DI-N-PROPYLAMINE	ND	580	330
-NITROSODIPHENYLAMINE (1)	ND	760	170
APHTHALENE	ND	760	310
ITROBENZENE	ND	760	310
ENTACHLOROPHENOL	ND	1900	190
HENANTHRENE	ND	760	150
HENOL	ND	760	370
YRENE	ND	760	210

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	59	25-135
HENOL-D5	64	25-135
ITROBENZENE-D5	69	25-135
-FLUOROBIPHENYL	71	34-135
,4,6-TRIBROMOPHENOL	74	25-144
ERPHENYL-D14	85	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2799	Date Analyzed:	02/14/00 19:10
Lab Samp ID:	B049-03	Dilution Factor:	2
Lab File ID:	RBX066	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	20.7
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	830	340
1,2-DICHLOROBENZENE	ND	830	320
1,3-DICHLOROBENZENE	ND	830	320
1,4-DICHLOROBENZENE	ND	830	290
,2'-OXYBIS(1-CHLOROPROPANE)	ND	830	380
,4,5-TRICHLOROPHENOL	ND	2100	200
,4,6-TRICHLOROPHENOL	ND	830	300
,4-DICHLOROPHENOL	ND	830	390
,4-DIMETHYLPHENOL	ND	830	290
,4-DINITROPHENOL	ND	2100	410
,4-DINITROTOLUENE	ND	830	150
,6-DINITROTOLUENE	ND	830	190
-CHLORONAPHTHALENE	ND	830	340
-CHLOROPHENOL	ND	830	310
-METHYLNAPHTHALENE	25000E	830	360
-METHYLPHENOL	ND	830	350
-NITROANILINE	ND	2100	220
-NITROPHENOL	ND	830	380
,3'-DICHLOROBENZIDINE	ND	830	190
-NITROANILINE	ND	2100	220
,6-DINITRO-2-METHYLPHENOL	ND	2100	280
-BROMOPHENYL-PHENYLETHER	ND	830	200
-CHLORO-3-METHYLPHENOL	ND	830	280
-CHLOROANILINE	ND	830	300
-CHLOROPHENYL-PHENYLETHER	ND	830	210
-METHYLPHENOL (2)	ND	830	350
-NITROANILINE	ND	2100	180
-NITROPHENOL	ND	2100	380
CENAPHTHENE	ND	830	260
CENAPHTHYLENE	ND	830	260
NTHRACENE	ND	830	170
ENZO(A)ANTHRACENE	ND	830	170
ENZO(A)PYRENE	ND	630	93
ENZO(B)FLUORANTHENE	ND	830	160
ENZO(G,H,I)PERYLENE	ND	830	100
ENZO(K)FLUORANTHENE	ND	830	170
IS(2-CHLOROETHOXY)METHANE	ND	830	380
IS(2-CHLOROETHYL)ETHER	ND	830	340
IS(2-ETHYLHEXYL)PHTHALATE	ND	830	220
UTYLBENZYLPHTHALATE	ND	830	190
HRYSENE	ND	830	230
I-N-BUTYLPHTHALATE	ND	830	200
I-N-OCTYLPHTHALATE	ND	830	130
IBENZO(A,H)ANTHRACENE	ND	630	79
IBENZOFURAN	ND	830	260
IETHYLPHTHALATE	ND	830	140
IMETHYLPHTHALATE	ND	830	150
LUORANTHENE	ND	830	200
LUORENE	ND	830	190
EXACHLOROBENZENE	ND	830	230
EXACHLOROBUTADIENE	ND	830	350
EXACHLOROCYCLOPENTADIENE	ND	830	450
EXACHLOROETHANE	ND	830	320
NDENO(1,2,3-CD)PYRENE	ND	830	100
-NITROSO-DI-N-PROPYLAMINE	ND	630	360
-NITROSODIPHENYLAMINE (1)	ND	830	180
APHTHALENE	12000	830	340
ITROBENZENE	ND	830	340
ENTACHLOROPHENOL	ND	2100	200
HENANTHRENE	ND	830	170
HENOL	ND	830	400
YRENE	ND	830	230

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	56	25-135
HENOL-D5	62	25-135
ITROBENZENE-D5	104	25-135
-FLUOROBIPHENYL	70	34-135
,4,6-TRIBROMOPHENOL	137	25-144
ERPHENYL-D14	92	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sam ID:	18609-2799DL	Date Analyzed:	02/16/00 15:45
Lab ID:	B049-03T	Dilution Factor:	5
Lab ID:	RBX092	Matrix	: SOIL
Ext Btch ID:	SVB009S	% Moisture	: 20.7
Calib. Ref.:	RBX091	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	2100	860
,2-DICHLOROBENZENE	ND	2100	810
,3-DICHLOROBENZENE	ND	2100	790
,4-DICHLOROBENZENE	ND	2100	740
,2'-OXYBIS(1-CHLOROPROPANE)	ND	2100	940
,4,5-TRICHLOROPHENOL	ND	5200	510
,4,6-TRICHLOROPHENOL	ND	2100	750
,4-DICHLOROPHENOL	ND	2100	970
,4-DIMETHYLPHENOL	ND	2100	720
,4-DINITROPHENOL	ND	5200	1000
,4-DINITROTOLUENE	ND	2100	380
,6-DINITROTOLUENE	ND	2100	470
-CHLORONAPHTHALENE	ND	2100	840
-CHLOROPHENOL	ND	2100	770
-METHYLNAPHTHALENE	27000D	2100	910
-METHYLPHENOL	ND	2100	870
-NITROANILINE	ND	5200	560
-NITROPHENOL	ND	2100	950
,3'-DICHLOROBENZIDINE	ND	2100	460
-NITROANILINE	ND	5200	550
,6-DINITRO-2-METHYLPHENOL	ND	5200	710
-BROMOPHENYL-PHENYLETHER	ND	2100	490
-CHLORO-3-METHYLPHENOL	ND	2100	690
-CHLOROANILINE	ND	2100	760
-CHLOROPHENYL-PHENYLETHER	ND	2100	520
-METHYLPHENOL (2)	ND	2100	880
-NITROANILINE	ND	5200	440
-NITROPHENOL	ND	5200	960
CENAPHTHENE	ND	2100	650
CENAPHTHYLENE	ND	2100	650
NTHRACENE	ND	2100	420
ENZO(A)ANTHRACENE	ND	2100	430
ENZO(A)PYRENE	ND	1600	230
ENZO[illegible]LUORANTHENE	ND	2100	400
EN[illegible]I)PERYLENE	ND	2100	260
EN[illegible]LUORANTHENE	ND	2100	430
IS(2-CHLOROETHOXY)METHANE	ND	2100	940
IS(2-CHLOROETHYL)ETHER	ND	2100	860
IS(2-ETHYLHEXYL)PHTHALATE	ND	2100	540
UTYLBENZYLPHTHALATE	ND	2100	480
HRYSENE	ND	2100	570
I-N-BUTYLPHTHALATE	ND	2100	500
I-N-OCTYLPHTHALATE	ND	2100	320
IBENZO(A,H)ANTHRACENE	ND	1600	200
IBENZOFURAN	ND	2100	650
IETHYLPHTHALATE	ND	2100	340
IMETHYLPHTHALATE	ND	2100	380
LUORANTHENE	ND	2100	490
LUORENE	ND	2100	470
EXACHLOROBENZENE	ND	2100	570
EXACHLOROBUTADIENE	ND	2100	890
EXACHLOROCYCLOPENTADIENE	ND	2100	1100
EXACHLOROETHANE	ND	2100	800
NDENO(1,2,3-CD)PYRENE	ND	2100	260
-NITROSO-DI-N-PROPYLAMINE	ND	1600	890
-NITROSODIPHENYLAMINE (1)	ND	2100	450
APHTHALENE	11000D	2100	850
ITROBENZENE	ND	2100	840
ENTACHLOROPHENOL	ND	5200	510
HENANTHRENE	ND	2100	420
HENOL	ND	2100	1000
YRENE	ND	2100	570

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	47	25-135
HENOL-D5	61	25-135
ITROBENZENE-D5	89	25-135
-FLUOROBIPHENYL	79	34-135
,4,6-TRIBROMOPHENOL	107	25-144
ERPHENYL-D14	90	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2800	Date Analyzed:	02/14/00 19:46
Lab Samp ID:	B049-04	Dilution Factor:	1
Lab File ID:	RBX067	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	17.2
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	400	160
1,2-DICHLOROBENZENE	ND	400	160
1,3-DICHLOROBENZENE	ND	400	150
1,4-DICHLOROBENZENE	ND	400	140
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	400	180
2,4,5-TRICHLOROPHENOL	ND	1000	98
2,4,6-TRICHLOROPHENOL	ND	400	140
2,4-DICHLOROPHENOL	ND	400	190
2,4-DIMETHYLPHENOL	ND	400	140
2,4-DINITROPHENOL	ND	1000	200
2,4-DINITROTOLUENE	ND	400	72
2,6-DINITROTOLUENE	ND	400	89
2-CHLORONAPHTHALENE	ND	400	160
2-CHLOROPHENOL	ND	400	150
2-METHYLNAPHTHALENE	8800E	400	170
2-METHYLPHENOL	ND	400	170
2-NITROANILINE	ND	1000	110
2-NITROPHENOL	ND	400	180
3,3'-DICHLOROBENZIDINE	ND	400	89
3-NITROANILINE	ND	1000	110
4,6-DINITRO-2-METHYLPHENOL	ND	1000	140
4-BROMOPHENYL-PHENYLETHER	ND	400	94
4-CHLORO-3-METHYLPHENOL	ND	400	130
4-CHLOROANILINE	ND	400	150
4-CHLOROPHENYL-PHENYLETHER	ND	400	99
4-METHYLPHENOL (2)	ND	400	170
4-NITROANILINE	ND	1000	85
4-NITROPHENOL	ND	1000	180
ACENAPHTHENE	ND	400	130
ACENAPHTHYLENE	ND	400	120
ANTHRACENE	ND	400	81
BENZO(A)ANTHRACENE	ND	400	83
BENZO(A)PYRENE	ND	300	45
BENZO(B)FLUORANTHENE	ND	400	77
BENZO(G,H,I)PERYLENE	ND	400	50
BENZO(K)FLUORANTHENE	ND	400	82
BIS(2-CHLOROETHOXY)METHANE	ND	400	180
BIS(2-CHLOROETHYL)ETHER	ND	400	160
BIS(2-ETHYLHEXYL)PHTHALATE	ND	400	100
BUTYLBENZYLPHTHALATE	ND	400	91
CHRYSENE	ND	400	110
DI-N-BUTYLPHTHALATE	ND	400	96
DI-N-OCTYLPHTHALATE	ND	400	60
DIBENZO(A,H)ANTHRACENE	ND	300	38
DIBENZOFURAN	ND	400	130
DIETHYLPHTHALATE	ND	400	66
DIMETHYLPHTHALATE	ND	400	72
FLUORANTHENE	ND	400	93
FLUORENE	ND	400	89
HEXACHLOROBENZENE	ND	400	110
HEXACHLOROBUTADIENE	ND	400	170
HEXACHLOROCYCLOPENTADIENE	ND	400	210
HEXACHLOROETHANE	ND	400	150
INDENO(1,2,3-CD)PYRENE	ND	400	50
N-NITROSO-DI-N-PROPYLAMINE	ND	300	170
N-NITROSODIPHENYLAMINE (1)	ND	400	87
NAPHTHALENE	4100	400	160
NITROBENZENE	ND	400	160
PENTACHLOROPHENOL	ND	1000	97
PHENANTHRENE	ND	400	80
PHENOL	ND	400	190
PYRENE	ND	400	110

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	72	25-135
PHENOL-D5	75	25-135
NITROBENZENE-D5	90	25-135
2-FLUOROBIPHENYL	65	34-135
2,4,6-TRIBROMOPHENOL	126	25-144
TERPHENYL-D14	87	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sam[illegible] ID:	18609-2800DL	Date Analyzed:	02/16/00 16:22
Lab[illegible] ID:	B049-04T	Dilution Factor:	5
Lab[illegible] ID:	RBX093	Matrix	: SOIL
Ext Btch ID:	SVB009S	% Moisture	: 17.2
Calib. Ref.:	RBX091	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	2000	820
,2-DICHLOROBENZENE	ND	2000	780
,3-DICHLOROBENZENE	ND	2000	750
,4-DICHLOROBENZENE	ND	2000	710
,2'-OXYBIS(1-CHLOROPROPANE)	ND	2000	900
,4,5-TRICHLOROPHENOL	ND	5000	490
,4,6-TRICHLOROPHENOL	ND	2000	710
,4-DICHLOROPHENOL	ND	2000	930
,4-DIMETHYLPHENOL	ND	2000	690
,4-DINITROPHENOL	ND	5000	980
,4-DINITROTOLUENE	ND	2000	360
,6-DINITROTOLUENE	ND	2000	450
-CHLORONAPHTHALENE	ND	2000	800
-CHLOROPHENOL	ND	2000	730
-METHYLNAPHTHALENE	9300D	2000	870
-METHYLPHENOL	ND	2000	830
-NITROANILINE	ND	5000	540
-NITROPHENOL	ND	2000	910
,3'-DICHLOROBENZIDINE	ND	2000	440
-NITROANILINE	ND	5000	530
,6-DINITRO-2-METHYLPHENOL	ND	5000	680
-BROMOPHENYL-PHENYLETHER	ND	2000	470
-CHLORO-3-METHYLPHENOL	ND	2000	660
-CHLOROANILINE	ND	2000	730
-CHLOROPHENYL-PHENYLETHER	ND	2000	490
-METHYLPHENOL (2)	ND	2000	840
-NITROANILINE	ND	5000	420
-NITROPHENOL	ND	5000	920
CENAPHTHENE	ND	2000	630
CENAPHTHYLENE	ND	2000	620
NTHRACENE	ND	2000	400
ENZO(A)ANTHRACENE	ND	2000	410
ENZO(A)PYRENE	ND	1500	220
ENZO[illegible]FLUORANTHENE	ND	2000	390
EN[illegible]I)PERYLENE	ND	2000	250
EN[illegible]UORANTHENE	ND	2000	410
S([illegible]LOROETHOXY)METHANE	ND	2000	900
S(2-CHLOROETHYL)ETHER	ND	2000	820
S(2-ETHYLHEXYL)PHTHALATE	ND	2000	520
TYLBENZYLPHTHALATE	ND	2000	460
RYSENE	ND	2000	540
-N-BUTYLPHTHALATE	ND	2000	480
-N-OCTYLPHTHALATE	ND	2000	300
BENZO(A,H)ANTHRACENE	ND	1500	190
BENZOFURAN	ND	2000	630
ETHYLPHTHALATE	ND	2000	330
METHYLPHTHALATE	ND	2000	360
UORANTHENE	ND	2000	470
UORENE	ND	2000	450
XACHLOROBENZENE	ND	2000	550
XACHLOROBUTADIENE	ND	2000	850
XACHLOROCYCLOPENTADIENE	ND	2000	1100
XACHLOROETHANE	ND	2000	760
DENO(1,2,3-CD)PYRENE	ND	2000	250
NITROSO-DI-N-PROPYLAMINE	ND	1500	850
NITROSODIPHENYLAMINE (1)	ND	2000	430
PHTHALENE	3900D	2000	820
TROBENZENE	ND	2000	810
NTACHLOROPHENOL	ND	5000	490
ENANTHRENE	ND	2000	400
ENOL	ND	2000	960
RENE	ND	2000	540

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
FLUOROPHENOL	62	25-135
ENOL-D5	66	25-135
TROBENZENE-D5	71	25-135
FLUOROBIPHENYL	82	34-135
4,6-TRIBROMOPHENOL	104	25-144
RPHENYL-D14	88	32-136

L : Project Reporting Limit
) : Cannot be separated from Diphenylamine
) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

:lient	: IT CORPORATION	Date Collected:	02/09/00
'roject	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
'atch No.	: 008049	Date Extracted:	02/11/00 17:00
'ample ID:	18609-2801	Date Analyzed:	02/14/00 20:22
.ab Samp ID:	B049-05	Dilution Factor:	2
.ab File ID:	RBX068	Matrix :	SOIL
:xt Btch ID:	SVB009S	% Moisture :	9.5
:alib. Ref.:	RBX061	Instrument ID :	T-042

'ARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	730	300
,2-DICHLOROBENZENE	ND	730	280
,3-DICHLOROBENZENE	ND	730	280
,4-DICHLOROBENZENE	ND	730	260
,2'-OXYBIS(1-CHLOROPROPANE)	ND	730	330
,4,5-TRICHLOROPHENOL	ND	1800	180
,4,6-TRICHLOROPHENOL	ND	730	260
,4-DICHLOROPHENOL	ND	730	340
,4-DIMETHYLPHENOL	ND	730	250
,4-DINITROPHENOL	ND	1800	360
,4-DINITROTOLUENE	ND	730	130
,6-DINITROTOLUENE	ND	730	160
-CHLORONAPHTHALENE	ND	730	290
-CHLOROPHENOL	ND	730	270
-METHYLNAPHTHALENE	6600	730	320
-METHYLPHENOL	ND	730	300
-NITROANILINE	ND	1800	200
-NITROPHENOL	ND	730	330
,3'-DICHLOROBENZIDINE	ND	730	160
-NITROANILINE	ND	1800	190
,6-DINITRO-2-METHYLPHENOL	ND	1800	250
-BROMOPHENYL-PHENYLETHER	ND	730	170
-CHLORO-3-METHYLPHENOL	ND	730	240
-CHLOROANILINE	ND	730	270
-CHLOROPHENYL-PHENYLETHER	ND	730	180
-METHYLPHENOL (2)	ND	730	310
-NITROANILINE	ND	1800	150
-NITROPHENOL	ND	1800	340
:ENAPHTHENE	ND	730	230
:ENAPHTHYLENE	ND	730	230
ITHRACENE	ND	730	150
:NZO(A)ANTHRACENE	ND	730	150
:NZO(A)PYRENE	ND	550	82
:NZO(B)FLUORANTHENE	ND	730	140
:NZO(G,H,I)PERYLENE	ND	730	92
:NZO(K)FLUORANTHENE	ND	730	150
:S(2-CHLOROETHOXY)METHANE	ND	730	330
:S(2-CHLOROETHYL)ETHER	ND	730	300
:S(2-ETHYLHEXYL)PHTHALATE	ND	730	190
JTYLBENZYLPHTHALATE	ND	730	170
HRYSENE	ND	730	200
I-N-BUTYLPHTHALATE	ND	730	180
I-N-OCTYLPHTHALATE	ND	730	110
IBENZO(A,H)ANTHRACENE	ND	550	70
IBENZOFURAN	ND	730	230
IETHYLPHTHALATE	ND	730	120
IMETHYLPHTHALATE	ND	730	130
.UORANTHENE	ND	730	170
.UORENE	ND	730	160
:XACHLOROBENZENE	ND	730	200
:XACHLOROBUTADIENE	ND	730	310
:XACHLOROCYCLOPENTADIENE	ND	730	390
:XACHLOROETHANE	ND	730	280
NDENO(1,2,3-CD)PYRENE	ND	730	92
-NITROSO-DI-N-PROPYLAMINE	ND	550	310
-NITROSODIPHENYLAMINE (1)	ND	730	160
APHTHALENE	1900	730	300
ITROBENZENE	ND	730	300
:NTACHLOROPHENOL	ND	1800	180
HENANTHRENE	ND	730	150
HENOL	ND	730	350
YRENE	ND	730	200

JRROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	51	25-135
HENOL-D5	59	25-135
ITROBENZENE-D5	81	25-135
-FLUOROBIPHENYL	75	34-135
,4,6-TRIBROMOPHENOL	125	25-144
:RPHENYL-D14	93	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2802	Date Analyzed:	02/14/00 21:00
Lab ID:	B049-06	Dilution Factor:	2
Lab File ID:	RBX069	Matrix :	SOIL
Ext Batch ID:	SVB009S	% Moisture :	18.2
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	810	330
1,2-DICHLOROBENZENE	ND	810	310
1,3-DICHLOROBENZENE	ND	810	310
1,4-DICHLOROBENZENE	ND	810	290
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	810	370
2,4,5-TRICHLOROPHENOL	ND	2000	200
2,4,6-TRICHLOROPHENOL	ND	810	290
2,4-DICHLOROPHENOL	ND	810	380
2,4-DIMETHYLPHENOL	ND	810	280
2,4-DINITROPHENOL	ND	2000	400
2,4-DINITROTOLUENE	ND	810	150
2,6-DINITROTOLUENE	ND	810	180
2-CHLORONAPHTHALENE	ND	810	330
2-CHLOROPHENOL	ND	810	300
2-METHYLNAPHTHALENE	21000E	810	350
2-METHYLPHENOL	ND	810	340
2-NITROANILINE	ND	2000	220
2-NITROPHENOL	ND	810	370
3,3'-DICHLOROBENZIDINE	ND	810	180
3-NITROANILINE	ND	2000	210
4,6-DINITRO-2-METHYLPHENOL	ND	2000	280
4-BROMOPHENYL-PHENYLETHER	ND	810	190
4-CHLORO-3-METHYLPHENOL	ND	810	270
4-CHLOROANILINE	ND	810	290
4-CHLOROPHENYL-PHENYLETHER	ND	810	200
4-METHYLPHENOL (2)	ND	810	340
4-NITROANILINE	ND	2000	170
4-NITROPHENOL	ND	2000	370
ACENAPHTHENE	ND	810	250
ACENAPHTHYLENE	ND	810	250
ANTHRACENE	ND	810	160
BENZO(A)ANTHRACENE	ND	810	170
BENZO(A)PYRENE	ND	610	90
BENZO(B)FLUORANTHENE	ND	810	160
BENZO(G,H,I)PERYLENE	ND	810	100
BENZO(K)FLUORANTHENE	ND	810	170
BIS(2-CHLOROETHOXY)METHANE	ND	810	370
BIS(2-CHLOROETHYL)ETHER	ND	810	330
BIS(2-ETHYLHEXYL)PHTHALATE	ND	810	210
BUTYLBENZYLPHTHALATE	ND	810	190
CHRYSENE	ND	810	220
DI-N-BUTYLPHTHALATE	ND	810	190
DI-N-OCTYLPHTHALATE	ND	810	120
DIBENZO(A,H)ANTHRACENE	ND	610	77
DIBENZOFURAN	ND	810	250
DIETHYLPHTHALATE	ND	810	130
DIMETHYLPHTHALATE	ND	810	150
FLUORANTHENE	ND	810	190
FLUORENE	390J	810	180
HEXACHLOROBENZENE	ND	810	220
HEXACHLOROBUTADIENE	ND	810	340
HEXACHLOROCYCLOPENTADIENE	ND	810	430
HEXACHLOROETHANE	ND	810	310
INDENO(1,2,3-CD)PYRENE	ND	810	100
N-NITROSO-DI-N-PROPYLAMINE	ND	610	350
N-NITROSODIPHENYLAMINE (1)	ND	810	180
NAPHTHALENE	7900	810	330
NITROBENZENE	ND	810	330
PENTACHLOROPHENOL	ND	2000	200
PHENANTHRENE	ND	810	160
PHENOL	ND	810	390
PYRENE	ND	810	220

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	57	25-135
PHENOL-D5	62	25-135
NITROBENZENE-D5	109	25-135
2-FLUOROBIPHENYL	69	34-135
2,4,6-TRIBROMOPHENOL	135	25-144
TERPHENYL-D14	90	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2802DL	Date Analyzed:	02/16/00 17:00
Lab Samp ID:	B049-06T	Dilution Factor:	5
Lab File ID:	RBX094	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	18.2
Calib. Ref.:	RBX091	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	2000	830
,2-DICHLOROBENZENE	ND	2000	790
,3-DICHLOROBENZENE	ND	2000	760
,4-DICHLOROBENZENE	ND	2000	710
,2'-OXYBIS(1-CHLOROPROPANE)	ND	2000	910
,4,5-TRICHLOROPHENOL	ND	5100	500
,4,6-TRICHLOROPHENOL	ND	2000	720
,4-DICHLOROPHENOL	ND	2000	940
,4-DIMETHYLPHENOL	ND	2000	700
,4-DINITROPHENOL	ND	5100	990
,4-DINITROTOLUENE	ND	2000	370
,6-DINITROTOLUENE	ND	2000	450
-CHLORONAPHTHALENE	ND	2000	810
-CHLOROPHENOL	ND	2000	740
-METHYLNAPHTHALENE	24000D	2000	880
-METHYLPHENOL	ND	2000	840
-NITROANILINE	ND	5100	540
-NITROPHENOL	ND	2000	920
,3'-DICHLOROBENZIDINE	ND	2000	450
-NITROANILINE	ND	5100	530
,6-DINITRO-2-METHYLPHENOL	ND	5100	690
-BROMOPHENYL-PHENYLETHER	ND	2000	470
-CHLORO-3-METHYLPHENOL	ND	2000	670
-CHLOROANILINE	ND	2000	730
-CHLOROPHENYL-PHENYLETHER	ND	2000	500
-METHYLPHENOL (2)	ND	2000	850
-NITROANILINE	ND	5100	430
-NITROPHENOL	ND	5100	930
CENAPHTHENE	ND	2000	630
CENAPHTHYLENE	ND	2000	630
THRACENE	ND	2000	410
NZO(A)ANTHRACENE	ND	2000	420
NZO(A)PYRENE	ND	1500	230
NZO(B)FLUORANTHENE	ND	2000	390
NZO(G,H,I)PERYLENE	ND	2000	250
NZO(K)FLUORANTHENE	ND	2000	420
S(2-CHLOROETHOXY)METHANE	ND	2000	910
S(2-CHLOROETHYL)ETHER	ND	2000	830
S(2-ETHYLHEXYL)PHTHALATE	ND	2000	520
TYLBENZYLPHTHALATE	ND	2000	460
RYSENE	ND	2000	550
-N-BUTYLPHTHALATE	ND	2000	490
-N-OCTYLPHTHALATE	ND	2000	310
BENZO(A,H)ANTHRACENE	ND	1500	190
BENZOFURAN	ND	2000	630
ETHYLPHTHALATE	ND	2000	330
METHYLPHTHALATE	ND	2000	370
UORANTHENE	ND	2000	470
UORENE	ND	2000	450
XACHLOROBENZENE	ND	2000	550
XACHLOROBUTADIENE	ND	2000	860
XACHLOROCYCLOPENTADIENE	ND	2000	1100
XACHLOROETHANE	ND	2000	770
DENO(1,2,3-CD)PYRENE	ND	2000	250
NITROSO-DI-N-PROPYLAMINE	ND	1500	860
NITROSODIPHENYLAMINE (1)	ND	2000	440
PHTHALENE	6900D	2000	830
TROBENZENE	ND	2000	820
NTACHLOROPHENOL	ND	5100	490
ENANTHRENE	ND	2000	410
ENOL	ND	2000	980
RENE	ND	2000	550

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
FLUOROPHENOL	62	25-135
ENOL-D5	64	25-135
TROBENZENE-D5	86	25-135
FLUOROBIPHENYL	80	34-135
4,6-TRIBROMOPHENOL	117	25-144
RPHENYL-D14	92	32-136

L : Project Reporting Limit
) : Cannot be separated from Diphenylamine
) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sa[illegible] ID:	18609-2803	Date Analyzed:	02/14/00 21:37
La[illegible] ID:	B049-07	Dilution Factor:	2
Lab[illegible]e ID:	R8X070	Matrix	: SOIL
Ext Btch ID:	SVB009S	% Moisture	: 10.5
Calib. Ref.:	RBX061	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	740	300
1,2-DICHLOROBENZENE	ND	740	290
1,3-DICHLOROBENZENE	ND	740	280
1,4-DICHLOROBENZENE	ND	740	260
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	740	330
2,4,5-TRICHLOROPHENOL	ND	1900	180
2,4,6-TRICHLOROPHENOL	ND	740	260
2,4-DICHLOROPHENOL	ND	740	340
2,4-DIMETHYLPHENOL	ND	740	260
2,4-DINITROPHENOL	ND	1900	360
2,4-DINITROTOLUENE	ND	740	130
2,6-DINITROTOLUENE	ND	740	170
2-CHLORONAPHTHALENE	ND	740	300
2-CHLOROPHENOL	ND	740	270
2-METHYLNAPHTHALENE	ND	740	320
2-METHYLPHENOL	ND	740	310
2-NITROANILINE	ND	1900	200
2-NITROPHENOL	ND	740	340
3,3'-DICHLOROBENZIDINE	ND	740	160
3-NITROANILINE	ND	1900	190
4,6-DINITRO-2-METHYLPHENOL	ND	1900	250
4-BROMOPHENYL-PHENYLETHER	ND	740	170
4-CHLORO-3-METHYLPHENOL	ND	740	240
4-CHLOROANILINE	ND	740	270
4-CHLOROPHENYL-PHENYLETHER	ND	740	180
4-METHYLPHENOL (2)	ND	740	310
4-NITROANILINE	ND	1900	160
4-NITROPHENOL	ND	1900	340
ACENAPHTHENE	ND	740	230
ACENAPHTHYLENE	ND	740	230
ANTHRACENE	ND	740	150
BENZO(A)ANTHRACENE	ND	740	150
BENZO(A)PYRENE	ND	560	83
BEN[illegible]FLUORANTHENE	ND	740	140
BE[illegible],I)PERYLENE	ND	740	93
BE[illegible]LUORANTHENE	ND	740	150
BIS(2-CHLOROETHOXY)METHANE	ND	740	330
BIS(2-CHLOROETHYL)ETHER	ND	740	310
BIS(2-ETHYLHEXYL)PHTHALATE	ND	740	190
BUTYLBENZYLPHTHALATE	ND	740	170
CHRYSENE	ND	740	200
DI-N-BUTYLPHTHALATE	ND	740	180
DI-N-OCTYLPHTHALATE	ND	740	110
DIBENZO(A,H)ANTHRACENE	ND	560	70
DIBENZOFURAN	ND	740	230
DIETHYLPHTHALATE	ND	740	120
DIMETHYLPHTHALATE	ND	740	130
FLUORANTHENE	ND	740	170
FLUORENE	ND	740	170
HEXACHLOROBENZENE	ND	740	200
HEXACHLOROBUTADIENE	ND	740	310
HEXACHLOROCYCLOPENTADIENE	ND	740	400
HEXACHLOROETHANE	ND	740	280
INDENO(1,2,3-CD)PYRENE	ND	740	93
N-NITROSO-DI-N-PROPYLAMINE	ND	560	320
N-NITROSODIPHENYLAMINE (1)	ND	740	160
NAPHTHALENE	ND	740	300
NITROBENZENE	ND	740	300
PENTACHLOROPHENOL	ND	1900	180
PHENANTHRENE	ND	740	150
PHENOL	ND	740	360
PYRENE	ND	740	200

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	37	25-135
PHENOL-D5	46	25-135
NITROBENZENE-D5	45	25-135
2-FLUOROBIPHENYL	60	34-135
2,4,6-TRIBROMOPHENOL	88	25-144
TERPHENYL-D14	76	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2804	Date Analyzed:	02/16/00 22:14
Lab Samp ID:	B049-08	Dilution Factor:	2
Lab File ID:	RBX071	Matrix	: SOIL
Ext Btch ID:	SV8009S	% Moisture	: 10.3
Calib. Ref.:	RBX061	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	740	300
,2-DICHLOROBENZENE	ND	740	290
,3-DICHLOROBENZENE	ND	740	280
,4-DICHLOROBENZENE	ND	740	260
,2'-OXYBIS(1-CHLOROPROPANE)	ND	740	330
,4,5-TRICHLOROPHENOL	ND	1900	180
,4,6-TRICHLOROPHENOL	ND	740	260
,4-DICHLOROPHENOL	ND	740	340
,4-DIMETHYLPHENOL	ND	740	260
,4-DINITROPHENOL	ND	1900	360
,4-DINITROTOLUENE	ND	740	130
,6-DINITROTOLUENE	ND	740	160
-CHLORONAPHTHALENE	ND	740	300
-CHLOROPHENOL	ND	740	270
-METHYLNAPHTHALENE	ND	740	320
-METHYLPHENOL	ND	740	310
-NITROANILINE	ND	1900	200
-NITROPHENOL	ND	740	340
,3'-DICHLOROBENZIDINE	ND	740	160
-NITROANILINE	ND	1900	190
,6-DINITRO-2-METHYLPHENOL	ND	1900	250
-BROMOPHENYL-PHENYLETHER	ND	740	170
-CHLORO-3-METHYLPHENOL	ND	740	240
-CHLOROANILINE	ND	740	270
-CHLOROPHENYL-PHENYLETHER	ND	740	180
-METHYLPHENOL (2)	ND	740	310
-NITROANILINE	ND	1900	160
-NITROPHENOL	ND	1900	340
CENAPHTHENE	ND	740	230
CENAPHTHYLENE	ND	740	230
NTHRACENE	ND	740	150
ENZO(A)ANTHRACENE	ND	740	150
ENZO(A)PYRENE	ND	560	82
ENZO(B)FLUORANTHENE	ND	740	140
ENZO(G,H,I)PERYLENE	ND	740	93
ENZO(K)FLUORANTHENE	ND	740	150
IS(2-CHLOROETHOXY)METHANE	ND	740	330
IS(2-CHLOROETHYL)ETHER	ND	740	300
IS(2-ETHYLHEXYL)PHTHALATE	ND	740	190
JTYLBENZYLPHTHALATE	ND	740	170
HRYSENE	ND	740	200
I-N-BUTYLPHTHALATE	ND	740	180
I-N-OCTYLPHTHALATE	ND	740	110
IBENZO(A,H)ANTHRACENE	ND	560	70
IBENZOFURAN	ND	740	230
IETHYLPHTHALATE	ND	740	120
IMETHYLPHTHALATE	ND	740	130
LUORANTHENE	ND	740	170
LUORENE	ND	740	160
EXACHLOROBENZENE	ND	740	200
EXACHLOROBUTADIENE	ND	740	310
EXACHLOROCYCLOPENTADIENE	ND	740	400
EXACHLOROETHANE	ND	740	280
NDENO(1,2,3-CD)PYRENE	ND	740	93
-NITROSO-DI-N-PROPYLAMINE	ND	560	310
-NITROSODIPHENYLAMINE (1)	ND	740	160
APHTHALENE	ND	740	300
ITROBENZENE	ND	740	300
ENTACHLOROPHENOL	ND	1900	180
HENANTHRENE	ND	740	150
HENOL	ND	740	360
YRENE	ND	740	200

JRROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	24*	25-135
HENOL-D5	31	25-135
ITROBENZENE-D5	32	25-135
-FLUOROBIPHENYL	43	34-135
,4,6-TRIBROMOPHENOL	53	25-144
ERPHENYL-D14	51	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch	: 008049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2805	Date Analyzed:	02/14/00 22:51
Lab Sample ID:	B049-09	Dilution Factor:	1
Lab File ID:	RBX072	Matrix	: SOIL
Ext Btch ID:	SVB009S	% Moisture	: 15.0
Calib. Ref.:	RBX061	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	390	160
,2-DICHLOROBENZENE	ND	390	150
,3-DICHLOROBENZENE	ND	390	150
,4-DICHLOROBENZENE	ND	390	140
,2'-OXYBIS(1-CHLOROPROPANE)	ND	390	180
,4,5-TRICHLOROPHENOL	ND	980	95
,4,6-TRICHLOROPHENOL	ND	390	140
,4-DICHLOROPHENOL	ND	390	180
,4-DIMETHYLPHENOL	ND	390	130
,4-DINITROPHENOL	ND	980	190
,4-DINITROTOLUENE	ND	390	70
,6-DINITROTOLUENE	ND	390	87
-CHLORONAPHTHALENE	ND	390	160
-CHLOROPHENOL	ND	390	140
-METHYLNAPHTHALENE	ND	390	170
-METHYLPHENOL	ND	390	160
-NITROANILINE	ND	980	100
-NITROPHENOL	ND	390	180
,3'-DICHLOROBENZIDINE	ND	390	86
-NITROANILINE	ND	980	100
,6-DINITRO-2-METHYLPHENOL	ND	980	130
-BROMOPHENYL-PHENYLETHER	ND	390	91
-CHLORO-3-METHYLPHENOL	ND	390	130
-CHLOROANILINE	ND	390	140
-CHLOROPHENYL-PHENYLETHER	ND	390	96
-METHYLPHENOL (2)	ND	390	160
-NITROANILINE	ND	980	82
-NITROPHENOL	ND	980	180
ENAPHTHENE	ND	390	120
ENAPHTHYLENE	ND	390	120
ITHRACENE	ND	390	79
NZO(A)ANTHRACENE	ND	390	81
NZO[illegible]YRENE	ND	290	44
NZ[illegible]UORANTHENE	ND	390	75
NZ[illegible]I)PERYLENE	ND	390	49
NZO[illegible]FLUORANTHENE	ND	390	80
S(2-CHLOROETHOXY)METHANE	ND	390	180
S(2-CHLOROETHYL)ETHER	ND	390	160
S(2-ETHYLHEXYL)PHTHALATE	ND	390	100
ITYLBENZYLPHTHALATE	ND	390	89
RYSENE	ND	390	110
-N-BUTYLPHTHALATE	ND	390	94
-N-OCTYLPHTHALATE	ND	390	59
BENZO(A,H)ANTHRACENE	ND	290	37
BENZOFURAN	ND	390	120
ETHYLPHTHALATE	ND	390	64
METHYLPHTHALATE	ND	390	70
UORANTHENE	ND	390	91
UORENE	ND	390	87
XACHLOROBENZENE	ND	390	110
XACHLOROBUTADIENE	ND	390	170
XACHLOROCYCLOPENTADIENE	ND	390	210
XACHLOROETHANE	ND	390	150
DENO(1,2,3-CD)PYRENE	ND	390	49
NITROSO-DI-N-PROPYLAMINE	ND	290	170
NITROSODIPHENYLAMINE (1)	ND	390	85
PHTHALENE	ND	390	160
TROBENZENE	ND	390	160
NTACHLOROPHENOL	ND	980	95
ENANTHRENE	ND	390	78
ENOL	ND	390	190
RENE	ND	390	110

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
FLUOROPHENOL	51	25-135
ENOL-D5	57	25-135
TROBENZENE-D5	58	25-135
FLUOROBIPHENYL	62	34-135
4,6-TRIBROMOPHENOL	75	25-144
RPHENYL-D14	81	32-136

L : Project Reporting Limit
) : Cannot be separated from Diphenylamine
) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2806	Date Analyzed:	02/15/00 00:42
Lab Samp ID:	B049-10	Dilution Factor:	1
Lab File ID:	RBX075	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	14.8
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	390	160
1,2-DICHLOROBENZENE	ND	390	150
1,3-DICHLOROBENZENE	ND	390	150
1,4-DICHLOROBENZENE	ND	390	140
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	390	180
2,4,5-TRICHLOROPHENOL	ND	970	95
2,4,6-TRICHLOROPHENOL	ND	390	140
2,4-DICHLOROPHENOL	ND	390	180
2,4-DIMETHYLPHENOL	ND	390	130
2,4-DINITROPHENOL	ND	970	190
2,4-DINITROTOLUENE	ND	390	70
2,6-DINITROTOLUENE	ND	390	87
2-CHLORONAPHTHALENE	ND	390	160
2-CHLOROPHENOL	ND	390	140
2-METHYLNAPHTHALENE	ND	390	170
2-METHYLPHENOL	ND	390	160
2-NITROANILINE	ND	970	100
2-NITROPHENOL	ND	390	180
3,3'-DICHLOROBENZIDINE	ND	390	86
3-NITROANILINE	ND	970	100
4,6-DINITRO-2-METHYLPHENOL	ND	970	130
4-BROMOPHENYL-PHENYLETHER	ND	390	91
4-CHLORO-3-METHYLPHENOL	ND	390	130
4-CHLOROANILINE	ND	390	140
4-CHLOROPHENYL-PHENYLETHER	ND	390	96
4-METHYLPHENOL (2)	ND	390	160
4-NITROANILINE	ND	970	82
4-NITROPHENOL	ND	970	180
ACENAPHTHENE	ND	390	120
ACENAPHTHYLENE	ND	390	120
ANTHRACENE	ND	390	79
BENZO(A)ANTHRACENE	ND	390	81
BENZO(A)PYRENE	ND	290	43
BENZO(B)FLUORANTHENE	ND	390	75
BENZO(G,H,I)PERYLENE	ND	390	49
BENZO(K)FLUORANTHENE	ND	390	80
BIS(2-CHLOROETHOXY)METHANE	ND	390	180
BIS(2-CHLOROETHYL)ETHER	ND	390	160
BIS(2-ETHYLHEXYL)PHTHALATE	ND	390	100
BUTYLBENZYLPHTHALATE	ND	390	89
CHRYSENE	ND	390	110
DI-N-BUTYLPHTHALATE	ND	390	94
DI-N-OCTYLPHTHALATE	ND	390	59
DIBENZO(A,H)ANTHRACENE	ND	290	37
DIBENZOFURAN	ND	390	120
DIETHYLPHTHALATE	ND	390	64
DIMETHYLPHTHALATE	ND	390	70
FLUORANTHENE	ND	390	91
FLUORENE	ND	390	87
HEXACHLOROBENZENE	ND	390	110
HEXACHLOROBUTADIENE	ND	390	160
HEXACHLOROCYCLOPENTADIENE	ND	390	210
HEXACHLOROETHANE	ND	390	150
INDENO(1,2,3-CD)PYRENE	ND	390	49
N-NITROSO-DI-N-PROPYLAMINE	ND	290	170
N-NITROSODIPHENYLAMINE (1)	ND	390	84
NAPHTHALENE	ND	390	160
NITROBENZENE	ND	390	160
PENTACHLOROPHENOL	ND	970	94
PHENANTHRENE	ND	390	78
PHENOL	ND	390	190
PYRENE	ND	390	110

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	49	25-135
PHENOL-D5	54	25-135
NITROBENZENE-D5	55	25-135
2-FLUOROBIPHENYL	60	34-135
2,4,6-TRIBROMOPHENOL	70	25-144
TERPHENYL-D14	79	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch	: 00B049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2807	Date Analyzed:	02/15/00 01:19
Lab Sample ID:	B049-11	Dilution Factor:	2
Lab File ID:	RBX076	Matrix	: SOIL
Ext Btch ID:	SVB009S	% Moisture	: 9.7
Calib. Ref.:	RBX061	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	730	300
,2-DICHLOROBENZENE	ND	730	280
,3-DICHLOROBENZENE	ND	730	280
,4-DICHLOROBENZENE	ND	730	260
,2'-OXYBIS(1-CHLOROPROPANE)	ND	730	330
,4,5-TRICHLOROPHENOL	ND	1800	180
,4,6-TRICHLOROPHENOL	ND	730	260
,4-DICHLOROPHENOL	ND	730	340
,4-DIMETHYLPHENOL	ND	730	250
,4-DINITROPHENOL	ND	1800	360
,4-DINITROTOLUENE	ND	730	130
,6-DINITROTOLUENE	ND	730	160
-CHLORONAPHTHALENE	ND	730	290
-CHLOROPHENOL	ND	730	270
-METHYLNAPHTHALENE	ND	730	320
-METHYLPHENOL	ND	730	310
-NITROANILINE	ND	1800	200
-NITROPHENOL	ND	730	330
,3'-DICHLOROBENZIDINE	ND	730	160
-NITROANILINE	ND	1800	190
,6-DINITRO-2-METHYLPHENOL	ND	1800	250
-BROMOPHENYL-PHENYLETHER	ND	730	170
-CHLORO-3-METHYLPHENOL	ND	730	240
-CHLOROANILINE	ND	730	270
-CHLOROPHENYL-PHENYLETHER	ND	730	180
-METHYLPHENOL (2)	ND	730	310
-NITROANILINE	ND	1800	160
-NITROPHENOL	ND	1800	340
ENAPHTHENE	ND	730	230
ENAPHTHYLENE	ND	730	230
THRACENE	ND	730	150
NZO(A)ANTHRACENE	ND	730	150
NZO[illegible]YRENE	ND	550	82
NZ[illegible]UORANTHENE	ND	730	140
NZ[illegible]I)PERYLENE	ND	730	92
NZO[illegible]FLUORANTHENE	ND	730	150
S(2-CHLOROETHOXY)METHANE	ND	730	330
S(2-CHLOROETHYL)ETHER	ND	730	300
S(2-ETHYLHEXYL)PHTHALATE	ND	730	190
TYLBENZYLPHTHALATE	ND	730	170
RYSENE	ND	730	200
-N-BUTYLPHTHALATE	ND	730	180
-N-OCTYLPHTHALATE	ND	730	110
BENZO(A,H)ANTHRACENE	ND	550	70
BENZOFURAN	ND	730	230
ETHYLPHTHALATE	ND	730	120
METHYLPHTHALATE	ND	730	130
UORANTHENE	ND	730	170
UORENE	ND	730	160
XACHLOROBENZENE	ND	730	200
XACHLOROBUTADIENE	ND	730	310
XACHLOROCYCLOPENTADIENE	ND	730	390
XACHLOROETHANE	ND	730	280
DENO(1,2,3-CD)PYRENE	ND	730	92
-NITROSO-DI-N-PROPYLAMINE	ND	550	310
-NITROSODIPHENYLAMINE (1)	ND	730	160
PHTHALENE	ND	730	300
TROBENZENE	ND	730	300
NTACHLOROPHENOL	ND	1800	180
ENANTHRENE	ND	730	150
ENOL	ND	730	350
RENE	ND	730	200

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	41	25-135
ENOL-D5	46	25-135
TROBENZENE-D5	46	25-135
-FLUOROBIPHENYL	55	34-135
,4,6-TRIBROMOPHENOL	63	25-144
ERPHENYL-D14	74	32-136

RL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 17:00
Sample ID:	18609-2808	Date Analyzed:	02/15/00 01:56
Lab Samp ID:	B049-12	Dilution Factor:	1
Lab File ID:	RBX077	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	10.6
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	370	150
1,2-DICHLOROBENZENE	ND	370	140
1,3-DICHLOROBENZENE	ND	370	140
1,4-DICHLOROBENZENE	ND	370	130
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	370	170
2,4,5-TRICHLOROPHENOL	ND	930	91
2,4,6-TRICHLOROPHENOL	ND	370	130
2,4-DICHLOROPHENOL	ND	370	170
2,4-DIMETHYLPHENOL	ND	370	130
2,4-DINITROPHENOL	ND	930	180
2,4-DINITROTOLUENE	ND	370	67
2,6-DINITROTOLUENE	ND	370	83
2-CHLORONAPHTHALENE	ND	370	150
2-CHLOROPHENOL	ND	370	140
2-METHYLNAPHTHALENE	ND	370	160
2-METHYLPHENOL	ND	370	150
2-NITROANILINE	ND	930	99
2-NITROPHENOL	ND	370	170
3,3'-DICHLOROBENZIDINE	ND	370	82
3-NITROANILINE	ND	930	97
4,6-DINITRO-2-METHYLPHENOL	ND	930	130
4-BROMOPHENYL-PHENYLETHER	ND	370	87
4-CHLORO-3-METHYLPHENOL	ND	370	120
4-CHLOROANILINE	ND	370	130
4-CHLOROPHENYL-PHENYLETHER	ND	370	92
4-METHYLPHENOL (2)	ND	370	160
4-NITROANILINE	ND	930	78
4-NITROPHENOL	ND	930	170
ACENAPHTHENE	ND	370	120
ACENAPHTHYLENE	ND	370	110
ANTHRACENE	ND	370	75
BENZO(A)ANTHRACENE	ND	370	77
BENZO(A)PYRENE	ND	280	41
BENZO(B)FLUORANTHENE	ND	370	71
BENZO(G,H,I)PERYLENE	ND	370	46
BENZO(K)FLUORANTHENE	ND	370	76
BIS(2-CHLOROETHOXY)METHANE	ND	370	170
BIS(2-CHLOROETHYL)ETHER	ND	370	150
BIS(2-ETHYLHEXYL)PHTHALATE	ND	370	96
BUTYLBENZYLPHTHALATE	ND	370	85
CHRYSENE	ND	370	100
DI-N-BUTYLPHTHALATE	ND	370	89
DI-N-OCTYLPHTHALATE	ND	370	56
DIBENZO(A,H)ANTHRACENE	ND	280	35
DIBENZOFURAN	ND	370	120
DIETHYLPHTHALATE	ND	370	61
DIMETHYLPHTHALATE	ND	370	67
FLUORANTHENE	ND	370	87
FLUORENE	ND	370	83
HEXACHLOROBENZENE	ND	370	100
HEXACHLOROBUTADIENE	ND	370	160
HEXACHLOROCYCLOPENTADIENE	ND	370	200
HEXACHLOROETHANE	ND	370	140
INDENO(1,2,3-CD)PYRENE	ND	370	46
N-NITROSO-DI-N-PROPYLAMINE	ND	280	160
N-NITROSODIPHENYLAMINE (1)	ND	370	80
NAPHTHALENE	ND	370	150
NITROBENZENE	ND	370	150
PENTACHLOROPHENOL	ND	930	90
PHENANTHRENE	ND	370	74
PHENOL	ND	370	180
PYRENE	ND	370	100

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	53	25-135
PHENOL-D5	60	25-135
NITROBENZENE-D5	61	25-135
2-FLUOROBIPHENYL	65	34-135
2,4,6-TRIBROMOPHENOL	64	25-144
TERPHENYL-D14	80	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client : IT CORPORATION	Date Collected: 02/09/00
Proj : MCAS EL TORO/18609/D.O. 70	Date Received: 02/09/00
Bat : 008049	Date Extracted: 02/11/00 17:00
Sa ID: 18609-2809	Date Analyzed: 02/15/00 02:33
Lab p ID: B049-13	Dilution Factor: 2
Lab File ID: RBX078	Matrix : SOIL
Ext Btch ID: SVB009S	% Moisture : 15.4
Calib. Ref.: RBX061	Instrument ID : T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	780	320
,2-DICHLOROBENZENE	ND	780	300
,3-DICHLOROBENZENE	ND	780	300
,4-DICHLOROBENZENE	ND	780	280
,2'-OXYBIS(1-CHLOROPROPANE)	ND	780	350
,4,5-TRICHLOROPHENOL	ND	2000	190
,4,6-TRICHLOROPHENOL	ND	780	280
,4-DICHLOROPHENOL	ND	780	360
,4-DIMETHYLPHENOL	ND	780	270
,4-DINITROPHENOL	ND	2000	380
,4-DINITROTOLUENE	ND	780	140
,6-DINITROTOLUENE	ND	780	170
-CHLORONAPHTHALENE	ND	780	310
-CHLOROPHENOL	ND	780	290
-METHYLNAPHTHALENE	ND	780	340
-METHYLPHENOL	ND	780	330
-NITROANILINE	ND	2000	210
-NITROPHENOL	ND	780	360
,3'-DICHLOROBENZIDINE	ND	780	170
-NITROANILINE	ND	2000	210
,6-DINITRO-2-METHYLPHENOL	ND	2000	270
-BROMOPHENYL-PHENYLETHER	ND	780	180
-CHLORO-3-METHYLPHENOL	ND	780	260
-CHLOROANILINE	ND	780	280
-CHLOROPHENYL-PHENYLETHER	ND	780	190
-METHYLPHENOL (2)	ND	780	330
-NITROANILINE	ND	2000	170
-NITROPHENOL	ND	2000	360
CENAPHTHENE	ND	780	250
CENAPHTHYLENE	ND	780	240
NTHRACENE	ND	780	160
ENZO(A)ANTHRACENE	ND	780	160
ENZ YRENE	ND	590	87
EN UORANTHENE	ND	780	150
EN I)PERYLENE	ND	780	98
ENZO(K)FLUORANTHENE	ND	780	160
IS(2-CHLOROETHOXY)METHANE	ND	780	350
IS(2-CHLOROETHYL)ETHER	ND	780	320
IS(2-ETHYLHEXYL)PHTHALATE	ND	780	200
JTYLBENZYLPHTHALATE	ND	780	180
HRYSENE	ND	780	210
I-N-BUTYLPHTHALATE	ND	780	190
I-N-OCTYLPHTHALATE	ND	780	120
IBENZO(A,H)ANTHRACENE	ND	590	74
IBENZOFURAN	ND	780	240
IETHYLPHTHALATE	ND	780	130
IMETHYLPHTHALATE	ND	780	140
LUORANTHENE	ND	780	180
LUORENE	ND	780	170
EXACHLOROBENZENE	ND	780	210
EXACHLOROBUTADIENE	ND	780	330
EXACHLOROCYCLOPENTADIENE	ND	780	420
EXACHLOROETHANE	ND	780	300
NDENO(1,2,3-CD)PYRENE	ND	780	98
-NITROSO-DI-N-PROPYLAMINE	ND	590	330
-NITROSODIPHENYLAMINE (1)	ND	780	170
APHTHALENE	ND	780	320
ITROBENZENE	ND	780	320
ENTACHLOROPHENOL	ND	2000	190
HENANTHRENE	ND	780	160
HENOL	ND	780	380
RENE	ND	780	210

URROGATE PARAMETERS	% RECOVERY	QC LIMIT
-FLUOROPHENOL	41	25-135
HENOL-D5	47	25-135
ITROBENZENE-D5	49	25-135
-FLUOROBIPHENYL	53	34-135
,4,6-TRIBROMOPHENOL	49	25-144
ERPHENYL-D14	66	32-136

RL : Project Reporting Limit
) : Cannot be separated from Diphenylamine
) : Cannot be separated from 3-Methylphenol

METHOD 3520B/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
Batch No.	: 008049	Date Extracted:	02/11/00 11:00
Sample ID:	18609-2810	Date Analyzed:	02/14/00 20:05
Lab Samp ID:	B049-14	Dilution Factor:	.98
Lab File ID:	RBZ286	Matrix :	WATER
Ext Btch ID:	SVB008W	% Moisture :	NA
Calib. Ref.:	RBZ281	Instrument ID :	T048

PARAMETERS	RESULTS (ug/L)	PRL (ug/L)	MDL (ug/L)
1,2,4-TRICHLOROBENZENE	ND	9.8	.84
1,2-DICHLOROBENZENE	ND	9.8	.5
1,3-DICHLOROBENZENE	ND	9.8	.78
1,4-DICHLOROBENZENE	ND	9.8	1.1
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	9.8	4.7
2,4,5-TRICHLOROPHENOL	ND	25	2.7
2,4,6-TRICHLOROPHENOL	ND	9.8	2.6
2,4-DICHLOROPHENOL	ND	9.8	2.4
2,4-DIMETHYLPHENOL	ND	9.8	1.4
2,4-DINITROPHENOL	ND	25	4.8
2,4-DINITROTOLUENE	ND	9.8	2.4
2,6-DINITROTOLUENE	ND	9.8	1.6
2-CHLORONAPHTHALENE	ND	9.8	.85
2-CHLOROPHENOL	ND	9.8	2.2
2-METHYLNAPHTHALENE	ND	9.8	1
2-METHYLPHENOL	ND	9.8	1.5
2-NITROANILINE	ND	25	3
2-NITROPHENOL	ND	9.8	2.9
3,3'-DICHLOROBENZIDINE	ND	9.8	4.3
3-NITROANILINE	ND	25	1.6
4,6-DINITRO-2-METHYLPHENOL	ND	25	3.1
4-BROMOPHENYL-PHENYLETHER	ND	9.8	.55
4-CHLORO-3-METHYLPHENOL	ND	9.8	3
4-CHLOROANILINE	ND	9.8	2.9
4-CHLOROPHENYL-PHENYLETHER	ND	9.8	2
4-METHYLPHENOL (2)	ND	9.8	2.1
4-NITROANILINE	ND	25	3.5
4-NITROPHENOL	ND	25	5.9
ACENAPHTHENE	ND	9.8	1
ACENAPHTHYLENE	ND	9.8	.75
ANTHRACENE	ND	9.8	1
BENZO(A)ANTHRACENE	ND	9.8	1
BENZO(A)PYRENE	ND	9.8	1.2
BENZO(B)FLUORANTHENE	ND	9.8	3.1
BENZO(G,H,I)PERYLENE	ND	9.8	.51
BENZO(K)FLUORANTHENE	ND	9.8	3.6
BIS(2-CHLOROETHOXY)METHANE	ND	9.8	2.1
BIS(2-CHLOROETHYL)ETHER	ND	9.8	2.6
BIS(2-ETHYLHEXYL)PHTHALATE	ND	9.8	1.4
BUTYLBENZYLPHTHALATE	ND	9.8	1.6
CHRYSENE	ND	9.8	1.4
DI-N-BUTYLPHTHALATE	ND	9.8	2.3
DI-N-OCTYLPHTHALATE	ND	9.8	.87
DIBENZO(A,H)ANTHRACENE	ND	9.8	1.3
DIBENZOFURAN	ND	9.8	.9
DIETHYLPHTHALATE	ND	9.8	.96
DIMETHYLPHTHALATE	ND	9.8	1
FLUORANTHENE	ND	9.8	1.1
FLUORENE	ND	9.8	2.3
HEXACHLOROBENZENE	ND	9.8	1.2
HEXACHLOROBUTADIENE	ND	9.8	.82
HEXACHLOROCYCLOPENTADIENE	ND	9.8	8.7
HEXACHLOROETHANE	ND	9.8	1.9
INDENO(1,2,3-CD)PYRENE	ND	9.8	1.1
N-NITROSO-DI-N-PROPYLAMINE	ND	9.8	1.3
N-NITROSODIPHENYLAMINE (1)	ND	9.8	1.6
NAPHTHALENE	ND	9.8	1.3
NITROBENZENE	ND	9.8	1.4
PENTACHLOROPHENOL	ND	25	2.9
PHENANTHRENE	ND	9.8	.65
PHENOL	ND	9.8	2.4
PYRENE	ND	9.8	.38

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	48	25-125
PHENOL-D5	48	25-125
NITROBENZENE-D5	55	32-125
2-FLUOROBIPHENYL	49	43-125
2,4,6-TRIBROMOPHENOL	49	25-134
TERPHENYL-D14	88	42-126

PRL : Project Reporting Limit
1) : Cannot be separated from Diphenylamine
2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	NA
Bat[illegible]	: 008049	Date Extracted:	02/11/00 17:00
Sa[illegible] ID:	MBLK1S	Date Analyzed:	02/14/00 16:45
Lab[illegible] ID:	SVB009SB	Dilution Factor:	1
Lab File ID:	RBX062	Matrix :	SOIL
Ext Btch ID:	SVB009S	% Moisture :	NA
Calib. Ref.:	RBX061	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
,2,4-TRICHLOROBENZENE	ND	330	140
,2-DICHLOROBENZENE	ND	330	130
,3-DICHLOROBENZENE	ND	330	120
,4-DICHLOROBENZENE	ND	330	120
,2'-OXYBIS(1-CHLOROPROPANE)	ND	330	150
,4,5-TRICHLOROPHENOL	ND	830	81
,4,6-TRICHLOROPHENOL	ND	330	120
,4-DICHLOROPHENOL	ND	330	150
,4-DIMETHYLPHENOL	ND	330	110
,4-DINITROPHENOL	ND	830	160
,4-DINITROTOLUENE	ND	330	60
,6-DINITROTOLUENE	ND	330	74
-CHLORONAPHTHALENE	ND	330	130
-CHLOROPHENOL	ND	330	120
-METHYLNAPHTHALENE	ND	330	140
-METHYLPHENOL	ND	330	140
-NITROANILINE	ND	830	89
-NITROPHENOL	ND	330	150
,3'-DICHLOROBENZIDINE	ND	330	73
-NITROANILINE	ND	830	87
,6-DINITRO-2-METHYLPHENOL	ND	830	110
-BROMOPHENYL-PHENYLETHER	ND	330	78
-CHLORO-3-METHYLPHENOL	ND	330	110
-CHLOROANILINE	ND	330	120
-CHLOROPHENYL-PHENYLETHER	ND	330	82
-METHYLPHENOL (2)	ND	330	140
-NITROANILINE	ND	830	70
-NITROPHENOL	ND	830	150
CENAPHTHENE	ND	330	100
CENAPHTHYLENE	ND	330	100
NTHRACENE	ND	330	67
ENZO(A)ANTHRACENE	ND	330	69
ENZO(A)PYRENE	ND	250	37
ENZ[illegible]UORANTHENE	ND	330	64
EN[illegible]I)PERYLENE	ND	330	41
EN[illegible]FLUORANTHENE	ND	330	68
IS(2-CHLOROETHOXY)METHANE	ND	330	150
IS(2-CHLOROETHYL)ETHER	ND	330	140
IS(2-ETHYLHEXYL)PHTHALATE	ND	330	85
UTYLBENZYLPHTHALATE	ND	330	76
HRYSENE	ND	330	90
I-N-BUTYLPHTHALATE	ND	330	80
I-N-OCTYLPHTHALATE	ND	330	50
IBENZO(A,H)ANTHRACENE	ND	250	32
IBENZOFURAN	ND	330	100
IETHYLPHTHALATE	ND	330	54
IMETHYLPHTHALATE	ND	330	60
LUORANTHENE	ND	330	77
LUORENE	ND	330	74
EXACHLOROBENZENE	ND	330	91
EXACHLOROBUTADIENE	ND	330	140
EXACHLOROCYCLOPENTADIENE	ND	330	180
EXACHLOROETHANE	ND	330	130
IDENO(1,2,3-CD)PYRENE	ND	330	41
-NITROSO-DI-N-PROPYLAMINE	ND	250	140
-NITROSODIPHENYLAMINE (1)	ND	330	72
APHTHALENE	ND	330	130
TROBENZENE	ND	330	130
ENTACHLOROPHENOL	ND	830	80
IENANTHRENE	ND	330	66
IENOL	ND	330	160
RENE	ND	330	90

RROGATE PARAMETERS	% RECOVERY	QC LIMIT
FLUOROPHENOL	79	25-135
IENOL-D5	81	25-135
TROBENZENE-D5	86	25-135
FLUOROBIPHENYL	91	34-135
4,6-TRIBROMOPHENOL	97	25-144
RPHENYL-D14	97	32-136

L : Project Reporting Limit
) : Cannot be separated from Diphenylamine
) : Cannot be separated from 3-Methylphenol

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 008049
METHOD: METHOD 3550A/8270B

MATRIX:	SOIL		% MOISTURE:	NA
DILUTION FACTOR:	1	1		
SAMPLE ID:	MBLK1S			
LAB SAMP ID:	SVB009SB	SVB009SL		
LAB FILE ID:	RBX062	RBX063		
DATE EXTRACTED:	02/11/0017:00	02/11/0017:00	DATE COLLECTED:	NA
DATE ANALYZED:	02/14/0016:45	02/14/0017:21	DATE RECEIVED:	NA
PREP. BATCH:	SVB009S	SVB009S		
CALIB. REF:	RBX061	RBX061		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	QC LIMIT (%)
1,2,4-Trichlorobenzene	ND	3330	2430	73	34-152
1,4-Dichlorobenzene	ND	3330	2310	69	25-135
2,4-Dinitrotoluene	ND	3330	2960	89	29-149
2-Chlorophenol	ND	5000	3230	65	31-135
4-Chloro-3-Methylphenol	ND	5000	3580	72	34-135
4-Nitrophenol	ND	5000	4200	84	25-141
Acenaphthene	ND	3330	2630	79	39-135
N-Nitroso-di-n-propyl.	ND	3330	2540	76	27-135
Pentachlorophenol	ND	5000	4600	92	38-146
Phenol	ND	5000	2990	60	25-135
Pyrene	ND	3330	2760	83	37-146

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	QC LIMIT (%)
2-Fluorophenol	5000	3510	70	25-135
Phenol-d5	5000	3540	71	25-135
Nitrobenzene-d5	3330	2560	77	25-135
2-Fluorobiphenyl	3330	2690	81	34-125
2,4,6-Tribromophenol	5000	4470	89	25-144
Terphenyl-d14	3330	3020	91	32-136

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 3550A/8270B

MATRIX:	SOIL			% MOISTURE:	15.0
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	18609-2805				
LAB SAMP ID:	B049-09	B049-09M	B049-09S		
LAB FILE ID:	RBX072	RBX073	RBX074		
DATE EXTRACTED:	02/11/0017:00	02/11/0017:00	02/11/0017:00	DATE COLLECTED:	02/09/00
DATE ANALYZED:	02/14/0022:51	02/14/0023:28	02/15/0000:05	DATE RECEIVED:	02/09/00
PREP. BATCH:	SVB009S	SVB009S	SVB009S		
CALIB. REF:	RBX061	RBX061	RBX061		

ACCESSION:

PARAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,2,4-Trichlorobenzene	ND	3920	3060	78	3920	2800	72	9	34-152	30
1,4-Dichlorobenzene	ND	3920	2820	72	3920	2620	67	7	25-135	30
2,4-Dinitrotoluene	ND	3920	3480	89	3920	3100	79	12	29-149	30
2-Chlorophenol	ND	5880	4000	68	5880	3680	63	8	31-135	30
4-Chloro-3-Methylphenol	ND	5880	4460	76	5880	4080	69	9	34-135	30
4-Nitrophenol	ND	5880	5080	86	5880	4620	79	10	25-141	30
Acenaphthene	ND	3920	3100	79	3920	2820	72	9	39-135	30
N-Nitroso-di-n-propyl.	ND	3920	3070	78	3920	2820	72	9	27-135	30
Pentachlorophenol	ND	5880	5700	97	5880	4980	85	13	38-146	30
Phenol	ND	5880	3680	63	5880	3400	58	8	25-135	30
Pyrene	ND	3920	3220	82	3920	2950	75	9	37-146	30

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT (%)
2-Fluorophenol	5880	3960	67	5880	3790	64	25-135
Phenol-d5	5880	4220	72	5880	4020	68	25-135
Nitrobenzene-d5	3920	2910	74	3920	2790	71	25-135
2-Fluorobiphenyl	3920	3100	79	3920	2830	72	34-125
2,4,6-Tribromophenol	5880	5320	90	5880	4760	81	25-144
Terphenyl-d14	3920	3490	89	3920	3300	84	32-136

METHOD 3520B/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	NA
Batch No.	: 00B049	Date Extracted:	02/11/00 11:00
Sample ID:	MBLK1W	Date Analyzed:	02/14/00 17:23
Lab Samp ID:	SVB008WB	Dilution Factor:	1
Lab File ID:	RBZ282	Matrix :	WATER
Ext Btch ID:	SVB008W	% Moisture :	NA
Calib. Ref.:	RBZ281	Instrument ID :	T048

PARAMETERS	RESULTS (ug/L)	PRL (ug/L)	MDL (ug/L)
1,2,4-TRICHLOROBENZENE	ND	10	.86
1,2-DICHLOROBENZENE	ND	10	.51
1,3-DICHLOROBENZENE	ND	10	.8
1,4-DICHLOROBENZENE	ND	10	1.1
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	10	4.8
2,4,5-TRICHLOROPHENOL	ND	25	2.7
2,4,6-TRICHLOROPHENOL	ND	10	2.6
2,4-DICHLOROPHENOL	ND	10	2.4
2,4-DIMETHYLPHENOL	ND	10	1.4
2,4-DINITROPHENOL	ND	25	4.9
2,4-DINITROTOLUENE	ND	10	2.5
2,6-DINITROTOLUENE	ND	10	1.7
2-CHLORONAPHTHALENE	ND	10	.87
2-CHLOROPHENOL	ND	10	2.2
2-METHYLNAPHTHALENE	ND	10	1
2-METHYLPHENOL	ND	10	1.5
2-NITROANILINE	ND	25	3.1
2-NITROPHENOL	ND	10	3
3,3'-DICHLOROBENZIDINE	ND	10	4.4
3-NITROANILINE	ND	25	1.6
4,6-DINITRO-2-METHYLPHENOL	ND	25	3.2
4-BROMOPHENYL-PHENYLETHER	ND	10	.56
4-CHLORO-3-METHYLPHENOL	ND	10	3.1
4-CHLOROANILINE	ND	10	2.9
4-CHLOROPHENYL-PHENYLETHER	ND	10	2
4-METHYLPHENOL (2)	ND	10	2.2
4-NITROANILINE	ND	25	3.6
4-NITROPHENOL	ND	25	6
ACENAPHTHENE	ND	10	1
ACENAPHTHYLENE	ND	10	.77
ANTHRACENE	ND	10	1
BENZO(A)ANTHRACENE	ND	10	1
BENZO(A)PYRENE	ND	10	1.3
BENZO(B)FLUORANTHENE	ND	10	3.1
BENZO(G,H,I)PERYLENE	ND	10	.52
BENZO(K)FLUORANTHENE	ND	10	3.7
BIS(2-CHLOROETHOXY)METHANE	ND	10	2.1
BIS(2-CHLOROETHYL)ETHER	ND	10	2.6
BIS(2-ETHYLHEXYL)PHTHALATE	14	10	1.5
BUTYLBENZYLPHTHALATE	ND	10	1.7
CHRYSENE	ND	10	1.5
DI-N-BUTYLPHTHALATE	ND	10	2.3
DI-N-OCTYLPHTHALATE	ND	10	.89
DIBENZO(A,H)ANTHRACENE	ND	10	1.4
DIBENZOFURAN	ND	10	.92
DIETHYLPHTHALATE	ND	10	.98
DIMETHYLPHTHALATE	ND	10	1.1
FLUORANTHENE	ND	10	1.2
FLUORENE	ND	10	2.4
HEXACHLOROBENZENE	ND	10	1.2
HEXACHLOROBUTADIENE	ND	10	.84
HEXACHLOROCYCLOPENTADIENE	ND	10	8.9
HEXACHLOROETHANE	ND	10	2
INDENO(1,2,3-CD)PYRENE	ND	10	1.2
N-NITROSO-DI-N-PROPYLAMINE	ND	10	1.3
N-NITROSODIPHENYLAMINE (1)	ND	10	1.6
NAPHTHALENE	ND	10	1.3
NITROBENZENE	ND	10	1.4
PENTACHLOROPHENOL	ND	25	2.9
PHENANTHRENE	ND	10	.66
PHENOL	ND	10	2.4
PYRENE	ND	10	.39

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	54	25-125
PHENOL-D5	53	25-125
NITROBENZENE-D5	64	32-125
2-FLUOROBIPHENYL	57	43-125
2,4,6-TRIBROMOPHENOL	56	25-134
TERPHENYL-D14	79	42-126

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 008049
MET METHOD 3520B/8270B

MATRIX: WATER % MOISTURE: NA

DILUTION FACTOR:	1	1	1
SAMPLE ID:	MBLK1W		
LAB SAMP ID:	SVB008WB	SVB008WL	SVB008WC
LAB FILE ID:	RBZ282	RBZ283	RBZ284
DATE EXTRACTED:	02/11/0011:00	02/11/0011:00	02/11/0011:00
DATE ANALYZED:	02/14/0017:23	02/14/0018:04	02/14/0018:44
PREP. BATCH:	SVB008W	SVB008W	SVB008W
CALIB. REF:	RBZ281	RBZ281	RBZ281

DATE COLLECTED: NA
DATE RECEIVED: NA

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
,2,4-Trichlorobenzene	ND	80	46.5	58	80	53.7	67	14	44-142	20
,4-Dichlorobenzene	ND	80	33.9	42	80	40.6	51	18	30-125	20
,4-Dinitrotoluene	ND	80	60.7	76	80	67.2	84	10	39-139	20
-Chlorophenol	ND	80	44	55	80	51.9	65	17	41-125	20
-Chloro-3-Methylphenol	ND	80	54.9	69	80	63.7	80	15	44-125	20
-Nitrophenol	ND	80	58.1	73	80	65.3	82	12	25-131	20
cenaphthene	ND	80	51.1	64	80	56.6	71	10	49-125	20
-Nitroso-di-n-propyl.	ND	80	52.3	65	80	60.2	75	14	37-125	20
entachlorophenol	ND	80	49.3	62	80	55.7	70	12	28-136	20
henol	ND	80	39.8	50	80	47.3	59	17	25-125	20
yrene	ND	80	63.8	80	80	70.7	88	10	47-136	20

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
-Fluorophenol	150	75	50	150	92.5	62	25-125
henol-d5	150	76.5	51	150	94.3	63	25-125
itrobenzene-d5	100	61.4	61	100	74.8	75	32-125
-Fluorobiphenyl	100	60.6	61	100	70.6	71	43-125
,4,6-Tribromophenol	150	107	71	150	123	82	25-134
erphenyl-d14	100	70.7	71	100	85.3	85	42-126

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2797	Date Analyzed:	02/11/00 15:02
Lab Samp ID:	B049-01	Dilution Factor:	1
Lab File ID:	I07B024012	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	11.3
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	10700	56.4	3.1
Antimony	ND	11.3	3.88
Barium	86	1.13	.0451
Beryllium	.299	.225	.0113
Cadmium	ND	1.13	.225
Calcium	3790	564	4.92
Chromium	19.2	1.13	.44
Cobalt	14.5	1.13	.361
Copper	6.78	1.13	.755
Iron	14500	22.5	2.22
Magnesium	5990	564	4.75
Manganese	213	2.25	.676
Molybdenum	ND	2.25	.947
Nickel	9.44	2.25	.913
Potassium	4080	564	121
Silver	ND	2.25	.474
Sodium	ND	564	22
Vanadium	38.7	1.13	.406
Zinc	42.2	1.13	.406

RL: Reporting Limit

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METHOD 3050B/6010B
METALS BY TRACE-ICP

Cli	: IT CORPORATION	Date Collected:	02/09/00
Pr	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2797	Date Analyzed:	02/11/00 13:42
Lab Samp ID:	B049-01	Dilution Factor:	1
Lab File ID:	I31B023013	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	11.3
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	4.83	1.13	.578
Lead	11.4	1.13	.298
Selenium	ND	1.13	.511
Thallium	ND	1.13	.525

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2798	Date Analyzed:	02/11/00 15:07
Lab Samp ID:	B049-02	Dilution Factor:	1
Lab File ID:	I07B024013	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	13.7
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	14200	57.9	3.19
Antimony	ND	11.6	3.99
Barium	139	1.16	.0463
Beryllium	.496	.232	.0116
Cadmium	ND	1.16	.232
Calcium	4010	579	5.05
Chromium	12	1.16	.452
Cobalt	4.52	1.16	.371
Copper	7.87	1.16	.776
Iron	15500	23.2	2.28
Magnesium	6360	579	4.88
Manganese	270	2.32	.695
Molybdenum	ND	2.32	.973
Nickel	7.83	2.32	.939
Potassium	4820	579	124
Silver	ND	2.32	.487
Sodium	ND	579	22.6
Vanadium	35.5	1.16	.417
Zinc	46	1.16	.417

RL: Reporting Limit

7004

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2798	Date Analyzed:	02/11/00 13:46
Lab Samp ID:	B049-02	Dilution Factor:	1
Lab File ID:	I31B023014	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	13.7
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	2.98	1.16	.594
Lead	2.7	1.16	.306
Selenium	ND	1.16	.525
Thallium	ND	1.16	.54

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

:lient	: IT CORPORATION	Date Collected:	02/09/00
'roject	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
:DG NO.	: 00B049	Date Extracted:	02/10/00 15:30
;ample ID:	18609-2799	Date Analyzed:	02/11/00 15:12
ab Samp ID:	B049-03	Dilution Factor:	1
ab File ID:	I07B024014	Matrix :	SOIL
xt Btch ID:	IPB013S	% Moisture :	20.7
:alib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
luminum	19900	63.1	3.47
ntimony	ND	12.6	4.34
arium	182	1.26	.0504
eryllium	.698	.252	.0126
admium	ND	1.26	.252
alcium	5470	631	5.5
hromium	15.5	1.26	.492
obalt	5.36	1.26	.404
opper	11.7	1.26	.845
ron	20500	25.2	2.48
agnesium	9190	631	5.31
anganese	256	2.52	.757
olybdenum	ND	2.52	1.06
ickel	10.1	2.52	1.02
otassium	6270	631	135
ilver	ND	2.52	.53
odium	ND	631	24.6
anadium	47.5	1.26	.454
inc	63.9	1.26	.454

.: Reporting Limit

Revised Report

7006

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2799	Date Analyzed:	02/11/00 13:50
Lab Samp ID:	B049-03	Dilution Factor:	1
Lab File ID:	I31B023015	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	20.7
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	3.25	1.26	.647
Lead	4.77	1.26	.333
Selenium	ND	1.26	.571
Thallium	ND	1.26	.588

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2800	Date Analyzed:	02/11/00 15:18
Lab Samp ID:	B049-04	Dilution Factor:	1
Lab File ID:	I07B024015	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	17.2
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	18200	60.4	3.32
Antimony	ND	12.1	4.15
Barium	169	1.21	.0483
Beryllium	.635	.242	.0121
Cadmium	ND	1.21	.242
Calcium	5130	604	5.27
Chromium	17.4	1.21	.471
Cobalt	7.64	1.21	.386
Copper	11.3	1.21	.809
Iron	20700	24.2	2.38
Magnesium	8610	604	5.08
Manganese	256	2.42	.725
Molybdenum	ND	2.42	1.01
Nickel	10.2	2.42	.978
Potassium	6320	604	129
Silver	ND	2.42	.507
Sodium	ND	604	23.6
Vanadium	47.4	1.21	.435
Zinc	63.4	1.21	.435

RL: Reporting Limit

7008

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2800	Date Analyzed:	02/11/00 13:53
Lab Samp ID:	B049-04	Dilution Factor:	1
Lab File ID:	I31B023016	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	17.2
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	4.45	1.21	.62
Lead	4.79	1.21	.319
Selenium	ND	1.21	.547
Thallium	ND	1.21	.563

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

:lient	: IT CORPORATION	Date Collected:	02/09/00
'roject	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
;DG NO.	: 00B049	Date Extracted:	02/10/00 15:30
;ample ID:	18609-2801	Date Analyzed:	02/11/00 15:23
ab Samp ID:	B049-05	Dilution Factor:	1
ab File ID:	I07B024016	Matrix :	SOIL
xt Btch ID:	IPB013S	% Moisture :	9.5
alib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
luminum	14500	55.2	3.04
ntimony	ND	11	3.8
arium	134	1.1	.0442
eryllium	.473	.221	.011
admium	ND	1.1	.221
alcium	4470	552	4.82
hromium	16.8	1.1	.431
obalt	5.88	1.1	.354
opper	10.1	1.1	.74
ron	17200	22.1	2.18
agnesium	6950	552	4.65
anganese	248	2.21	.663
olybdenum	ND	2.21	.928
ickel	9.69	2.21	.895
otassium	5020	552	118
ilver	ND	2.21	.464
odium	ND	552	21.5
anadium	42.5	1.1	.398
inc	52.3	1.1	.398

.: Reporting Limit

7010

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Pro	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SD	: 00B049	Date Extracted:	02/10/00 15:30
Sam ID:	18609-2801	Date Analyzed:	02/11/00 13:57
Lab Samp ID:	B049-05	Dilution Factor:	1
Lab File ID:	I31B023017	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	9.5
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	3.81	1.1	.567
Lead	7.25	1.1	.292
Selenium	ND	1.1	.501
Thallium	ND	1.1	.515

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2802	Date Analyzed:	02/11/00 15:28
Lab Samp ID:	B049-06	Dilution Factor:	1
Lab File ID:	I07B024017	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	18.2
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	15700	61.1	3.36
Antimony	ND	12.2	4.21
Barium	144	1.22	.0489
Beryllium	.548	.244	.0122
Cadmium	ND	1.22	.244
Calcium	4730	611	5.33
Chromium	13.6	1.22	.477
Cobalt	4.35	1.22	.391
Copper	10.8	1.22	.819
Iron	16000	24.4	2.41
Magnesium	6840	611	5.15
Manganese	198	2.44	.733
Molybdenum	ND	2.44	1.03
Nickel	7.78	2.44	.99
Potassium	4820	611	131
Silver	ND	2.44	.513
Sodium	ND	611	23.8
Vanadium	39.6	1.22	.44
Zinc	49.6	1.22	.44

RL: Reporting Limit

7012

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2802	Date Analyzed:	02/11/00 14:01
Lab Samp ID:	B049-06	Dilution Factor:	1
Lab File ID:	I31B023018	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	18.2
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	3.14	1.22	.627
Lead	3.13	1.22	.323
Selenium	ND	1.22	.554
Thallium	ND	1.22	.57

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2803	Date Analyzed:	02/11/00 15:33
Lab Samp ID:	B049-07	Dilution Factor:	1
Lab File ID:	I07B024018	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	10.5
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	9600	55.9	3.07
Antimony	ND	11.2	3.84
Barium	109	1.12	.0447
Beryllium	.341	.223	.0112
Cadmium	ND	1.12	.223
Calcium	3270	559	4.87
Chromium	9.7	1.12	.436
Cobalt	3.63	1.12	.358
Copper	6.53	1.12	.749
Iron	11700	22.3	2.2
Magnesium	4540	559	4.7
Manganese	211	2.23	.67
Molybdenum	ND	2.23	.939
Nickel	6.87	2.23	.905
Potassium	3400	559	120
Silver	ND	2.23	.469
Sodium	ND	559	21.8
Vanadium	28.5	1.12	.402
Zinc	36.8	1.12	.402

RL: Reporting Limit

7014

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Proj	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2803	Date Analyzed:	02/11/00 14:04
Lab Samp ID:	B049-07	Dilution Factor:	1
Lab File ID:	I31B023019	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	10.5
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	3.72	1.12	.573
Lead	5.8	1.12	.295
Selenium	ND	1.12	.506
Thallium	ND	1.12	.521

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2804	Date Analyzed:	02/11/00 15:58
Lab Samp ID:	B049-08	Dilution Factor:	1
Lab File ID:	I07B024023	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	10.3
Calib. Ref.:	I07B024019	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	9850	55.7	3.07
Antimony	ND	11.1	3.84
Barium	107	1.11	.0446
Beryllium	.311	.223	.0111
Cadmium	ND	1.11	.223
Calcium	3210	557	4.86
Chromium	12.5	1.11	.435
Cobalt	3.84	1.11	.357
Copper	6.19	1.11	.747
Iron	12500	22.3	2.2
Magnesium	4900	557	4.69
Manganese	188	2.23	.669
Molybdenum	ND	2.23	.936
Nickel	6.72	2.23	.903
Potassium	3560	557	119
Silver	ND	2.23	.468
Sodium	ND	557	21.7
Vanadium	31.1	1.11	.401
Zinc	39.2	1.11	.401

RL: Reporting Limit

7016

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Clie[illegible]	: IT CORPORATION	Date Collected:	02/09/00
Pr[illegible]	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG[illegible]	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2804	Date Analyzed:	02/11/00 15:05
Lab Samp ID:	B049-08	Dilution Factor:	1
Lab File ID:	I31B023033	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	10.3
Calib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
rsenic	3.45	1.11	.572
ead	11.2	1.11	.294
elenium	ND	1.11	.505
hallium	ND	1.11	.52

L: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2805	Date Analyzed:	02/11/00 16:04
Lab Samp ID:	B049-09	Dilution Factor:	1
Lab File ID:	I07B024024	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	15.0
Calib. Ref.:	I07B024019	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	13500	58.8	3.24
Antimony	ND	11.8	4.05
Barium	134	1.18	.0471
Beryllium	.454	.235	.0118
Cadmium	ND	1.18	.235
Calcium	3650	588	5.13
Chromium	11.5	1.18	.459
Cobalt	4.65	1.18	.376
Copper	8.04	1.18	.788
Iron	14800	23.5	2.32
Magnesium	5970	588	4.95
Manganese	268	2.35	.706
Molybdenum	ND	2.35	.988
Nickel	6.88	2.35	.953
Potassium	4560	588	126
Silver	ND	2.35	.494
Sodium	ND	588	22.9
Vanadium	34.7	1.18	.424
Zinc	46.1	1.18	.424

RL: Reporting Limit

7018

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Pro	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2805	Date Analyzed:	02/11/00 15:09
Lab Samp ID:	B049-09	Dilution Factor:	1
Lab File ID:	I31B023034	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	15.0
Calib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
rsenic	3.82	1.18	.604
ead	6.11	1.18	.311
elenium	ND	1.18	.533
hallium	ND	1.18	.548

L: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2806	Date Analyzed:	02/11/00 15:53
Lab Samp ID:	B049-10	Dilution Factor:	1
Lab File ID:	I07B024022	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	14.8
Calib. Ref.:	I07B024019	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	9650	58.7	3.23
Antimony	ND	11.7	4.04
Barium	95.7	1.17	.0469
Beryllium	.316	.235	.0117
Cadmium	ND	1.17	.235
Calcium	4160	587	5.12
Chromium	11.9	1.17	.458
Cobalt	3.46	1.17	.376
Copper	7.73	1.17	.786
Iron	12800	23.5	2.31
Magnesium	4550	587	4.94
Manganese	192	2.35	.704
Molybdenum	ND	2.35	.986
Nickel	7.09	2.35	.951
Potassium	3060	587	126
Silver	ND	2.35	.493
Sodium	ND	587	22.9
Vanadium	30.5	1.17	.423
Zinc	78.1	1.17	.423

RL: Reporting Limit

7020

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Pr	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SD	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2806	Date Analyzed:	02/11/00 15:13
Lab Samp ID:	B049-10	Dilution Factor:	1
Lab File ID:	I31B023035	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	14.8
Calib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	4.19	1.17	.602
Lead	34.5	1.17	.31
Selenium	ND	1.17	.532
Thallium	ND	1.17	.547

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 008049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2807	Date Analyzed:	02/11/00 16:09
Lab Samp ID:	B049-11	Dilution Factor:	1
Lab File ID:	I078024025	Matrix :	SOIL
Ext Btch ID:	IP8013S	% Moisture :	9.7
Calib. Ref.:	I078024019	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	8370	55.4	3.05
Antimony	ND	11.1	3.81
Barium	81.2	1.11	.0443
Beryllium	.301	.221	.0111
Cadmium	ND	1.11	.221
Calcium	2310	554	4.83
Chromium	7.98	1.11	.432
Cobalt	3.08	1.11	.354
Copper	4.84	1.11	.742
Iron	10500	22.1	2.18
Magnesium	3530	554	4.66
Manganese	200	2.21	.664
Molybdenum	ND	2.21	.93
Nickel	3.94	2.21	.897
Potassium	3220	554	118
Silver	ND	2.21	.465
Sodium	ND	554	21.6
Vanadium	26.1	1.11	.399
Zinc	35	1.11	.399

RL: Reporting Limit

7022

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

:lient	: IT CORPORATION	Date Collected:	02/09/00
'rc	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
;DG	: 00B049	Date Extracted:	02/10/00 15:30
;ample ID:	18609-2807	Date Analyzed:	02/11/00 15:16
.ab Samp ID:	B049-11	Dilution Factor:	1
ab File ID:	I31B023036	Matrix :	SOIL
xt Btch ID:	IPB013S	% Moisture :	9.7
alib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
rsenic	2.62	1.11	.568
ead	4.62	1.11	.292
elenium	ND	1.11	.502
hallium	ND	1.11	.516

L: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2808	Date Analyzed:	02/11/00 16:14
Lab Samp ID:	B049-12	Dilution Factor:	1
Lab File ID:	I07B024026	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	10.6
Calib. Ref.:	I07B024019	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	8010	55.9	3.08
Antimony	ND	11.2	3.85
Barium	96.1	1.12	.0447
Beryllium	.278	.224	.0112
Cadmium	ND	1.12	.224
Calcium	3390	559	4.88
Chromium	7.01	1.12	.436
Cobalt	2.16	1.12	.358
Copper	4.66	1.12	.749
Iron	9470	22.4	2.2
Magnesium	3610	559	4.71
Manganese	198	2.24	.671
Molybdenum	ND	2.24	.94
Nickel	4	2.24	.906
Potassium	2710	559	120
Silver	ND	2.24	.47
Sodium	ND	559	21.8
Vanadium	22.4	1.12	.403
Zinc	27.6	1.12	.403

RL: Reporting Limit

Revised Report

7024

METHOD 3050B/6010B
METALS BY TRACE-ICP

:lien	: IT CORPORATION	Date Collected:	02/09/00
'rc	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
;DG	: 00B049	Date Extracted:	02/10/00 15:30
;ample ID:	18609-2808	Date Analyzed:	02/11/00 15:20
.ab Samp ID:	B049-12	Dilution Factor:	1
.ab File ID:	I31B023037	Matrix :	SOIL
.xt Btch ID:	IPB013S	% Moisture :	10.6
:alib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

ARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
rsenic	2	1.12	.574
ead	1.65	1.12	.295
elenium	ND	1.12	.507
hallium	ND	1.12	.521

L: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2809	Date Analyzed:	02/11/00 16:19
Lab Samp ID:	B049-13	Dilution Factor:	1
Lab File ID:	I07B024027	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	15.4
Calib. Ref.:	I07B024019	Instrument ID :	EMAXT107

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	12500	59.1	3.25
Antimony	ND	11.8	4.07
Barium	146	1.18	.0473
Beryllium	.471	.236	.0118
Cadmium	ND	1.18	.236
Calcium	4620	591	5.15
Chromium	11.7	1.18	.461
Cobalt	4.13	1.18	.378
Copper	7.99	1.18	.792
Iron	14700	23.6	2.33
Magnesium	6120	591	4.98
Manganese	245	2.36	.709
Molybdenum	ND	2.36	.993
Nickel	8.18	2.36	.957
Potassium	4060	591	126
Silver	ND	2.36	.496
Sodium	ND	591	23
Vanadium	35.3	1.18	.426
Zinc	45.8	1.18	.426

RL: Reporting Limit

7026

Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	18609-2809	Date Analyzed:	02/11/00 15:24
Lab Samp ID:	B049-13	Dilution Factor:	1
Lab File ID:	I31B023038	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	15.4
Calib. Ref.:	I31B023030	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	3.44	1.18	.606
Lead	3.73	1.18	.312
Selenium	ND	1.18	.535
Thallium	ND	1.18	.551

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/10/00
SDG NO.	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	MBLK1S	Date Analyzed:	02/11/00 14:47
Lab Samp ID:	IPB013SB	Dilution Factor:	1
Lab File ID:	I07B024009	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	NA
Calib. Ref.:	I07B024007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	ND	50	2.75
Antimony	ND	10	3.44
Barium	ND	1	.04
Beryllium	ND	.2	.01
Cadmium	ND	1	.2
Calcium	ND	500	4.36
Chromium	ND	1	.39
Cobalt	ND	1	.32
Copper	ND	1	.67
Iron	ND	20	1.97
Magnesium	ND	500	4.21
Manganese	ND	2	.6
Molybdenum	ND	2	.84
Nickel	ND	2	.81
Potassium	ND	500	107
Silver	ND	2	.42
Sodium	ND	500	19.5
Vanadium	ND	1	.36
Zinc	ND	1	.36

RL: Reporting Limit

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Revised Report

METHOD 3050B/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/10/00
SDG	: 00B049	Date Extracted:	02/10/00 15:30
Sample ID:	MBLK1S	Date Analyzed:	02/11/00 13:31
Lab Samp ID:	IPB013SB	Dilution Factor:	1
Lab File ID:	I31B023010	Matrix :	SOIL
Ext Btch ID:	IPB013S	% Moisture :	NA
Calib. Ref.:	I31B023008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	ND	1	.513
Lead	ND	1	.264
Selenium	ND	1	.453
Thallium	ND	1	.466

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG NO.: 00B049
METHOD: METHOD 3050B/6010B

==========

MATRIX:	SOIL		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	MBLK1S			
CONTROL NO.:	IPB013SB	IPB013SL		
LAB FILE ID:	I07B024009	I07B024010		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	NA
DATIME ANALYZD:	02/11/0014:47	02/11/0014:52	DATE RECEIVED:	02/10/00
PREP. BATCH:	IPB013S	IPB013S		
CALIB. REF:	I07B024007	I07B024007		

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Aluminum	ND	1000	972	97	80-120
Antimony	ND	500	460	92	80-120
Barium	ND	100	103	103	80-120
Beryllium	ND	100	97	97	80-120
Cadmium	ND	100	87.9	88	80-120
Calcium	ND	5000	4500	90	80-120
Chromium	ND	100	94	94	80-120
Cobalt	ND	100	92.3	92	80-120
Copper	ND	100	97.4	97	80-120
Iron	ND	1000	951	95	80-120
Magnesium	ND	5000	4600	92	80-120
Manganese	ND	100	92	92	80-120
Molybdenum	ND	100	94.5	95	80-120
Nickel	ND	100	91.1	91	80-120
Potassium	ND	5000	4930	99	80-120
Silver	ND	100	91.3	91	80-120
Sodium	ND	5000	5120	102	80-120
Vanadium	ND	100	95.9	96	80-120
Zinc	ND	100	92	92	80-120

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Revised Report

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG: 00B049
METHOD: METHOD 3050B/6010B

MATRIX:	SOIL		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	MBLK1S			
CONTROL NO.:	IPB013SB	IPB013SL		
LAB FILE ID:	I31B023010	I31B023011		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	NA
DATIME ANALYZD:	02/11/0013:31	02/11/0013:34	DATE RECEIVED:	02/10/00
PREP. BATCH:	IPB013S	IPB013S		
CALIB. REF:	I31B023008	I31B023008		

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Arsenic	ND	100	94.2	94	80-120
Lead	ND	100	92.8	93	80-120
Selenium	ND	100	96.2	96	80-120
Thallium	ND	100	96.9	97	80-120

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG NO.: 00B049
METHOD: METHOD 3050B/6010B

MATRIX:	SOIL			% MOISTURE:	14.8
DILTN FACTR:	1	1	1		
SAMPLE ID:	18609-2806				
CONTROL NO.:	B049-10	B049-10M	B049-10S		
LAB FILE ID:	I07B024022	I07B024028	I07B024029		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/11/0015:53	02/11/0016:24	02/11/0016:29	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB013S	IPB013S	IPB013S		
CALIB. REF:	I07B024019	I07B024019	I07B024019		

ACCESSION:

PARAMETER	SMPL RSLT mg/kg	SPIKE AMT mg/kg	MS RSLT mg/kg	MS % REC	SPIKE AMT mg/kg	MSD RSLT mg/kg	MSD % REC	RPD %	QC LIMIT %	MAX RPD %
Aluminum	9650	1170	11500	158*	1170	16100	545*	33*	80-120	20
Antimony	ND	587	331	56*	587	276	47*	18	80-120	20
Barium	95.7	117	205	93	117	262	142*	24*	80-120	20
Beryllium	.316	117	107	91	117	106	90	1	80-120	20
Cadmium	ND	117	99.8	85	117	99.4	85	0	80-120	20
Calcium	4160	5870	10500	108	5870	9580	92	9	80-120	20
Chromium	11.9	117	115	88	117	114	87	1	80-120	20
Cobalt	3.46	117	105	87	117	106	87	0	80-120	20
Copper	7.73	117	120	95	117	120	95	0	80-120	20
Iron	12800	1170	12800	-1*	1170	15500	226*	19	80-120	20
Magnesium	4550	5870	9720	88	5870	11300	116	15	80-120	20
Manganese	192	117	282	77*	117	320	109	13	80-120	20
Molybdenum	ND	117	100	85	117	99.5	85	1	80-120	20
Nickel	7.09	117	104	83	117	108	86	3	80-120	20
Potassium	3060	5870	8550	94	5870	9500	110	11	80-120	20
Silver	ND	117	104	89	117	103	88	1	80-120	20
Sodium	ND	5870	5790	99	5870	5780	98	0	80-120	20
Vanadium	30.5	117	135	89	117	142	95	4	80-120	20
Zinc	78.1	117	167	75*	117	158	68*	5	80-120	20

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EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG: 00B049
METHOD: METHOD 3050B/6010B

MATRIX:	SOIL			% MOISTURE:	14.8
DILTN FACTR:	1	1	1		
SAMPLE ID:	18609-2806				
CONTROL NO.:	B049-10	B049-10M	B049-10S		
LAB FILE ID:	I31B023035	I31B023040	I31B023041		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/11/0015:13	02/11/0015:31	02/11/0015:35	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB013S	IPB013S	IPB013S		
CALIB. REF:	I31B023030	I31B023030	I31B023030		

ACCESSION:

PARAMETER	SMPL RSLT mg/kg	SPIKE AMT mg/kg	MS RSLT mg/kg	MS % REC	SPIKE AMT mg/kg	MSD RSLT mg/kg	MSD % REC	RPD %	QC LIMIT %	MAX RPD %
Arsenic	4.19	117	109	89	117	108	88	1	80-120	20
Lead	34.5	117	151	99	117	115	69*	27*	80-120	20
Selenium	ND	117	107	91	117	107	91	0	80-120	20
Thallium	ND	117	110	94	117	109	93	1	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 3050B/6010B

MATRIX: SOIL % MOISTURE: 14.8

DILUTION FACTOR:	1	5
SAMPLE ID:	18609-2806	18609-2806DL
EMAX SAMP ID:	B049-10	B049-10T
LAB FILE ID:	I07B024022	I07B024021
DATE EXTRACTED:	02/10/0015:30	02/10/0015:30
DATE ANALYZED:	02/11/0015:53	02/11/0015:48
PREP. BATCH:	IPB013S	IPB013S
CALIB. REF:	I07B024019	I07B024019

DATE COLLECTED: 02/09/00
DATE RECEIVED: 02/09/00

ACCESSION:

PARAMETER	SMPL RSLT (mg/kg)	SERIAL DIL RSLT (mg/kg)	DIF RSLT %	QC LIMIT (%)
Aluminum	9650	10700	11*	10
Antimony	ND	ND	0	10
Barium	95.7	104	8	10
Beryllium	.316	ND	NA	10
Cadmium	ND	ND	0	10
Calcium	4160	4770	15*	10
Chromium	11.9	13	9	10
Cobalt	3.46	17.3	400*	10
Copper	7.73	7.35	5	10
Iron	12800	14600	14*	10
Magnesium	4550	5160	13*	10
Manganese	192	218	13*	10
Molybdenum	ND	ND	0	10
Nickel	7.09	ND	NA	10
Potassium	3060	ND	NA	10
Silver	ND	ND	0	10
Sodium	ND	ND	0	10
Vanadium	30.5	33.2	9	10
Zinc	78.1	88.2	13*	10

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EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BA[illegible].: 00B049
ME[illegible] METHOD 3050B/6010B

MATRIX:	SOIL		% MOISTURE:	14.8
DILUTION FACTOR:	1	5		
SAMPLE ID:	18609-2806	18609-2806DL		
EMAX SAMP ID:	B049-10	B049-10T		
LAB FILE ID:	I31B023035	I31B023032		
DATE EXTRACTED:	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	02/09/00
DATE ANALYZED:	02/11/0015:13	02/11/0015:02	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB013S	IPB013S		
CALIB. REF:	I31B023030	I31B023030		

ACCESSION:

PARAMETER	SMPL RSLT (mg/kg)	SERIAL DIL RSLT (mg/kg)	DIF RSLT %	QC LIMIT (%)
Arsenic	4.19	ND	NA	10
Lead	34.5	ND	NA	10
Selenium	ND	ND	0	10
Thallium	ND	ND	0	10

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG NO.: 00B049
METHOD: METHOD 3050B/6010B

==========

MATRIX:	SOIL		% MOISTURE:	14.8
DILTN FACTR:	1	1		
SAMPLE ID:	18609-2806			
CONTROL NO.:	B049-10	B049-10A		
LAB FILE ID:	I07B024022	I07B024030		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/11/0015:53	02/11/0016:34	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB013S	IPB013S		
CALIB. REF:	I07B024019	I07B024019		

ACCESSION:

PARAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	AS RSLT (mg/kg)	AS % REC	QC LIMIT (%)
Aluminum	9650	1170	10400	64*	75-125
Antimony	ND	58.7	57.6	98	75-125
Barium	95.7	117	202	90	75-125
Beryllium	.316	117	104	88	75-125
Cadmium	ND	117	97.7	83	75-125
Calcium	4160	5870	9010	83	75-125
Chromium	11.9	117	112	86	75-125
Cobalt	3.46	117	103	85	75-125
Copper	7.73	117	116	92	75-125
Iron	12800	1170	13100	24*	75-125
Magnesium	4550	5870	9580	86	75-125
Manganese	192	117	283	77	75-125
Molybdenum	ND	117	104	89	75-125
Nickel	7.09	117	104	82	75-125
Potassium	3060	5870	8570	94	75-125
Silver	ND	117	100	86	75-125
Sodium	ND	5870	5750	98	75-125
Vanadium	30.5	117	133	88	75-125
Zinc	78.1	117	176	83	75-125

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EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG: 00B049
METHOD: METHOD 3050B/6010B

==========

MATRIX:	SOIL		% MOISTURE:	14.8
DILTN FACTR:	1	1		
SAMPLE ID:	18609-2806			
CONTROL NO.:	B049-10	B049-10A		
LAB FILE ID:	I31B023035	I31B023039		
DATIME EXTRCTD:	02/10/0015:30	02/10/0015:30	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/11/0015:13	02/11/0015:27	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB013S	IPB013S		
CALIB. REF:	I31B023030	I31B023030		

ACCESSION:

PARAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	AS RSLT (mg/kg)	AS % REC	QC LIMIT (%)
Arsenic	4.19	58.7	57.2	90	75-125
Lead	34.5	58.7	85.5	87	75-125
Selenium	ND	58.7	53.8	92	75-125
Thallium	ND	58.7	55.3	94	75-125

METHOD 3010A/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG NO.	: 00B049	Date Extracted:	02/11/00 18:00
Sample ID:	18609-2810	Date Analyzed:	02/15/00 13:26
Lab Samp ID:	B049-14	Dilution Factor:	1
Lab File ID:	I07B025015	Matrix :	WATER
Ext Btch ID:	IPB015W	% Moisture :	NA
Calib. Ref.:	I07B025007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	500	46.3
Antimony	ND	500	27.5
Barium	ND	100	1.02
Beryllium	ND	10	.62
Cadmium	ND	10	4.24
Calcium	ND	5000	91.7
Chromium	ND	50	4.69
Cobalt	ND	50	9.06
Copper	ND	50	2.67
Iron	ND	200	10.5
Magnesium	ND	5000	81.2
Manganese	ND	20	1.49
Molybdenum	ND	100	9.34
Nickel	ND	150	8.9
Potassium	ND	5000	1970
Silver	ND	50	4.49
Sodium	ND	5000	417
Vanadium	ND	100	3.75
Zinc	32.2	20	5.8

RL: Reporting Limit

Revised Report

METHOD 3010A/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	02/09/00
Proj	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/09/00
SDG	: 00B049	Date Extracted:	02/11/00 18:00
Sample ID:	18609-2810	Date Analyzed:	02/15/00 10:47
Lab Samp ID:	B049-14	Dilution Factor:	1
Lab File ID:	I31B027015	Matrix :	WATER
Ext Btch ID:	IPB015W	% Moisture :	NA
Calib. Ref.:	I31B027008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Arsenic	ND	10	4.37
Lead	ND	10	1.42
Selenium	ND	10	4.21
Thallium	ND	400	3.31

RL: Reporting Limit

METHOD 3010A/6010B
METALS BY ICP

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/11/00
SDG NO.	: 00B049	Date Extracted:	02/11/00 18:00
Sample ID:	MBLK1W	Date Analyzed:	02/15/00 12:56
Lab Samp ID:	IPB015WB	Dilution Factor:	1
Lab File ID:	I07B025009	Matrix :	WATER
Ext Btch ID:	IPB015W	% Moisture :	NA
Calib. Ref.:	I07B025007	Instrument ID :	EMAXTI07

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Aluminum	ND	500	46.3
Antimony	ND	500	27.5
Barium	ND	100	1.02
Beryllium	ND	10	.62
Cadmium	ND	10	4.24
Calcium	ND	5000	91.7
Chromium	ND	50	4.69
Cobalt	ND	50	9.06
Copper	ND	50	2.67
Iron	ND	200	10.5
Magnesium	ND	5000	81.2
Manganese	ND	20	1.49
Molybdenum	ND	100	9.34
Nickel	ND	150	8.9
Potassium	ND	5000	1970
Silver	ND	50	4.49
Sodium	ND	5000	417
Vanadium	ND	100	3.75
Zinc	ND	20	5.8

RL: Reporting Limit

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METHOD 3010A/6010B
METALS BY TRACE-ICP

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	02/11/00
SDG	: 008049	Date Extracted:	02/11/00 18:00
Sample ID:	MBLK1W	Date Analyzed:	02/15/00 10:29
Lab Samp ID:	IPB015WB	Dilution Factor:	1
Lab File ID:	I31B027010	Matrix :	WATER
Ext Btch ID:	IPB015W	% Moisture :	NA
Calib. Ref.:	I31B027008	Instrument ID :	EMAXTI31

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
Arsenic	ND	10	4.37
Lead	ND	10	1.42
Selenium	ND	10	4.21
Thallium	ND	400	3.31

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG NO.: 00B049
METHOD: METHOD 3010A/6010B

MATRIX: WATER % MOISTURE: NA

DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	IPB015WB	IPB015WL	IPB015WC		
LAB FILE ID:	I07B025009	I07B025010	I07B025011		
DATIME EXTRCTD:	02/11/0018:00	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	NA
DATIME ANALYZD:	02/15/0012:56	02/15/0013:01	02/15/0013:06	DATE RECEIVED:	02/11/00
PREP. BATCH:	IPB015W	IPB015W	IPB015W		
CALIB. REF:	I07B025007	I07B025007	I07B025007		

ACCESSION:

PARAMETER	BLNK RSLT ug/L	SPIKE AMT ug/L	BS RSLT ug/L	BS % REC	SPIKE AMT ug/L	BSD RSLT ug/L	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
luminum	ND	10000	11500	115	10000	10600	106	8	80-120	20
ntimony	ND	5000	5650	113	5000	5230	105	8	80-120	20
arium	ND	1000	1180	118	1000	1090	109	8	80-120	20
eryllium	ND	1000	1180	118	1000	1090	109	8	80-120	20
admium	ND	1000	1110	111	1000	1030	103	8	80-120	20
alcium	ND	50000	56200	112	50000	52700	105	7	80-120	20
hromium	ND	1000	1150	115	1000	1070	107	7	80-120	20
obalt	ND	1000	1150	115	1000	1070	107	7	80-120	20
opper	ND	1000	1150	115	1000	1060	106	8	80-120	20
ron	ND	10000	11400	114	10000	10600	106	7	80-120	20
agnesium	ND	50000	57600	115	50000	53400	107	8	80-120	20
anganese	ND	1000	1120	112	1000	1040	104	7	80-120	20
olybdenum	ND	1000	1150	115	1000	1090	109	5	80-120	20
ickel	ND	1000	1120	112	1000	1040	104	8	80-120	20
otassium	ND	50000	58600	117	50000	55700	111	5	80-120	20
ilver	ND	1000	1130	113	1000	1050	105	7	80-120	20
odium	ND	50000	60200	120*	50000	56200	112	7	80-120	20
anadium	ND	1000	1160	116	1000	1080	108	7	80-120	20
inc	ND	1000	1150	115	1000	1080	108	7	80-120	20

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EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SD: 00B049
MB: METHOD 3010A/6010B

MATRIX:	WATER			% MOISTURE:	NA
DILTN FACTR:	1	1	1		
SAMPLE ID:	MBLK1W				
CONTROL NO.:	IPB015WB	IPB015WL	IPB015WC		
LAB FILE ID:	I31B027010	I31B027011	I31B027012		
DATIME EXTRCTD:	02/11/0018:00	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	NA
DATIME ANALYZD:	02/15/0010:29	02/15/0010:32	02/15/0010:35	DATE RECEIVED:	02/11/00
PREP. BATCH:	IPB015W	IPB015W	IPB015W		
CALIB. REF:	I31B027008	I31B027008	I31B027008		

ACCESSION:

PARAMETER	BLNK RSLT ug/L	SPIKE AMT ug/L	BS RSLT ug/L	BS % REC	SPIKE AMT ug/L	BSD RSLT ug/L	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
Arsenic	ND	1000	1140	114	1000	1060	106	7	80-120	20
Lead	ND	1000	1100	110	1000	1020	102	7	80-120	20
Selenium	ND	1000	1150	115	1000	1070	107	7	80-120	20
Thallium	ND	1000	1170	117	1000	1090	109	7	80-120	20

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00B049
METHOD: METHOD 3010A/6010B

MATRIX: WATER % MOISTURE: NA
DILUTION FACTOR: 1 5
SAMPLE ID: 18609-2810 18609-2810DL
EMAX SAMP ID: B049-14 B049-14T
LAB FILE ID: I07B025015 I07B025014
DATE EXTRACTED: 02/11/0018:00 02/11/0018:00 DATE COLLECTED: 02/09/00
DATE ANALYZED: 02/15/0013:26 02/15/0013:21 DATE RECEIVED: 02/09/00
PREP. BATCH: IPB015W IPB015W
CALIB. REF: I07B025007 I07B025007

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SERIAL DIL RSLT (ug/L)	DIF RSLT %	QC LIMIT (%)
Aluminum	ND	ND	0	10
Antimony	ND	ND	0	10
Barium	ND	ND	0	10
Beryllium	ND	ND	0	10
Cadmium	ND	ND	0	10
Calcium	ND	ND	0	10
Chromium	ND	ND	0	10
Cobalt	ND	ND	0	10
Copper	ND	ND	0	10
Iron	ND	ND	0	10
Magnesium	ND	ND	0	10
Manganese	ND	ND	0	10
Molybdenum	ND	ND	0	10
Nickel	ND	ND	0	10
Potassium	ND	ND	0	10
Silver	ND	ND	0	10
Sodium	ND	ND	0	10
Vanadium	ND	ND	0	10
Zinc	32.2	ND	NA	10

Revised Report

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BAT : 00B049
ME METHOD 3010A/6010B

ATRIX:	WATER		% MOISTURE:	NA
ILUTION FACTOR:	1	5		
AMPLE ID:	18609-2810	18609-2810DL		
MAX SAMP ID:	B049-14	B049-14T		
AB FILE ID:	I31B027015	I31B027014		
ATE EXTRACTED:	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	02/09/00
ATE ANALYZED:	02/15/0010:47	02/15/0010:43	DATE RECEIVED:	02/09/00
REP. BATCH:	IPB015W	IPB015W		
ALIB. REF:	I31B027008	I31B027008		

CCESSION:

ARAMETER	SMPL RSLT (ug/L)	SERIAL DIL RSLT (ug/L)	DIF RSLT %	QC LIMIT (%)
rsenic	ND	ND	0	10
ead	ND	ND	0	10
elenium	ND	ND	0	10
hallium	ND	ND	0	10

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SDG NO.: 00B049
METHOD: METHOD 3010A/6010B

==========

MATRIX:	WATER		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	18609-2810			
CONTROL NO.:	B049-14	B049-14A		
LAB FILE ID:	I07B025015	I07B025012		
DATIME EXTRCTD:	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/15/0013:26	02/15/0013:11	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB015W	IPB015W		
CALIB. REF:	I07B025007	I07B025007		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Aluminum	ND	10000	9400	94	75-125
Antimony	ND	500	454	91	75-125
Barium	ND	1000	976	98	75-125
Beryllium	ND	1000	962	96	75-125
Cadmium	ND	1000	899	90	75-125
Calcium	ND	50000	45800	92	75-125
Chromium	ND	1000	932	93	75-125
Cobalt	ND	1000	928	93	75-125
Copper	ND	1000	944	94	75-125
Iron	ND	10000	9340	93	75-125
Magnesium	ND	50000	47000	94	75-125
Manganese	ND	1000	908	91	75-125
Molybdenum	ND	1000	945	94	75-125
Nickel	ND	1000	908	91	75-125
Potassium	ND	50000	48700	97	75-125
Silver	ND	1000	899	90	75-125
Sodium	ND	50000	51700	103	75-125
Vanadium	ND	1000	933	93	75-125
Zinc	32.2	1000	956	92	75-125

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Revised Report

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
SD[illegible]: 00B049
M[illegible]: METHOD 3010A/6010B

MATRIX:	WATER		% MOISTURE:	NA
DILTN FACTR:	1	1		
SAMPLE ID:	18609-2810			
CONTROL NO.:	B049-14	B049-14A		
LAB FILE ID:	I31B027015	I31B027017		
DATIME EXTRCTD:	02/11/0018:00	02/11/0018:00	DATE COLLECTED:	02/09/00
DATIME ANALYZD:	02/15/0010:47	02/15/0010:55	DATE RECEIVED:	02/09/00
PREP. BATCH:	IPB015W	IPB015W		
CALIB. REF:	I31B027008	I31B027008		

ACCESSION:

PARAMETER	SMPL RSLT (ug/L)	SPIKE AMT (ug/L)	AS RSLT (ug/L)	AS % REC	QC LIMIT (%)
Arsenic	ND	500	512	102	75-125
Lead	ND	500	492	98	75-125
Selenium	ND	500	512	102	75-125
Thallium	ND	500	524	105	75-125

METHOD 7471A
MERCURY BY COLD VAPOR

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : SOIL
Instrument ID : TI023

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/kg)	DLF	MOIST	RL (mg/kg)	MDL (mg/kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	HGB015SB	ND	1	NA	.1	.028	02/11/0015:02	02/11/0012:00	M00B021008	M00B021006	HGB015S	NA	02/11/00
LCS1S	HGB015SL	.820	1	NA	.1	.028	02/11/0015:03	02/11/0012:00	M00B021009	M00B021006	HGB015S	NA	02/11/00
LCD1S	HGB015SC	.806	1	NA	.1	.028	02/11/0015:04	02/11/0012:00	M00B021010	M00B021006	HGB015S	NA	02/11/00
18609-2797	B049-01	ND	1	11.3	.113	.0316	02/11/0015:06	02/11/0012:00	M00B021011	M00B021006	HGB015S	02/09/00	02/09/00
18609-2797MS	B049-01M	.871	1	11.3	.113	.0316	02/11/0015:07	02/11/0012:00	M00B021012	M00B021006	HGB015S	02/09/00	02/09/00
18609-2797MSD	B049-01S	.890	1	11.3	.113	.0316	02/11/0015:09	02/11/0012:00	M00B021013	M00B021006	HGB015S	02/09/00	02/09/00
18609-2797DL	B049-01T	ND	5	11.3	.564	.158	02/11/0015:11	02/11/0012:00	M00B021014	M00B021006	HGB015S	02/09/00	02/09/00
18609-2797AS	B049-01A	.385	1	11.3	.113	.0316	02/11/0015:13	02/11/0012:00	M00B021015	M00B021006	HGB015S	02/09/00	02/09/00
18609-2798	B049-02	ND	1	13.7	.116	.0324	02/11/0015:14	02/11/0012:00	M00B021016	M00B021006	HGB015S	02/09/00	02/09/00
18609-2799	B049-03	ND	1	20.7	.126	.0353	02/11/0015:16	02/11/0012:00	M00B021017	M00B021006	HGB015S	02/09/00	02/09/00
18609-2800	B049-04	ND	1	17.2	.121	.0338	02/11/0015:21	02/11/0012:00	M00B021020	M00B021018	HGB015S	02/09/00	02/09/00
18609-2801	B049-05	ND	1	9.5	.11	.0309	02/11/0015:23	02/11/0012:00	M00B021021	M00B021018	HGB015S	02/09/00	02/09/00
18609-2802	B049-06	ND	1	18.2	.122	.0342	02/11/0015:26	02/11/0012:00	M00B021022	M00B021018	HGB015S	02/09/00	02/09/00
18609-2803	B049-07	ND	1	10.5	.112	.0313	02/11/0015:27	02/11/0012:00	M00B021023	M00B021018	HGB015S	02/09/00	02/09/00
18609-2804	B049-08	ND	1	10.3	.111	.0312	02/11/0015:28	02/11/0012:00	M00B021024	M00B021018	HGB015S	02/09/00	02/09/00
18609-2805	B049-09	ND	1	15.0	.118	.0329	02/11/0015:30	02/11/0012:00	M00B021025	M00B021018	HGB015S	02/09/00	02/09/00
18609-2806	B049-10	ND	1	14.8	.117	.0329	02/11/0015:31	02/11/0012:00	M00B021026	M00B021018	HGB015S	02/09/00	02/09/00
18609-2807	B049-11	ND	1	9.7	.111	.031	02/11/0015:33	02/11/0012:00	M00B021027	M00B021018	HGB015S	02/09/00	02/09/00
18609-2808	B049-12	ND	1	10.6	.112	.0313	02/11/0015:35	02/11/0012:00	M00B021028	M00B021018	HGB015S	02/09/00	02/09/00
18609-2809	B049-13	ND	1	15.4	.118	.0331	02/11/0015:36	02/11/0012:00	M00B021029	M00B021018	HGB015S	02/09/00	02/09/00

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

LIENT: IT CORPORATION
ROJECT: MCAS EL TORO/18609/D.O. 70
DG NO.: 00B049
ETHOD: METHOD 7471A

ATRIX:	SOIL			% MOISTURE:	11.3
ILTN FACTR:	1	1	1		
AMPLE ID:	18609-2797				
ONTROL NO.:	B049-01	B049-01M	B049-01S		
AB FILE ID:	M00B021011	M00B021012	M00B021013		
ATIME EXTRCTD:	02/11/0012:00	02/11/0012:00	02/11/0012:00	DATE COLLECTED:	02/09/00
ATIME ANALYZD:	02/11/0015:06	02/11/0015:07	02/11/0015:09	DATE RECEIVED:	02/09/00
REP. BATCH:	HGB015S	HGB015S	HGB015S		
ALIB. REF:	M00B021006	M00B021006	M00B021006		

CCESSION:

ARAMETER	SMPL RSLT mg/kg	SPIKE AMT mg/kg	MS RSLT mg/kg	MS % REC	SPIKE AMT mg/kg	MSD RSLT mg/kg	MSD % REC	RPD %	QC LIMIT %	MAX RPD %
ercury	ND	.893	.871	98	.862	.890	103	6	77-120	25

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: IT CORPORATION
OJECT: MCAS EL TORO/18609/D.O. 70
G NO.: 00B049
THOD: METHOD 7471A

TRIX:	SOIL			% MOISTURE:	NA
LTN FACTR:	1	1	1		
MPLE ID:	MBLK1S				
NTROL NO.:	HGB015SB	HGB015SL	HGB015SC		
B FILE ID:	M00B021008	M00B021009	M00B021010		
TIME EXTRCTD:	02/11/0012:00	02/11/0012:00	02/11/0012:00	DATE COLLECTED:	NA
TIME ANALYZD:	02/11/0015:02	02/11/0015:03	02/11/0015:04	DATE RECEIVED:	02/11/00
EP. BATCH:	HGB015S	HGB015S	HGB015S		
LIB. REF:	M00B021006	M00B021006	M00B021006		

CESSION:

RAMETER	BLNK RSLT mg/kg	SPIKE AMT mg/kg	BS RSLT mg/kg	BS % REC	SPIKE AMT mg/kg	BSD RSLT mg/kg	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
rcury	ND	.820	.828	101	.820	.807	98	3	77-120	25

7169

EMAX QUALITY CONTROL DATA
SERIAL DILUTION ANALYSIS

.IENT: IT CORPORATION
ROJECT: MCAS EL TORO/18609/D.O. 70
ATCH NO.: 00B049
ETHOD: METHOD 7471A

==========

ATRIX: SOIL % MOISTURE: 11.3

ILUTION FACTOR:	1	5		
AMPLE ID:	18609-2797	18609-2797DL		
AX SAMP ID:	B049-01	B049-01T		
AB FILE ID:	M00B021011	M00B021014		
ATE EXTRACTED:	02/11/0012:00	02/11/0012:00	DATE COLLECTED:	02/09/00
ATE ANALYZED:	02/11/0015:06	02/11/0015:11	DATE RECEIVED:	02/09/00
REP. BATCH:	HGB015S	HGB015S		
ALIB. REF:	M00B021006	M00B021006		

CCESSION:

ARAMETER	SMPL RSLT (mg/kg)	SERIAL DIL RSLT (mg/kg)	DIF RSLT %	QC LIMIT (%)
ercury	ND	ND	0	10

0111

EMAX QUALITY CONTROL DATA
ANALYTICAL SPIKE ANALYSIS

.IENT: IT CORPORATION
:OJECT: MCAS EL TORO/18609/D.O. 70
'G NO.: 00B049
:THOD: METHOD 7471A

==========

\TRIX: SOIL % MOISTURE: 11.3
LTN FACTR: 1 1
\MPLE ID: 18609-2797
)NTROL NO.: B049-01 B049-01A
\B FILE ID: M00B021011 M00B021015
\TIME EXTRCTD: 02/11/0012:00 02/11/0012:00 DATE COLLECTED: 02/09/00
\TIME ANALYZD: 02/11/0015:06 02/11/0015:13 DATE RECEIVED: 02/09/00
:EP. BATCH: HGB015S HGB015S
\LIB. REF: M00B021006 M00B021006

:CESSION:

\RAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	AS RSLT (mg/kg)	AS % REC	QC LIMIT (%)
:rcury	ND	.364	.385	106	85-115

7171

METHOD 7470A
MERCURY BY COLD VAPOR

Client : IT CORPORATION
Project : MCAS EL TORO/18609/D.O. 70
Batch No. : 00B049

Matrix : WATER
Instrument ID : TI023

SAMPLE ID	EMAX SAMPLE ID	RESULTS (ug/L)	DLF	MOIST	RL (ug/L)	MDL (ug/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	HGB014WB	ND	1	NA	.2	.179	02/11/0010:38	02/11/0010:15	M00B020008	M00B020006	HGB014W	NA	02/11/00
LCS1W	HGB014WL	4.98	1	NA	.2	.179	02/11/0010:41	02/11/0010:15	M00B020009	M00B020006	HGB014W	NA	02/11/00
LCD1W	HGB014WC	4.86	1	NA	.2	.179	02/11/0010:42	02/11/0010:15	M00B020010	M00B020006	HGB014W	NA	02/11/00
18609-2810	B049-14	ND	1	NA	.2	.179	02/11/0010:45	02/11/0010:15	M00B020012	M00B020006	HGB014W	02/09/00	02/09/00

RL: Reporting Limit

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

IENT: IT CORPORATION
OJECT: MCAS EL TORO/18609/D.O. 70
G NO.: 00B049
THOD: METHOD 7470A

TRIX:	WATER			% MOISTURE:	NA
LTN FACTR:	1	1	1		
MPLE ID:	MBLK1W				
NTROL NO.:	HGB014WB	HGB014WL	HGB014WC		
B FILE ID:	M00B020008	M00B020009	M00B020010		
TIME EXTRCTD:	02/11/0010:15	02/11/0010:15	02/11/0010:15	DATE COLLECTED:	NA
TIME ANALYZD:	02/11/0010:38	02/11/0010:41	02/11/0010:42	DATE RECEIVED:	02/11/00
EP. BATCH:	HGB014W	HGB014W	HGB014W		
LIB. REF:	M00B020006	M00B020006	M00B020006		

CESSION:

RAMETER	BLNK RSLT ug/L	SPIKE AMT ug/L	BS RSLT ug/L	BS % REC	SPIKE AMT ug/L	BSD RSLT ug/L	BSD % REC	RPD %	QC LIMIT %	MAX RPD %
rcury	ND	5	4.98	100	5	4.86	97	2	77-120	15

1173

the IT group

IT Corporation
2790 Mosside Blvd.
Monroeville, PA 15146-2792
(412)372-7701

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

A 10831

FORM 0019 REV. 9-99

TAA RESAMPLE 297 per DR 4/19/00

IT'S LAB COORDINATOR: M CONCEPTION	LAB COORDINATOR'S PHONE: 949-660-7550	LAB COORDINATOR'S FAX: 949-475-5433	LABORATORY SERVICE ID: 00D030	LABORATORY CONTACT: E-MAX	MAIL REPORT (COMPANY NAME): IT GROUP
PROJECT NAME: EL TORO RD	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 913609	LABORATORY PHONE: 818-848-3851	LABORATORY FAX:	RECIPIENT NAME: D DHIRA
PROJECT CONTACT: M CONCEPTION	PROJECT PHONE NUMBER: 949-451-1667	PROJECT FAX: 949-475-5433	LABORATORY ADDRESS: 630 MALE		ADDRESS: 3347 MICHELSON #1000
PROJECT ADDRESS:	CITY, STATE AND ZIP CODE:	CLIENT: SW DIV	CITY, STATE AND ZIP CODE: TORRANCE CA		CITY, STATE AND ZIP CODE: IRVINE CA 92612
PROJECT MANAGER: B SEDLAK	PROJECT MANAGER'S PHONE: 949-660-5446	PROJECT MANAGER'S FAX:			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8270 SIM								Comments
1	13609 1 2939	S	4/6/00	910	4°C	1	3	5 Day	X								☆ ONLY ANALYZE IF
2	13609 2939			925						☆							~~8270 SIM IS REQ'D~~
3	13609 2940			945													IN PREVIOUS SAMPLE
4	13609 2941			1000						☆							hit needs sims
5	13609 2942			1010													hit ~~needs sims~~
6	13609 2943			1035						☆							needs sims
7	13609 2944			1055													
8	13609 2945			1110						☆							hit
9	13609 2946			1125													ND
10	13609 2947			1145						☆							

SAMPLES COLLECTED BY: McMATHS

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		4/6/00	2000	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Manilla - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

TAA RESAMPLE 297

Sample Point Location	G	C	F	QC
SB-01A 18" 1.5'	X			
SB-01A 36" 3.0'	X			
SB-02A 18" 1.5'	X			
SB-02A 36" 3.0'	X			
SB-03A 18" 1.5'	X			
SB-03A 36" 3.0'	X			
SB-04A 18" 1.5'	X			
SB-04A 36" 3.0	X			
SB-05A 18" 1.5'	X			
SB-05A 36" 3.0				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

AC

4931 | 3930 | 4930 SVM

the group

IT Corporation
2790 Mosside Blvd.
Monroeville, PA 15146-2792
(412)372-7701

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

A 10830

TAA RESAMPLE 297 per DR 4/19/00

FORM 0019 REV. 9-99

IT'S LAB COORDINATOR: M CONCEPTION	LAB COORDINATOR'S PHONE: 944-660-7550	LAB COORDINATOR'S FAX: 944-660-5432	LABORATORY SERVICE ID: 00D030	LABORATORY CONTACT: E MAX	MAIL REPORT (COMPANY NAME): IT Corp
PROJECT NAME: EL TORO RD	PROJECT LOCATION: MCAS EL TORO	PROJECT NUMBER: 918609	LABORATORY PHONE: 713-613-3888	LABORATORY FAX	RECIPIENT NAME: D Ishipi
PROJECT CONTACT: M CONCEPTION	PROJECT PHONE NUMBER: 944-451-1667	PROJECT FAX: 944-660-5432	LABORATORY ADDRESS: 600 MARK		ADDRESS: 3347 MICHELSON DRIVE
PROJECT ADDRESS	CITY, STATE AND ZIP CODE	CLIENT: S.W. DIV	CITY, STATE AND ZIP CODE: PENSACOLA		CITY, STATE AND ZIP CODE: IRVINE CA 92612
PROJECT MANAGER: K. EDLAK	PROJECT MANAGER'S PHONE: 944-660-5444	PROJECT MANAGER'S FAX			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8270 SIM							Comments
1	918609 - 2448	S	4/6/00	1200	4°C	1	3	5 Day	X							ONLY ANALYZE IF ND SIM IS DETECTED IN PREVIOS SAMPLE
2	918609 - 2447	S	"	1245	"	1	3	5 Day	X							
3																
4																
5																
6																
7																
8																
9																
10																

SAMPLES COLLECTED BY: M MATOS

COURIER AND AIR BILL NUMBER: COURIER

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		4/6/00	200	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Manilla - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

297
TAA RESAMPLE

Sample Point Location	G	C	F	QC
SB-06A 18" 1.5'	X			
SB-06A 36" 3.0	X			

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

4931 / 3930 / 4470 SIM

EMAX
LABORATORIES, INC.
630 Maple Ave.
Torrance, CA 90503
Telephone: (310) 618-8889
Fax: (310) 618-0818

Date: 04-18-2000
EMAX Batch No.: 00D030

Attn: Dwayne Ishida

IT Corporation
3347 Michelson Dr. # 200
Irvine CA 92612

Subject: Laboratory Report
Project: MCAS El Toro/18609/D.O. 70

Enclosed is the Laboratory report for samples received on 04/06/00. The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
18609-2938	D030-01	04/06/00	Soil	SIM Semi Volatile Organics
				Semi Volatile Organics by GC/MS
18609-2939	D030-02	04/06/00	Soil	Semi Volatile Organics by GC/MS
18609-2940	D030-03	04/06/00	Soil	Semi Volatile Organics by GC/MS
				SIM Semi Volatile Organics
18609-2941	D030-04	04/06/00	Soil	Semi Volatile Organics by GC/MS
18609-2942	D030-05	04/06/00	Soil	Semi Volatile Organics by GC/MS
				SIM Semi Volatile Organics
18609-2943	D030-06	04/06/00	Soil	Semi Volatile Organics by GC/MS
18609-2944	D030-07	04/06/00	Soil	Semi Volatile Organics by GC/MS
				SIM Semi Volatile Organics
18609-2945	D030-08	04/06/00	Soil	Semi Volatile Organics by GC/MS
18609-2946	D030-09	04/06/00	Soil	Semi Volatile Organics by GC/MS
				SIM Semi Volatile Organics
18609-2947	D030-10	04/06/00	Soil	Semi Volatile Organics by GC/MS
18609-2948	D030-11	04/06/00	Soil	SIM Semi Volatile Organics
				Semi Volatile Organics by GC/MS
18609-2949	D030-12	04/06/00	Soil	Semi Volatile Organics by GC/MS

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

5169B

EMAX
LABORATORIES, INC.
630 Maple Ave.
Torrance, CA 90503
Telephone: (310) 618-8889
Fax: (310) 618-0818

Date: 04-28-2000
EMAX Batch No.: 00D030A

Attn: Dwayne Ishida

IT Corporation
3347 Michelson Dr. # 200
Irvine CA 92612

Subject: Laboratory Report
Project: MCAS El Toro/18609/D.O. 70

Enclosed is the Laboratory report for samples received on 04/06/00 and requested on 04/21/00. The data reported include :

Sample ID	Control #	Col Date	Matrix	Analysis
18609-2941	D030-04	04/06/00	Soil	SIM Semi Volatile Organics
18609-2943	D030-06	04/06/00	Soil	SIM Semi Volatile Organics
18609-2945	D030-08	04/06/00	Soil	SIM Semi Volatile Organics

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Kam Y. Pang, Ph.D.
Laboratory Director

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2938	Date Analyzed:	04/11/00 10:25
Lab Samp ID:	D030-01	Dilution Factor:	1
File ID:	RDB071	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 11.5
Calib. Ref.:	RDB060	Instrument ID	: T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	370	180
1,2-DICHLOROBENZENE	ND	370	150
1,3-DICHLOROBENZENE	ND	370	150
1,4-DICHLOROBENZENE	ND	370	160
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	370	210
2,4,5-TRICHLOROPHENOL	ND	940	160
2,4,6-TRICHLOROPHENOL	ND	370	180
2,4-DICHLOROPHENOL	ND	370	200
2,4-DIMETHYLPHENOL	ND	370	200
2,4-DINITROPHENOL	ND	940	170
2,4-DINITROTOLUENE	ND	370	200
2,6-DINITROTOLUENE	ND	370	200
2-CHLORONAPHTHALENE	ND	370	200
2-CHLOROPHENOL	ND	370	160
2-METHYLNAPHTHALENE	ND	370	230
2-METHYLPHENOL	ND	370	180
2-NITROANILINE	ND	940	210
2-NITROPHENOL	ND	370	200
3,3'-DICHLOROBENZIDINE	ND	370	220
3-NITROANILINE	ND	940	200
4,6-DINITRO-2-METHYLPHENOL	ND	940	190
4-BROMOPHENYL-PHENYLETHER	ND	370	210
4-CHLORO-3-METHYLPHENOL	ND	370	200
4-CHLOROANILINE	ND	370	150
4-CHLOROPHENYL-PHENYLETHER	ND	370	200
4-METHYLPHENOL (2)	ND	370	190
4-NITROANILINE	ND	940	140
4-NITROPHENOL	ND	940	240
ACENAPHTHENE	ND	370	200
ACENAPHTHYLENE	ND	370	200
ANTHRACENE	ND	370	170
BENZO(A)ANTHRACENE	ND	370	160
BENZO(A)PYRENE	ND	280	190
BENZO(B)FLUORANTHENE	ND	370	230
BENZO(G,H,I)PERYLENE	ND	370	150
BENZO(K)FLUORANTHENE	ND	370	150
BIS(2-CHLOROETHOXY)METHANE	ND	370	200
BIS(2-CHLOROETHYL)ETHER	ND	370	190
BIS(2-ETHYLHEXYL)PHTHALATE	ND	370	190
BUTYLBENZYLPHTHALATE	ND	370	210
CHRYSENE	ND	370	190
DI-N-BUTYLPHTHALATE	ND	370	160
DI-N-OCTYLPHTHALATE	ND	370	240
DIBENZO(A,H)ANTHRACENE	ND	280	130
DIBENZOFURAN	ND	370	190
DIETHYLPHTHALATE	ND	370	190
DIMETHYLPHTHALATE	ND	370	180
FLUORANTHENE	ND	370	170
FLUORENE	ND	370	190
HEXACHLOROBENZENE	ND	370	200
HEXACHLOROBUTADIENE	ND	370	170
HEXACHLOROCYCLOPENTADIENE	ND	370	210
HEXACHLOROETHANE	ND	370	180
INDENO(1,2,3-CD)PYRENE	ND	370	130
N-NITROSO-DI-N-PROPYLAMINE	ND	280	210
N-NITROSODIPHENYLAMINE (1)	ND	370	190
NAPHTHALENE	ND	370	190
NITROBENZENE	ND	370	210
PENTACHLOROPHENOL	ND	940	210
PHENANTHRENE	ND	370	180
PHENOL	ND	370	160
PYRENE	ND	370	190

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	43	25-135
PHENOL-D5	55	25-135
NITROBENZENE-D5	55	25-135
2-FLUOROBIPHENYL	59	34-135
2,4,6-TRIBROMOPHENOL	65	25-144
TERPHENYL-D14	74	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 000030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2939	Date Analyzed:	04/11/00 12:01
Lab Samp ID:	D030-02	Dilution Factor:	1
Lab File ID:	RDB072	Matrix	: SOIL
Ext Btch ID:	SVD010S	% Moisture	: 14.5
Calib. Ref.:	RDB060	Instrument ID	: T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	390	180
1,2-DICHLOROBENZENE	ND	390	150
1,3-DICHLOROBENZENE	ND	390	150
1,4-DICHLOROBENZENE	ND	390	160
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	390	210
2,4,5-TRICHLOROPHENOL	ND	970	170
2,4,6-TRICHLOROPHENOL	ND	390	190
2,4-DICHLOROPHENOL	ND	390	210
2,4-DIMETHYLPHENOL	ND	390	210
2,4-DINITROPHENOL	ND	970	180
2,4-DINITROTOLUENE	ND	390	210
2,6-DINITROTOLUENE	ND	390	200
2-CHLORONAPHTHALENE	ND	390	210
2-CHLOROPHENOL	ND	390	160
2-METHYLNAPHTHALENE	ND	390	240
2-METHYLPHENOL	ND	390	190
2-NITROANILINE	ND	970	220
2-NITROPHENOL	ND	390	210
3,3'-DICHLOROBENZIDINE	ND	390	220
3-NITROANILINE	ND	970	210
4,6-DINITRO-2-METHYLPHENOL	ND	970	190
4-BROMOPHENYL-PHENYLETHER	ND	390	220
4-CHLORO-3-METHYLPHENOL	ND	390	210
4-CHLOROANILINE	ND	390	150
4-CHLOROPHENYL-PHENYLETHER	ND	390	210
4-METHYLPHENOL (2)	ND	390	200
4-NITROANILINE	ND	970	140
4-NITROPHENOL	ND	970	250
ACENAPHTHENE	ND	390	210
ACENAPHTHYLENE	ND	390	200
ANTHRACENE	ND	390	170
BENZO(A)ANTHRACENE	ND	390	170
BENZO(A)PYRENE	ND	290	190
BENZO(B)FLUORANTHENE	ND	390	240
BENZO(G,H,I)PERYLENE	ND	390	150
BENZO(K)FLUORANTHENE	ND	390	160
BIS(2-CHLOROETHOXY)METHANE	ND	390	210
BIS(2-CHLOROETHYL)ETHER	ND	390	190
BIS(2-ETHYLHEXYL)PHTHALATE	ND	390	200
BUTYLBENZYLPHTHALATE	ND	390	210
CHRYSENE	ND	390	190
DI-N-BUTYLPHTHALATE	180J	390	170
DI-N-OCTYLPHTHALATE	ND	390	250
DIBENZO(A,H)ANTHRACENE	ND	290	130
DIBENZOFURAN	ND	390	200
DIETHYLPHTHALATE	ND	390	190
DIMETHYLPHTHALATE	ND	390	180
FLUORANTHENE	ND	390	170
FLUORENE	ND	390	190
HEXACHLOROBENZENE	ND	390	210
HEXACHLOROBUTADIENE	ND	390	180
HEXACHLOROCYCLOPENTADIENE	ND	390	220
HEXACHLOROETHANE	ND	390	190
INDENO(1,2,3-CD)PYRENE	ND	390	130
N-NITROSO-DI-N-PROPYLAMINE	ND	290	220
N-NITROSODIPHENYLAMINE (1)	ND	390	190
NAPHTHALENE	ND	390	190
NITROBENZENE	ND	390	220
PENTACHLOROPHENOL	ND	970	220
PHENANTHRENE	ND	390	190
PHENOL	ND	390	160
PYRENE	ND	390	200

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	50	25-135
PHENOL-D5	60	25-135
NITROBENZENE-D5	63	25-135
2-FLUOROBIPHENYL	63	34-135
2,4,6-TRIBROMOPHENOL	72	25-144
TERPHENYL-D14	77	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2940	Date Analyzed:	04/13/00 20:33
Lab Sample ID:	D030-03	Dilution Factor:	2
File ID:	RDX194	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 19.2
Calib. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	820	390
1,2-DICHLOROBENZENE	ND	820	330
1,3-DICHLOROBENZENE	ND	820	320
1,4-DICHLOROBENZENE	ND	820	350
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	820	450
2,4,5-TRICHLOROPHENOL	ND	2100	350
2,4,6-TRICHLOROPHENOL	ND	820	400
2,4-DICHLOROPHENOL	ND	820	440
2,4-DIMETHYLPHENOL	ND	820	440
2,4-DINITROPHENOL	ND	2100	370
2,4-DINITROTOLUENE	ND	820	440
2,6-DINITROTOLUENE	ND	820	430
2-CHLORONAPHTHALENE	ND	820	450
2-CHLOROPHENOL	ND	820	340
2-METHYLNAPHTHALENE	22000E	820	500
2-METHYLPHENOL	ND	820	400
2-NITROANILINE	ND	2100	460
2-NITROPHENOL	ND	820	440
3,3'-DICHLOROBENZIDINE	ND	820	480
3-NITROANILINE	ND	2100	440
4,6-DINITRO-2-METHYLPHENOL	ND	2100	410
4-BROMOPHENYL-PHENYLETHER	ND	820	470
4-CHLORO-3-METHYLPHENOL	ND	820	440
4-CHLOROANILINE	ND	820	320
4-CHLOROPHENYL-PHENYLETHER	ND	820	450
4-METHYLPHENOL (2)	ND	820	410
4-NITROANILINE	ND	2100	300
4-NITROPHENOL	ND	2100	530
ACENAPHTHENE	ND	820	450
ACENAPHTHYLENE	ND	820	430
ANTHRACENE	ND	820	370
BENZO(A)ANTHRACENE	ND	820	350
BENZO(A)PYRENE	ND	620	410
BENZO(B)FLUORANTHENE	ND	820	500
BENZO(G,H,I)PERYLENE	ND	820	320
BENZO(K)FLUORANTHENE	ND	820	330
BIS(2-CHLOROETHOXY)METHANE	ND	820	450
BIS(2-CHLOROETHYL)ETHER	ND	820	410
BIS(2-ETHYLHEXYL)PHTHALATE	ND	820	420
BUTYLBENZYLPHTHALATE	ND	820	450
CHRYSENE	ND	820	410
DI-N-BUTYLPHTHALATE	ND	820	360
DI-N-OCTYLPHTHALATE	ND	820	520
DIBENZO(A,H)ANTHRACENE	ND	620	280
DIBENZOFURAN	ND	820	430
DIETHYLPHTHALATE	ND	820	410
DIMETHYLPHTHALATE	ND	820	390
FLUORANTHENE	ND	820	370
FLUORENE	ND	820	410
HEXACHLOROBENZENE	ND	820	440
HEXACHLOROBUTADIENE	ND	820	370
HEXACHLOROCYCLOPENTADIENE	ND	820	460
HEXACHLOROETHANE	ND	820	400
INDENO(1,2,3-CD)PYRENE	ND	820	270
N-NITROSO-DI-N-PROPYLAMINE	ND	620	470
N-NITROSODIPHENYLAMINE (1)	ND	820	410
NAPHTHALENE	9100	820	410
NITROBENZENE	ND	820	460
PENTACHLOROPHENOL	ND	2100	460
PHENANTHRENE	ND	820	400
PHENOL	ND	820	340
PYRENE	ND	820	410

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	45	25-135
PHENOL-D5	57	25-135
NITROBENZENE-D5	74	25-135
2-FLUOROBIPHENYL	70	34-135
2,4,6-TRIBROMOPHENOL	87	25-144
TERPHENYL-D14	113	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2940DL	Date Analyzed:	04/14/00 16:41
Lab Samp ID:	D030-03T	Dilution Factor:	10
Lab File ID:	RDX207	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	19.2
Calib. Ref.:	RDX206	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	4100	2000
1,2-DICHLOROBENZENE	ND	4100	1600
1,3-DICHLOROBENZENE	ND	4100	1600
1,4-DICHLOROBENZENE	ND	4100	1700
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	4100	2300
2,4,5-TRICHLOROPHENOL	ND	10000	1800
2,4,6-TRICHLOROPHENOL	ND	4100	2000
2,4-DICHLOROPHENOL	ND	4100	2200
2,4-DIMETHYLPHENOL	ND	4100	2200
2,4-DINITROPHENOL	ND	10000	1900
2,4-DINITROTOLUENE	ND	4100	2200
2,6-DINITROTOLUENE	ND	4100	2100
2-CHLORONAPHTHALENE	ND	4100	2200
2-CHLOROPHENOL	ND	4100	1700
2-METHYLNAPHTHALENE	24000D	4100	2500
2-METHYLPHENOL	ND	4100	2000
2-NITROANILINE	ND	10000	2300
2-NITROPHENOL	ND	4100	2200
3,3'-DICHLOROBENZIDINE	ND	4100	2400
3-NITROANILINE	ND	10000	2200
4,6-DINITRO-2-METHYLPHENOL	ND	10000	2100
4-BROMOPHENYL-PHENYLETHER	ND	4100	2400
4-CHLORO-3-METHYLPHENOL	ND	4100	2200
4-CHLOROANILINE	ND	4100	1600
4-CHLOROPHENYL-PHENYLETHER	ND	4100	2200
4-METHYLPHENOL (2)	ND	4100	2100
4-NITROANILINE	ND	10000	1500
4-NITROPHENOL	ND	10000	2700
ACENAPHTHENE	ND	4100	2200
ACENAPHTHYLENE	ND	4100	2200
ANTHRACENE	ND	4100	1800
BENZO(A)ANTHRACENE	ND	4100	1800
BENZO(A)PYRENE	ND	3100	2100
BENZO(B)FLUORANTHENE	ND	4100	2500
BENZO(G,H,I)PERYLENE	ND	4100	1600
BENZO(K)FLUORANTHENE	ND	4100	1700
BIS(2-CHLOROETHOXY)METHANE	ND	4100	2200
BIS(2-CHLOROETHYL)ETHER	ND	4100	2000
BIS(2-ETHYLHEXYL)PHTHALATE	ND	4100	2100
BUTYLBENZYLPHTHALATE	ND	4100	2300
CHRYSENE	ND	4100	2000
DI-N-BUTYLPHTHALATE	ND	4100	1800
DI-N-OCTYLPHTHALATE	ND	4100	2600
DIBENZO(A,H)ANTHRACENE	ND	3100	1400
DIBENZOFURAN	ND	4100	2100
DIETHYLPHTHALATE	ND	4100	2000
DIMETHYLPHTHALATE	ND	4100	1900
FLUORANTHENE	ND	4100	1800
FLUORENE	ND	4100	2100
HEXACHLOROBENZENE	ND	4100	2200
HEXACHLOROBUTADIENE	ND	4100	1900
HEXACHLOROCYCLOPENTADIENE	ND	4100	2300
HEXACHLOROETHANE	ND	4100	2000
INDENO(1,2,3-CD)PYRENE	ND	4100	1400
N-NITROSO-DI-N-PROPYLAMINE	ND	3100	2400
N-NITROSODIPHENYLAMINE (1)	ND	4100	2100
NAPHTHALENE	9100D	4100	2000
NITROBENZENE	ND	4100	2300
PENTACHLOROPHENOL	ND	10000	2300
PHENANTHRENE	ND	4100	2000
PHENOL	ND	4100	1700
PYRENE	ND	4100	2100

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	41	25-135
PHENOL-D5	56	25-135
NITROBENZENE-D5	65	25-135
2-FLUOROBIPHENYL	82	34-135
2,4,6-TRIBROMOPHENOL	62	25-144
TERPHENYL-D14	99	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2941	Date Analyzed:	04/13/00 21:09
Lab Samp ID:	D030-04	Dilution Factor:	2
File ID:	RDX195	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 18.7
Camb. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	810	390
1,2-DICHLOROBENZENE	ND	810	320
1,3-DICHLOROBENZENE	ND	810	320
1,4-DICHLOROBENZENE	ND	810	340
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	810	450
2,4,5-TRICHLOROPHENOL	ND	2000	350
2,4,6-TRICHLOROPHENOL	ND	810	390
2,4-DICHLOROPHENOL	ND	810	440
2,4-DIMETHYLPHENOL	ND	810	440
2,4-DINITROPHENOL	ND	2000	370
2,4-DINITROTOLUENE	ND	810	440
2,6-DINITROTOLUENE	ND	810	430
2-CHLORONAPHTHALENE	ND	810	440
2-CHLOROPHENOL	ND	810	340
2-METHYLNAPHTHALENE	16000E	810	500
2-METHYLPHENOL	ND	810	400
2-NITROANILINE	ND	2000	450
2-NITROPHENOL	ND	810	440
3,3'-DICHLOROBENZIDINE	ND	810	470
3-NITROANILINE	ND	2000	440
4,6-DINITRO-2-METHYLPHENOL	ND	2000	410
4-BROMOPHENYL-PHENYLETHER	ND	810	470
4-CHLORO-3-METHYLPHENOL	ND	810	440
4-CHLOROANILINE	ND	810	320
4-CHLOROPHENYL-PHENYLETHER	ND	810	440
4-METHYLPHENOL (2)	ND	810	410
4-NITROANILINE	ND	2000	300
4-NITROPHENOL	ND	2000	530
ACENAPHTHENE	ND	810	440
ACENAPHTHYLENE	ND	810	430
ANTHRACENE	ND	810	370
BENZO(A)ANTHRACENE	ND	810	350
BENZO(A)PYRENE	ND	620	410
BENZO(B)FLUORANTHENE	ND	810	500
BENZO(G,H,I)PERYLENE	ND	810	320
BENZO(K)FLUORANTHENE	ND	810	330
BIS(2-CHLOROETHOXY)METHANE	ND	810	440
BIS(2-CHLOROETHYL)ETHER	ND	810	410
BIS(2-ETHYLHEXYL)PHTHALATE	ND	810	420
BUTYLBENZYLPHTHALATE	ND	810	450
CHRYSENE	ND	810	400
DI-N-BUTYLPHTHALATE	ND	810	350
DI-N-OCTYLPHTHALATE	ND	810	520
DIBENZO(A,H)ANTHRACENE	ND	620	280
DIBENZOFURAN	ND	810	420
DIETHYLPHTHALATE	ND	810	410
DIMETHYLPHTHALATE	ND	810	390
FLUORANTHENE	ND	810	360
FLUORENE	ND	810	410
HEXACHLOROBENZENE	ND	810	440
HEXACHLOROBUTADIENE	ND	810	370
HEXACHLOROCYCLOPENTADIENE	ND	810	460
HEXACHLOROETHANE	ND	810	400
INDENO(1,2,3-CD)PYRENE	ND	810	270
N-NITROSO-DI-N-PROPYLAMINE	ND	620	470
N-NITROSODIPHENYLAMINE (1)	ND	810	410
NAPHTHALENE	5600	810	400
NITROBENZENE	ND	810	460
PENTACHLOROPHENOL	ND	2000	450
PHENANTHRENE	ND	810	390
PHENOL	ND	810	340
PYRENE	ND	810	410

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	54	25-135
PHENOL-D5	64	25-135
NITROBENZENE-D5	77	25-135
2-FLUOROBIPHENYL	69	34-135
2,4,6-TRIBROMOPHENOL	83	25-144
TERPHENYL-D14	101	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2941DL	Date Analyzed:	04/14/00 17:17
Lab Samp ID:	D030-04T	Dilution Factor:	10
Lab File ID:	RDX208	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	18.7
Calib. Ref.:	RDX206	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	4100	1900
1,2-DICHLOROBENZENE	ND	4100	1600
1,3-DICHLOROBENZENE	ND	4100	1600
1,4-DICHLOROBENZENE	ND	4100	1700
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	4100	2200
2,4,5-TRICHLOROPHENOL	ND	10000	1700
2,4,6-TRICHLOROPHENOL	ND	4100	2000
2,4-DICHLOROPHENOL	ND	4100	2200
2,4-DIMETHYLPHENOL	ND	4100	2200
2,4-DINITROPHENOL	ND	10000	1900
2,4-DINITROTOLUENE	ND	4100	2200
2,6-DINITROTOLUENE	ND	4100	2100
2-CHLORONAPHTHALENE	ND	4100	2200
2-CHLOROPHENOL	ND	4100	1700
2-METHYLNAPHTHALENE	15000D	4100	2500
2-METHYLPHENOL	ND	4100	2000
2-NITROANILINE	ND	10000	2300
2-NITROPHENOL	ND	4100	2200
3,3'-DICHLOROBENZIDINE	ND	4100	2400
3-NITROANILINE	ND	10000	2200
4,6-DINITRO-2-METHYLPHENOL	ND	10000	2000
4-BROMOPHENYL-PHENYLETHER	ND	4100	2300
4-CHLORO-3-METHYLPHENOL	ND	4100	2200
4-CHLOROANILINE	ND	4100	1600
4-CHLOROPHENYL-PHENYLETHER	ND	4100	2200
4-METHYLPHENOL (2)	ND	4100	2100
4-NITROANILINE	ND	10000	1500
4-NITROPHENOL	ND	10000	2700
ACENAPHTHENE	ND	4100	2200
ACENAPHTHYLENE	ND	4100	2200
ANTHRACENE	ND	4100	1800
BENZO(A)ANTHRACENE	ND	4100	1800
BENZO(A)PYRENE	ND	3100	2000
BENZO(B)FLUORANTHENE	ND	4100	2500
BENZO(G,H,I)PERYLENE	ND	4100	1600
BENZO(K)FLUORANTHENE	ND	4100	1700
BIS(2-CHLOROETHOXY)METHANE	ND	4100	2200
BIS(2-CHLOROETHYL)ETHER	ND	4100	2000
BIS(2-ETHYLHEXYL)PHTHALATE	ND	4100	2100
BUTYLBENZYLPHTHALATE	ND	4100	2200
CHRYSENE	ND	4100	2000
DI-N-BUTYLPHTHALATE	ND	4100	1800
DI-N-OCTYLPHTHALATE	ND	4100	2600
DIBENZO(A,H)ANTHRACENE	ND	3100	1400
DIBENZOFURAN	ND	4100	2100
DIETHYLPHTHALATE	ND	4100	2000
DIMETHYLPHTHALATE	ND	4100	1900
FLUORANTHENE	ND	4100	1800
FLUORENE	ND	4100	2000
HEXACHLOROBENZENE	ND	4100	2200
HEXACHLOROBUTADIENE	ND	4100	1800
HEXACHLOROCYCLOPENTADIENE	ND	4100	2300
HEXACHLOROETHANE	ND	4100	2000
INDENO(1,2,3-CD)PYRENE	ND	4100	1400
N-NITROSO-DI-N-PROPYLAMINE	ND	3100	2300
N-NITROSODIPHENYLAMINE (1)	ND	4100	2000
NAPHTHALENE	5800D	4100	2000
NITROBENZENE	ND	4100	2300
PENTACHLOROPHENOL	ND	10000	2300
PHENANTHRENE	ND	4100	2000
PHENOL	ND	4100	1700
PYRENE	ND	4100	2100

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	49	25-135
PHENOL-D5	63	25-135
NITROBENZENE-D5	65	25-135
2-FLUOROBIPHENYL	72	34-135
2,4,6-TRIBROMOPHENOL	50	25-144
TERPHENYL-D14	86	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2942	Date Analyzed:	04/13/00 21:45
Lab Samp ID:	D030-05	Dilution Factor:	1
File ID:	RDX196	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 17.3
Contro. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	400	190
1,2-DICHLOROBENZENE	ND	400	160
1,3-DICHLOROBENZENE	ND	400	160
1,4-DICHLOROBENZENE	ND	400	170
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	400	220
2,4,5-TRICHLOROPHENOL	ND	1000	170
2,4,6-TRICHLOROPHENOL	ND	400	190
2,4-DICHLOROPHENOL	ND	400	220
2,4-DIMETHYLPHENOL	ND	400	210
2,4-DINITROPHENOL	ND	1000	180
2,4-DINITROTOLUENE	ND	400	210
2,6-DINITROTOLUENE	ND	400	210
2-CHLORONAPHTHALENE	ND	400	220
2-CHLOROPHENOL	ND	400	170
2-METHYLNAPHTHALENE	9200E	400	240
2-METHYLPHENOL	ND	400	200
2-NITROANILINE	ND	1000	220
2-NITROPHENOL	ND	400	210
3,3'-DICHLOROBENZIDINE	ND	400	230
3-NITROANILINE	ND	1000	220
4,6-DINITRO-2-METHYLPHENOL	ND	1000	200
4-BROMOPHENYL-PHENYLETHER	ND	400	230
4-CHLORO-3-METHYLPHENOL	ND	400	210
4-CHLOROANILINE	ND	400	160
4-CHLOROPHENYL-PHENYLETHER	ND	400	220
4-METHYLPHENOL (2)	ND	400	200
4-NITROANILINE	ND	1000	150
4-NITROPHENOL	ND	1000	260
ACENAPHTHENE	ND	400	220
ACENAPHTHYLENE	ND	400	210
ANTHRACENE	ND	400	180
BENZO(A)ANTHRACENE	ND	400	170
BENZO(A)PYRENE	ND	300	200
BENZO(B)FLUORANTHENE	ND	400	250
BENZO(G,H,I)PERYLENE	ND	400	160
BENZO(K)FLUORANTHENE	ND	400	160
BIS(2-CHLOROETHOXY)METHANE	ND	400	220
BIS(2-CHLOROETHYL)ETHER	ND	400	200
BIS(2-ETHYLHEXYL)PHTHALATE	ND	400	210
BUTYLBENZYLPHTHALATE	ND	400	220
CHRYSENE	ND	400	200
DI-N-BUTYLPHTHALATE	ND	400	170
DI-N-OCTYLPHTHALATE	ND	400	260
DIBENZO(A,H)ANTHRACENE	ND	300	140
DIBENZOFURAN	ND	400	210
DIETHYLPHTHALATE	ND	400	200
DIMETHYLPHTHALATE	ND	400	190
FLUORANTHENE	ND	400	180
FLUORENE	ND	400	200
HEXACHLOROBENZENE	ND	400	210
HEXACHLOROBUTADIENE	ND	400	180
HEXACHLOROCYCLOPENTADIENE	ND	400	230
HEXACHLOROETHANE	ND	400	190
INDENO(1,2,3-CD)PYRENE	ND	400	130
N-NITROSO-DI-N-PROPYLAMINE	ND	300	230
N-NITROSODIPHENYLAMINE (1)	ND	400	200
NAPHTHALENE	3500	400	200
NITROBENZENE	ND	400	220
PENTACHLOROPHENOL	ND	1000	220
PHENANTHRENE	ND	400	190
PHENOL	ND	400	170
PYRENE	ND	400	200

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	63	25-135
PHENOL-D5	68	25-135
NITROBENZENE-D5	88	25-135
2-FLUOROBIPHENYL	61	34-135
2,4,6-TRIBROMOPHENOL	88	25-144
TERPHENYL-D14	87	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2942DL	Date Analyzed:	04/14/00 17:53
Lab Samp ID:	D03D-05T	Dilution Factor:	10
Lab File ID:	RDX209	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	17.3
Calib. Ref.:	RDX206	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	4000	1900
1,2-DICHLOROBENZENE	ND	4000	1600
1,3-DICHLOROBENZENE	ND	4000	1600
1,4-DICHLOROBENZENE	ND	4000	1700
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	4000	2200
2,4,5-TRICHLOROPHENOL	ND	10000	1700
2,4,6-TRICHLOROPHENOL	ND	4000	1900
2,4-DICHLOROPHENOL	ND	4000	2200
2,4-DIMETHYLPHENOL	ND	4000	2100
2,4-DINITROPHENOL	ND	10000	1800
2,4-DINITROTOLUENE	ND	4000	2100
2,6-DINITROTOLUENE	ND	4000	2100
2-CHLORONAPHTHALENE	ND	4000	2200
2-CHLOROPHENOL	ND	4000	1700
2-METHYLNAPHTHALENE	11000D	4000	2400
2-METHYLPHENOL	ND	4000	2000
2-NITROANILINE	ND	10000	2200
2-NITROPHENOL	ND	4000	2100
3,3'-DICHLOROBENZIDINE	ND	4000	2300
3-NITROANILINE	ND	10000	2200
4,6-DINITRO-2-METHYLPHENOL	ND	10000	2000
4-BROMOPHENYL-PHENYLETHER	ND	4000	2300
4-CHLORO-3-METHYLPHENOL	ND	4000	2100
4-CHLOROANILINE	ND	4000	1600
4-CHLOROPHENYL-PHENYLETHER	ND	4000	2200
4-METHYLPHENOL (2)	ND	4000	2000
4-NITROANILINE	ND	10000	1500
4-NITROPHENOL	ND	10000	2600
ACENAPHTHENE	ND	4000	2200
ACENAPHTHYLENE	ND	4000	2100
ANTHRACENE	ND	4000	1800
BENZO(A)ANTHRACENE	ND	4000	1700
BENZO(A)PYRENE	ND	3000	2000
BENZO(B)FLUORANTHENE	ND	4000	2500
BENZO(G,H,I)PERYLENE	ND	4000	1600
BENZO(K)FLUORANTHENE	ND	4000	1600
BIS(2-CHLOROETHOXY)METHANE	ND	4000	2200
BIS(2-CHLOROETHYL)ETHER	ND	4000	2000
BIS(2-ETHYLHEXYL)PHTHALATE	ND	4000	2100
BUTYLBENZYLPHTHALATE	ND	4000	2200
CHRYSENE	ND	4000	2000
DI-N-BUTYLPHTHALATE	ND	4000	1700
DI-N-OCTYLPHTHALATE	ND	4000	2600
DIBENZO(A,H)ANTHRACENE	ND	3000	1400
DIBENZOFURAN	ND	4000	2100
DIETHYLPHTHALATE	ND	4000	2000
DIMETHYLPHTHALATE	ND	4000	1900
FLUORANTHENE	ND	4000	1800
FLUORENE	ND	4000	2000
HEXACHLOROBENZENE	ND	4000	2100
HEXACHLOROBUTADIENE	ND	4000	1800
HEXACHLOROCYCLOPENTADIENE	ND	4000	2300
HEXACHLOROETHANE	ND	4000	1900
INDENO(1,2,3-CD)PYRENE	ND	4000	1300
N-NITROSO-DI-N-PROPYLAMINE	ND	3000	2300
N-NITROSODIPHENYLAMINE (1)	ND	4000	2000
NAPHTHALENE	3600JD	4000	2000
NITROBENZENE	ND	4000	2200
PENTACHLOROPHENOL	ND	10000	2200
PHENANTHRENE	ND	4000	1900
PHENOL	ND	4000	1700
PYRENE	ND	4000	2000

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	53	25-135
PHENOL-D5	63	25-135
NITROBENZENE-D5	73	25-135
2-FLUOROBIPHENYL	77	34-135
2,4,6-TRIBROMOPHENOL	49	25-144
TERPHENYL-D14	85	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2943	Date Analyzed:	04/13/00 22:21
Lab Samp ID:	D030-06	Dilution Factor:	1
File ID:	RDX197	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 14.1
D.O. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	380	180
1,2-DICHLOROBENZENE	ND	380	150
1,3-DICHLOROBENZENE	ND	380	150
1,4-DICHLOROBENZENE	ND	380	160
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	380	210
2,4,5-TRICHLOROPHENOL	ND	970	170
2,4,6-TRICHLOROPHENOL	ND	380	190
2,4-DICHLOROPHENOL	ND	380	210
2,4-DIMETHYLPHENOL	ND	380	210
2,4-DINITROPHENOL	ND	970	180
2,4-DINITROTOLUENE	ND	380	210
2,6-DINITROTOLUENE	ND	380	200
2-CHLORONAPHTHALENE	ND	380	210
2-CHLOROPHENOL	ND	380	160
2-METHYLNAPHTHALENE	5200	380	240
2-METHYLPHENOL	ND	380	190
2-NITROANILINE	ND	970	210
2-NITROPHENOL	ND	380	210
3,3'-DICHLOROBENZIDINE	ND	380	220
3-NITROANILINE	ND	970	210
4,6-DINITRO-2-METHYLPHENOL	ND	970	190
4-BROMOPHENYL-PHENYLETHER	ND	380	220
4-CHLORO-3-METHYLPHENOL	ND	380	210
4-CHLOROANILINE	ND	380	150
4-CHLOROPHENYL-PHENYLETHER	ND	380	210
4-METHYLPHENOL (2)	ND	380	190
4-NITROANILINE	ND	970	140
4-NITROPHENOL	ND	970	250
ACENAPHTHENE	ND	380	210
ACENAPHTHYLENE	ND	380	200
ANTHRACENE	ND	380	170
BENZO(A)ANTHRACENE	ND	380	170
BENZO(A)PYRENE	ND	290	190
BENZO(B)FLUORANTHENE	ND	380	240
BENZO(G,H,I)PERYLENE	ND	380	150
BENZO(K)FLUORANTHENE	ND	380	160
BIS(2-CHLOROETHOXY)METHANE	ND	380	210
BIS(2-CHLOROETHYL)ETHER	ND	380	190
BIS(2-ETHYLHEXYL)PHTHALATE	ND	380	200
BENZYLPHTHALATE	ND	380	210
CHRYSENE	ND	380	190
DI-N-BUTYLPHTHALATE	170J	380	170
DI-N-OCTYLPHTHALATE	ND	380	250
DIBENZO(A,H)ANTHRACENE	ND	290	130
DIBENZOFURAN	ND	380	200
DIETHYLPHTHALATE	ND	380	190
DIMETHYLPHTHALATE	ND	380	180
FLUORANTHENE	ND	380	170
FLUORENE	ND	380	190
HEXACHLOROBENZENE	ND	380	210
HEXACHLOROBUTADIENE	ND	380	170
HEXACHLOROCYCLOPENTADIENE	ND	380	220
HEXACHLOROETHANE	ND	380	190
INDENO(1,2,3-CD)PYRENE	ND	380	130
N-NITROSO-DI-N-PROPYLAMINE	ND	290	220
N-NITROSODIPHENYLAMINE (1)	ND	380	190
NAPHTHALENE	1500	380	190
NITROBENZENE	ND	380	220
PENTACHLOROPHENOL	ND	970	210
PHENANTHRENE	ND	380	190
PHENOL	ND	380	160
PYRENE	ND	380	190

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	54	25-135
PHENOL-D5	62	25-135
NITROBENZENE-D5	82	25-135
2-FLUOROBIPHENYL	62	34-135
2,4,6-TRIBROMOPHENOL	83	25-144
TERPHENYL-D14	88	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 000030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2944	Date Analyzed:	04/13/00 22:57
Lab Samp ID:	D030-07	Dilution Factor:	10
Lab File ID:	RDX198	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	9.3
Calib. Ref.:	RDX191	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	3600	1700
1,2-DICHLOROBENZENE	ND	3600	1500
1,3-DICHLOROBENZENE	ND	3600	1400
1,4-DICHLOROBENZENE	ND	3600	1500
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	3600	2000
2,4,5-TRICHLOROPHENOL	ND	9200	1600
2,4,6-TRICHLOROPHENOL	ND	3600	1800
2,4-DICHLOROPHENOL	ND	3600	2000
2,4-DIMETHYLPHENOL	ND	3600	2000
2,4-DINITROPHENOL	ND	9200	1700
2,4-DINITROTOLUENE	ND	3600	2000
2,6-DINITROTOLUENE	ND	3600	1900
2-CHLORONAPHTHALENE	ND	3600	2000
2-CHLOROPHENOL	ND	3600	1500
2-METHYLNAPHTHALENE	ND	3600	2200
2-METHYLPHENOL	ND	3600	1800
2-NITROANILINE	ND	9200	2000
2-NITROPHENOL	ND	3600	2000
3,3'-DICHLOROBENZIDINE	ND	3600	2100
3-NITROANILINE	ND	9200	2000
4,6-DINITRO-2-METHYLPHENOL	ND	9200	1800
4-BROMOPHENYL-PHENYLETHER	ND	3600	2100
4-CHLORO-3-METHYLPHENOL	ND	3600	2000
4-CHLOROANILINE	ND	3600	1400
4-CHLOROPHENYL-PHENYLETHER	ND	3600	2000
4-METHYLPHENOL (2)	ND	3600	1800
4-NITROANILINE	ND	9200	1300
4-NITROPHENOL	ND	9200	2400
ACENAPHTHENE	ND	3600	2000
ACENAPHTHYLENE	ND	3600	1900
ANTHRACENE	ND	3600	1600
BENZO(A)ANTHRACENE	ND	3600	1600
BENZO(A)PYRENE	ND	2800	1800
BENZO(B)FLUORANTHENE	ND	3600	2200
BENZO(G,H,I)PERYLENE	ND	3600	1400
BENZO(K)FLUORANTHENE	ND	3600	1500
BIS(2-CHLOROETHOXY)METHANE	ND	3600	2000
BIS(2-CHLOROETHYL)ETHER	ND	3600	1800
BIS(2-ETHYLHEXYL)PHTHALATE	ND	3600	1900
BUTYLBENZYLPHTHALATE	ND	3600	2000
CHRYSENE	ND	3600	1800
DI-N-BUTYLPHTHALATE	ND	3600	1600
DI-N-OCTYLPHTHALATE	ND	3600	2300
DIBENZO(A,H)ANTHRACENE	ND	2800	1300
DIBENZOFURAN	ND	3600	1900
DIETHYLPHTHALATE	ND	3600	1800
DIMETHYLPHTHALATE	ND	3600	1700
FLUORANTHENE	ND	3600	1600
FLUORENE	ND	3600	1800
HEXACHLOROBENZENE	ND	3600	2000
HEXACHLOROBUTADIENE	ND	3600	1700
HEXACHLOROCYCLOPENTADIENE	ND	3600	2100
HEXACHLOROETHANE	ND	3600	1800
INDENO(1,2,3-CD)PYRENE	ND	3600	1200
N-NITROSO-DI-N-PROPYLAMINE	ND	2800	2100
N-NITROSODIPHENYLAMINE (1)	ND	3600	1800
NAPHTHALENE	ND	3600	1800
NITROBENZENE	ND	3600	2000
PENTACHLOROPHENOL	ND	9200	2000
PHENANTHRENE	ND	3600	1800
PHENOL	ND	3600	1500
PYRENE	ND	3600	1800

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	46	25-135
PHENOL-D5	57	25-135
NITROBENZENE-D5	49	25-135
2-FLUOROBIPHENYL	64	34-135
2,4,6-TRIBROMOPHENOL	71	25-144
TERPHENYL-D14	95	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2945	Date Analyzed:	04/13/00 23:32
Lab Comp ID:	D030-08	Dilution Factor:	1
File ID:	RDX199	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 11.3
Calib. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	370	180
1,2-DICHLOROBENZENE	ND	370	150
1,3-DICHLOROBENZENE	ND	370	150
1,4-DICHLOROBENZENE	ND	370	160
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	370	210
2,4,5-TRICHLOROPHENOL	ND	940	160
2,4,6-TRICHLOROPHENOL	ND	370	180
2,4-DICHLOROPHENOL	ND	370	200
2,4-DIMETHYLPHENOL	ND	370	200
2,4-DINITROPHENOL	ND	940	170
2,4-DINITROTOLUENE	ND	370	200
2,6-DINITROTOLUENE	ND	370	200
2-CHLORONAPHTHALENE	ND	370	200
2-CHLOROPHENOL	ND	370	160
2-METHYLNAPHTHALENE	6700E	370	230
2-METHYLPHENOL	ND	370	180
2-NITROANILINE	ND	940	210
2-NITROPHENOL	ND	370	200
3,3'-DICHLOROBENZIDINE	ND	370	220
3-NITROANILINE	ND	940	200
4,6-DINITRO-2-METHYLPHENOL	ND	940	190
4-BROMOPHENYL-PHENYLETHER	ND	370	210
4-CHLORO-3-METHYLPHENOL	ND	370	200
4-CHLOROANILINE	ND	370	150
4-CHLOROPHENYL-PHENYLETHER	ND	370	200
4-METHYLPHENOL (2)	ND	370	190
4-NITROANILINE	ND	940	140
4-NITROPHENOL	ND	940	240
ACENAPHTHENE	ND	370	200
ACENAPHTHYLENE	ND	370	200
ANTHRACENE	ND	370	170
BENZO(A)ANTHRACENE	ND	370	160
BENZO(A)PYRENE	ND	280	190
BENZO(B)FLUORANTHENE	ND	370	230
BENZO(G,H,I)PERYLENE	ND	370	150
BENZO(K)FLUORANTHENE	ND	370	150
BIS(2-CHLOROETHOXY)METHANE	ND	370	200
BIS(2-CHLOROETHYL)ETHER	ND	370	190
BIS(2-ETHYLHEXYL)PHTHALATE	ND	370	190
BUTYLBENZYLPHTHALATE	ND	370	210
CHRYSENE	ND	370	180
DI-N-BUTYLPHTHALATE	210J	370	160
DI-N-OCTYLPHTHALATE	ND	370	240
DIBENZO(A,H)ANTHRACENE	ND	280	130
DIBENZOFURAN	ND	370	190
DIETHYLPHTHALATE	ND	370	190
DIMETHYLPHTHALATE	ND	370	180
FLUORANTHENE	ND	370	170
FLUORENE	ND	370	190
HEXACHLOROBENZENE	ND	370	200
HEXACHLOROBUTADIENE	ND	370	170
HEXACHLOROCYCLOPENTADIENE	ND	370	210
HEXACHLOROETHANE	ND	370	180
INDENO(1,2,3-CD)PYRENE	ND	370	130
N-NITROSO-DI-N-PROPYLAMINE	ND	280	210
N-NITROSODIPHENYLAMINE (1)	ND	370	190
NAPHTHALENE	1300	370	180
NITROBENZENE	ND	370	210
PENTACHLOROPHENOL	ND	940	210
PHENANTHRENE	ND	370	180
PHENOL	ND	370	160
PYRENE	ND	370	190

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	60	25-135
PHENOL-D5	67	25-135
NITROBENZENE-D5	81	25-135
2-FLUOROBIPHENYL	61	34-135
2,4,6-TRIBROMOPHENOL	80	25-144
TERPHENYL-D14	87	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2945DL	Date Analyzed:	04/14/00 19:05
Lab Samp ID:	D030-08T	Dilution Factor:	5
Lab File ID:	RDX211	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	11.3
Calib. Ref.:	RDX206	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	1900	890
1,2-DICHLOROBENZENE	ND	1900	740
1,3-DICHLOROBENZENE	ND	1900	740
1,4-DICHLOROBENZENE	ND	1900	790
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	1900	1000
2,4,5-TRICHLOROPHENOL	ND	4700	800
2,4,6-TRICHLOROPHENOL	ND	1900	900
2,4-DICHLOROPHENOL	ND	1900	1000
2,4-DIMETHYLPHENOL	ND	1900	1000
2,4-DINITROPHENOL	ND	4700	850
2,4-DINITROTOLUENE	ND	1900	1000
2,6-DINITROTOLUENE	ND	1900	980
2-CHLORONAPHTHALENE	ND	1900	1000
2-CHLOROPHENOL	ND	1900	780
2-METHYLNAPHTHALENE	7600D	1900	1100
2-METHYLPHENOL	ND	1900	910
2-NITROANILINE	ND	4700	1000
2-NITROPHENOL	ND	1900	1000
3,3'-DICHLOROBENZIDINE	ND	1900	1100
3-NITROANILINE	ND	4700	1000
4,6-DINITRO-2-METHYLPHENOL	ND	4700	940
4-BROMOPHENYL-PHENYLETHER	ND	1900	1100
4-CHLORO-3-METHYLPHENOL	ND	1900	1000
4-CHLOROANILINE	ND	1900	740
4-CHLOROPHENYL-PHENYLETHER	ND	1900	1000
4-METHYLPHENOL (2)	ND	1900	940
4-NITROANILINE	ND	4700	680
4-NITROPHENOL	ND	4700	1200
ACENAPHTHENE	ND	1900	1000
ACENAPHTHYLENE	ND	1900	990
ANTHRACENE	ND	1900	840
BENZO(A)ANTHRACENE	ND	1900	810
BENZO(A)PYRENE	ND	1400	940
BENZO(B)FLUORANTHENE	ND	1900	1100
BENZO(G,H,I)PERYLENE	ND	1900	730
BENZO(K)FLUORANTHENE	ND	1900	760
BIS(2-CHLOROETHOXY)METHANE	ND	1900	1000
BIS(2-CHLOROETHYL)ETHER	ND	1900	930
BIS(2-ETHYLHEXYL)PHTHALATE	ND	1900	960
BUTYLBENZYLPHTHALATE	ND	1900	1000
CHRYSENE	ND	1900	920
DI-N-BUTYLPHTHALATE	ND	1900	810
DI-N-OCTYLPHTHALATE	ND	1900	1200
DIBENZO(A,H)ANTHRACENE	ND	1400	650
DIBENZOFURAN	ND	1900	970
DIETHYLPHTHALATE	ND	1900	930
DIMETHYLPHTHALATE	ND	1900	890
FLUORANTHENE	ND	1900	830
FLUORENE	ND	1900	940
HEXACHLOROBENZENE	ND	1900	1000
HEXACHLOROBUTADIENE	ND	1900	850
HEXACHLOROCYCLOPENTADIENE	ND	1900	1100
HEXACHLOROETHANE	ND	1900	910
INDENO(1,2,3-CD)PYRENE	ND	1900	630
N-NITROSO-DI-N-PROPYLAMINE	ND	1400	1100
N-NITROSODIPHENYLAMINE (1)	ND	1900	940
NAPHTHALENE	1700JD	1900	920
NITROBENZENE	ND	1900	1000
PENTACHLOROPHENOL	ND	4700	1000
PHENANTHRENE	ND	1900	900
PHENOL	ND	1900	780
PYRENE	ND	1900	940

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	57	25-135
PHENOL-D5	67	25-135
NITROBENZENE-D5	77	25-135
2-FLUOROBIPHENYL	77	34-135
2,4,6-TRIBROMOPHENOL	71	25-144
TERPHENYL-D14	91	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2946	Date Analyzed:	04/13/00 19:21
Lab Sample ID:	D030-09	Dilution Factor:	1
File ID:	RDX192	Matrix	: SOIL
GC/MS Batch ID:	SVD010S	% Moisture	: 16.0
Calib. Ref.:	RDX191	Instrument ID	: T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	390	190
1,2-DICHLOROBENZENE	ND	390	160
1,3-DICHLOROBENZENE	ND	390	160
1,4-DICHLOROBENZENE	ND	390	170
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	390	220
2,4,5-TRICHLOROPHENOL	ND	990	170
2,4,6-TRICHLOROPHENOL	ND	390	190
2,4-DICHLOROPHENOL	ND	390	210
2,4-DIMETHYLPHENOL	ND	390	210
2,4-DINITROPHENOL	ND	990	180
2,4-DINITROTOLUENE	ND	390	210
2,6-DINITROTOLUENE	ND	390	210
2-CHLORONAPHTHALENE	ND	390	210
2-CHLOROPHENOL	ND	390	170
2-METHYLNAPHTHALENE	ND	390	240
2-METHYLPHENOL	ND	390	190
2-NITROANILINE	ND	990	220
2-NITROPHENOL	ND	390	210
3,3'-DICHLOROBENZIDINE	ND	390	230
3-NITROANILINE	ND	990	210
4,6-DINITRO-2-METHYLPHENOL	ND	990	200
4-BROMOPHENYL-PHENYLETHER	ND	390	230
4-CHLORO-3-METHYLPHENOL	ND	390	210
4-CHLOROANILINE	ND	390	160
4-CHLOROPHENYL-PHENYLETHER	ND	390	210
4-METHYLPHENOL (2)	ND	390	200
4-NITROANILINE	ND	990	140
4-NITROPHENOL	ND	990	260
ACENAPHTHENE	ND	390	210
ACENAPHTHYLENE	ND	390	210
ANTHRACENE	ND	390	180
BENZO(A)ANTHRACENE	ND	390	170
BENZO(A)PYRENE	ND	300	200
BENZO(B)FLUORANTHENE	ND	390	240
BENZO(G,H,I)PERYLENE	ND	390	150
BENZO(K)FLUORANTHENE	ND	390	160
BIS(2-CHLOROETHOXY)METHANE	ND	390	210
BIS(2-CHLOROETHYL)ETHER	ND	390	200
BIS(2-ETHYLHEXYL)PHTHALATE	ND	390	200
BUTYLBENZYLPHTHALATE	ND	390	220
CHRYSENE	ND	390	200
DI-N-BUTYLPHTHALATE	ND	390	170
DI-N-OCTYLPHTHALATE	ND	390	250
DIBENZO(A,H)ANTHRACENE	ND	300	140
DIBENZOFURAN	ND	390	200
DIETHYLPHTHALATE	ND	390	200
DIMETHYLPHTHALATE	ND	390	190
FLUORANTHENE	ND	390	180
FLUORENE	ND	390	200
HEXACHLOROBENZENE	ND	390	210
HEXACHLOROBUTADIENE	ND	390	180
HEXACHLOROCYCLOPENTADIENE	ND	390	220
HEXACHLOROETHANE	ND	390	190
INDENO(1,2,3-CD)PYRENE	ND	390	130
N-NITROSO-DI-N-PROPYLAMINE	ND	300	230
N-NITROSODIPHENYLAMINE (1)	ND	390	200
NAPHTHALENE	ND	390	200
NITROBENZENE	ND	390	220
PENTACHLOROPHENOL	ND	990	220
PHENANTHRENE	ND	390	190
PHENOL	ND	390	170
PYRENE	ND	390	200

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	58	25-135
PHENOL-D5	64	25-135
NITROBENZENE-D5	62	25-135
2-FLUOROBIPHENYL	67	34-135
2,4,6-TRIBROMOPHENOL	69	25-144
TERPHENYL-D14	77	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: D0D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2947	Date Analyzed:	04/14/00 00:08
Lab Samp ID:	D030-10	Dilution Factor:	5
Lab File ID:	RDX200	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	13.7
Calib. Ref.:	RDX191	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	1900	920
1,2-DICHLOROBENZENE	ND	1900	760
1,3-DICHLOROBENZENE	ND	1900	760
1,4-DICHLOROBENZENE	ND	1900	810
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	1900	1100
2,4,5-TRICHLOROPHENOL	ND	4800	820
2,4,6-TRICHLOROPHENOL	ND	1900	930
2,4-DICHLOROPHENOL	ND	1900	1000
2,4-DIMETHYLPHENOL	ND	1900	1000
2,4-DINITROPHENOL	ND	4800	870
2,4-DINITROTOLUENE	ND	1900	1000
2,6-DINITROTOLUENE	ND	1900	1000
2-CHLORONAPHTHALENE	ND	1900	1000
2-CHLOROPHENOL	ND	1900	810
2-METHYLNAPHTHALENE	ND	1900	1200
2-METHYLPHENOL	ND	1900	940
2-NITROANILINE	ND	4800	1100
2-NITROPHENOL	ND	1900	1000
3,3'-DICHLOROBENZIDINE	ND	1900	1100
3-NITROANILINE	ND	4800	1000
4,6-DINITRO-2-METHYLPHENOL	ND	4800	960
4-BROMOPHENYL-PHENYLETHER	ND	1900	1100
4-CHLORO-3-METHYLPHENOL	ND	1900	1000
4-CHLOROANILINE	ND	1900	760
4-CHLOROPHENYL-PHENYLETHER	ND	1900	1000
4-METHYLPHENOL (2)	ND	1900	970
4-NITROANILINE	ND	4800	700
4-NITROPHENOL	ND	4800	1300
ACENAPHTHENE	ND	1900	1000
ACENAPHTHYLENE	ND	1900	1000
ANTHRACENE	ND	1900	860
BENZO(A)ANTHRACENE	ND	1900	830
BENZO(A)PYRENE	ND	1400	960
BENZO(B)FLUORANTHENE	ND	1900	1200
BENZO(G,H,I)PERYLENE	ND	1900	750
BENZO(K)FLUORANTHENE	ND	1900	780
BIS(2-CHLOROETHOXY)METHANE	ND	1900	1000
BIS(2-CHLOROETHYL)ETHER	ND	1900	960
BIS(2-ETHYLHEXYL)PHTHALATE	ND	1900	980
BUTYLBENZYLPHTHALATE	ND	1900	1100
CHRYSENE	ND	1900	950
DI-N-BUTYLPHTHALATE	ND	1900	830
DI-N-OCTYLPHTHALATE	ND	1900	1200
DIBENZO(A,H)ANTHRACENE	ND	1400	670
DIBENZOFURAN	ND	1900	1000
DIETHYLPHTHALATE	ND	1900	960
DIMETHYLPHTHALATE	ND	1900	910
FLUORANTHENE	ND	1900	860
FLUORENE	ND	1900	960
HEXACHLOROBENZENE	ND	1900	1000
HEXACHLOROBUTADIENE	ND	1900	870
HEXACHLOROCYCLOPENTADIENE	ND	1900	1100
HEXACHLOROETHANE	ND	1900	930
INDENO(1,2,3-CD)PYRENE	ND	1900	640
N-NITROSO-DI-N-PROPYLAMINE	ND	1400	1100
N-NITROSODIPHENYLAMINE (1)	ND	1900	960
NAPHTHALENE	ND	1900	950
NITROBENZENE	ND	1900	1100
PENTACHLOROPHENOL	ND	4800	1100
PHENANTHRENE	ND	1900	930
PHENOL	ND	1900	810
PYRENE	ND	1900	970

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	54	25-135
PHENOL-D5	64	25-135
NITROBENZENE-D5	61	25-135
2-FLUOROBIPHENYL	71	34-135
2,4,6-TRIBROMOPHENOL	50	25-144
TERPHENYL-D14	95	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2948	Date Analyzed:	04/11/00 13:14
Samp ID:	D030-11	Dilution Factor:	1
File ID:	RDB074	Matrix	: SOIL
Batch ID:	SVD010S	% Moisture	: 10.0
Calib. Ref.:	RDB060	Instrument ID	: T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	370	180
1,2-DICHLOROBENZENE	ND	370	150
1,3-DICHLOROBENZENE	ND	370	150
1,4-DICHLOROBENZENE	ND	370	160
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	370	200
2,4,5-TRICHLOROPHENOL	ND	920	160
2,4,6-TRICHLOROPHENOL	ND	370	180
2,4-DICHLOROPHENOL	ND	370	200
2,4-DIMETHYLPHENOL	ND	370	200
2,4-DINITROPHENOL	ND	920	170
2,4-DINITROTOLUENE	ND	370	200
2,6-DINITROTOLUENE	ND	370	190
2-CHLORONAPHTHALENE	ND	370	200
2-CHLOROPHENOL	ND	370	150
2-METHYLNAPHTHALENE	ND	370	220
2-METHYLPHENOL	ND	370	180
2-NITROANILINE	ND	920	200
2-NITROPHENOL	ND	370	200
3,3'-DICHLOROBENZIDINE	ND	370	210
3-NITROANILINE	ND	920	200
4,6-DINITRO-2-METHYLPHENOL	ND	920	180
4-BROMOPHENYL-PHENYLETHER	ND	370	210
4-CHLORO-3-METHYLPHENOL	ND	370	200
4-CHLOROANILINE	ND	370	150
4-CHLOROPHENYL-PHENYLETHER	ND	370	200
4-METHYLPHENOL (2)	ND	370	190
4-NITROANILINE	ND	920	130
4-NITROPHENOL	ND	920	240
ACENAPHTHENE	ND	370	200
ACENAPHTHYLENE	ND	370	190
ANTHRACENE	ND	370	170
BENZO(A)ANTHRACENE	ND	370	160
BENZO(A)PYRENE	ND	280	180
BENZO(B)FLUORANTHENE	ND	370	230
BENZO(G,H,I)PERYLENE	ND	370	140
BENZO(K)FLUORANTHENE	ND	370	150
BIS(2-CHLOROETHOXY)METHANE	ND	370	200
BIS(2-CHLOROETHYL)ETHER	ND	370	180
BIS(2-ETHYLHEXYL)PHTHALATE	ND	370	190
BUTYLBENZYLPHTHALATE	ND	370	200
CHRYSENE	ND	370	180
DI-N-BUTYLPHTHALATE	ND	370	160
DI-N-OCTYLPHTHALATE	ND	370	230
DIBENZO(A,H)ANTHRACENE	ND	280	130
DIBENZOFURAN	ND	370	190
DIETHYLPHTHALATE	ND	370	180
DIMETHYLPHTHALATE	ND	370	170
FLUORANTHENE	ND	370	160
FLUORENE	ND	370	180
HEXACHLOROBENZENE	ND	370	200
HEXACHLOROBUTADIENE	ND	370	170
HEXACHLOROCYCLOPENTADIENE	ND	370	210
HEXACHLOROETHANE	ND	370	180
INDENO(1,2,3-CD)PYRENE	ND	370	120
N-NITROSO-DI-N-PROPYLAMINE	ND	280	210
N-NITROSODIPHENYLAMINE (1)	ND	370	180
NAPHTHALENE	ND	370	180
NITROBENZENE	ND	370	210
PENTACHLOROPHENOL	ND	920	200
PHENANTHRENE	ND	370	180
PHENOL	ND	370	150
PYRENE	ND	370	190

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	48	25-135
PHENOL-D5	58	25-135
NITROBENZENE-D5	54	25-135
2-FLUOROBIPHENYL	57	34-135
2,4,6-TRIBROMOPHENOL	69	25-144
TERPHENYL-D14	75	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2949	Date Analyzed:	04/13/00 19:57
Lab Samp ID:	D030-12	Dilution Factor:	1
Lab File ID:	RDX193	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	7.7
Calib. Ref.:	RDX191	Instrument ID :	T-042

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	360	170
1,2-DICHLOROBENZENE	ND	360	140
1,3-DICHLOROBENZENE	ND	360	140
1,4-DICHLOROBENZENE	ND	360	150
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	360	200
2,4,5-TRICHLOROPHENOL	ND	900	150
2,4,6-TRICHLOROPHENOL	ND	360	170
2,4-DICHLOROPHENOL	ND	360	190
2,4-DIMETHYLPHENOL	ND	360	190
2,4-DINITROPHENOL	ND	900	160
2,4-DINITROTOLUENE	ND	360	190
2,6-DINITROTOLUENE	ND	360	190
2-CHLORONAPHTHALENE	ND	360	200
2-CHLOROPHENOL	ND	360	150
2-METHYLNAPHTHALENE	ND	360	220
2-METHYLPHENOL	ND	360	180
2-NITROANILINE	ND	900	200
2-NITROPHENOL	ND	360	190
3,3'-DICHLOROBENZIDINE	ND	360	210
3-NITROANILINE	ND	900	190
4,6-DINITRO-2-METHYLPHENOL	ND	900	180
4-BROMOPHENYL-PHENYLETHER	ND	360	210
4-CHLORO-3-METHYLPHENOL	ND	360	190
4-CHLOROANILINE	ND	360	140
4-CHLOROPHENYL-PHENYLETHER	ND	360	200
4-METHYLPHENOL (2)	ND	360	180
4-NITROANILINE	ND	900	130
4-NITROPHENOL	ND	900	230
ACENAPHTHENE	ND	360	200
ACENAPHTHYLENE	ND	360	190
ANTHRACENE	ND	360	160
BENZO(A)ANTHRACENE	ND	360	150
BENZO(A)PYRENE	ND	270	180
BENZO(B)FLUORANTHENE	ND	360	220
BENZO(G,H,I)PERYLENE	ND	360	140
BENZO(K)FLUORANTHENE	ND	360	150
BIS(2-CHLOROETHOXY)METHANE	ND	360	200
BIS(2-CHLOROETHYL)ETHER	ND	360	180
BIS(2-ETHYLHEXYL)PHTHALATE	ND	360	180
BUTYLBENZYLPHTHALATE	ND	360	200
CHRYSENE	ND	360	180
DI-N-BUTYLPHTHALATE	180J	360	160
DI-N-OCTYLPHTHALATE	ND	360	230
DIBENZO(A,H)ANTHRACENE	ND	270	120
DIBENZOFURAN	ND	360	190
DIETHYLPHTHALATE	ND	360	180
DIMETHYLPHTHALATE	ND	360	170
FLUORANTHENE	ND	360	160
FLUORENE	ND	360	180
HEXACHLOROBENZENE	ND	360	190
HEXACHLOROBUTADIENE	ND	360	160
HEXACHLOROCYCLOPENTADIENE	ND	360	200
HEXACHLOROETHANE	ND	360	170
INDENO(1,2,3-CD)PYRENE	ND	360	120
N-NITROSO-DI-N-PROPYLAMINE	ND	270	210
N-NITROSODIPHENYLAMINE (1)	ND	360	180
NAPHTHALENE	ND	360	180
NITROBENZENE	ND	360	200
PENTACHLOROPHENOL	ND	900	200
PHENANTHRENE	ND	360	170
PHENOL	ND	360	150
PYRENE	ND	360	180

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	47	25-135
PHENOL-D5	54	25-135
NITROBENZENE-D5	52	25-135
2-FLUOROBIPHENYL	54	34-135
2,4,6-TRIBROMOPHENOL	60	25-144
TERPHENYL-D14	76	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

METHOD 3550A/8270B
SEMIVOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	NA
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	MBLK1S	Date Analyzed:	04/11/00 07:59
Lab Sample ID:	SVD010SB	Dilution Factor:	1
Lab File ID:	RDB067	Matrix :	SOIL
Batch ID:	SVD010S	% Moisture :	NA
Calib. Ref.:	RDB060	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	330	160
1,2-DICHLOROBENZENE	ND	330	130
1,3-DICHLOROBENZENE	ND	330	130
1,4-DICHLOROBENZENE	ND	330	140
2,2'-OXYBIS(1-CHLOROPROPANE)	ND	330	180
2,4,5-TRICHLOROPHENOL	ND	830	140
2,4,6-TRICHLOROPHENOL	ND	330	160
2,4-DICHLOROPHENOL	ND	330	180
2,4-DIMETHYLPHENOL	ND	330	180
2,4-DINITROPHENOL	ND	830	150
2,4-DINITROTOLUENE	ND	330	180
2,6-DINITROTOLUENE	ND	330	170
2-CHLORONAPHTHALENE	ND	330	180
2-CHLOROPHENOL	ND	330	140
2-METHYLNAPHTHALENE	ND	330	200
2-METHYLPHENOL	ND	330	160
2-NITROANILINE	ND	830	180
2-NITROPHENOL	ND	330	180
3,3'-DICHLOROBENZIDINE	ND	330	190
3-NITROANILINE	ND	830	180
4,6-DINITRO-2-METHYLPHENOL	ND	830	170
4-BROMOPHENYL-PHENYLETHER	ND	330	190
4-CHLORO-3-METHYLPHENOL	ND	330	180
4-CHLOROANILINE	ND	330	130
4-CHLOROPHENYL-PHENYLETHER	ND	330	180
4-METHYLPHENOL (2)	ND	330	170
4-NITROANILINE	ND	830	120
4-NITROPHENOL	ND	830	220
ACENAPHTHENE	ND	330	180
ACENAPHTHYLENE	ND	330	170
ANTHRACENE	ND	330	150
BENZO(A)ANTHRACENE	ND	330	140
BENZO(A)PYRENE	ND	250	170
BENZO(B)FLUORANTHENE	ND	330	200
BENZO(G,H,I)PERYLENE	ND	330	130
BENZO(K)FLUORANTHENE	ND	330	130
BIS(2-CHLOROETHOXY)METHANE	ND	330	180
BIS(2-CHLOROETHYL)ETHER	ND	330	170
BIS(2-ETHYLHEXYL)PHTHALATE	ND	330	170
BUTYLBENZYLPHTHALATE	ND	330	180
CHRYSENE	ND	330	160
DI-N-BUTYLPHTHALATE	ND	330	140
DI-N-OCTYLPHTHALATE	ND	330	210
DIBENZO(A,H)ANTHRACENE	ND	250	110
DIBENZOFURAN	ND	330	170
DIETHYLPHTHALATE	ND	330	170
DIMETHYLPHTHALATE	ND	330	160
FLUORANTHENE	ND	330	150
FLUORENE	ND	330	170
HEXACHLOROBENZENE	ND	330	180
HEXACHLOROBUTADIENE	ND	330	150
HEXACHLOROCYCLOPENTADIENE	ND	330	190
HEXACHLOROETHANE	ND	330	160
INDENO(1,2,3-CD)PYRENE	ND	330	110
N-NITROSO-DI-N-PROPYLAMINE	ND	250	190
N-NITROSODIPHENYLAMINE (1)	ND	330	170
NAPHTHALENE	ND	330	160
NITROBENZENE	ND	330	180
PENTACHLOROPHENOL	ND	830	180
PHENANTHRENE	ND	330	160
PHENOL	ND	330	140
PYRENE	ND	330	170

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2-FLUOROPHENOL	54	25-135
PHENOL-D5	63	25-135
NITROBENZENE-D5	61	25-135
2-FLUOROBIPHENYL	69	34-135
2,4,6-TRIBROMOPHENOL	64	25-144
TERPHENYL-D14	80	32-136

PRL : Project Reporting Limit
(1) : Cannot be separated from Diphenylamine
(2) : Cannot be separated from 3-Methylphenol

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 000030
METHOD: METHOD 3550A/8270B

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1S				
LAB SAMP ID:	SVD010SB	SVD010SL	SVD010SC		
LAB FILE ID:	RDB067	RDB068	RDB069		
DATE EXTRACTED:	04/10/0017:15	04/10/0017:15	04/10/0017:15	DATE COLLECTED:	NA
DATE ANALYZED:	04/11/0007:59	04/11/0008:36	04/11/0009:12	DATE RECEIVED:	NA
PREP. BATCH:	SVD010S	SVD010S	SVD010S		
CALIB. REF:	RDB060	RDB060	RDB060		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,2,4-Trichlorobenzene	ND	3330	2520	76	3330	2590	78	3	34-152	30
1,4-Dichlorobenzene	ND	3330	2410	72	3330	2600	78	7	25-135	30
2,4-Dinitrotoluene	ND	3330	2910	87	3330	2930	88	1	29-149	30
2-Chlorophenol	ND	5000	3380	68	5000	3600	72	6	31-135	30
4-Chloro-3-Methylphenol	ND	5000	3550	71	5000	3700	74	4	34-135	30
4-Nitrophenol	ND	5000	3760	75	5000	3790	76	1	25-141	30
Acenaphthene	ND	3330	2700	81	3330	2700	81	0	39-135	30
N-Nitroso-di-n-propyl.	ND	3330	2780	84	3330	2920	88	5	27-135	30
Pentachlorophenol	ND	5000	4220	84	5000	4490	90	6	38-146	30
Phenol	ND	5000	3440	69	5000	3640	73	6	25-135	30
Pyrene	ND	3330	2990	90	3330	2940	88	2	37-146	30

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	QC LIMIT (%)
2-Fluorophenol	5000	2810	56	5000	2900	58	25-135
Phenol-d5	5000	3060	61	5000	3140	63	25-135
Nitrobenzene-d5	3330	2070	62	3330	2160	65	25-135
2-Fluorobiphenyl	3330	2250	67	3330	2310	69	34-125
2,4,6-Tribromophenol	5000	3260	65	5000	3320	66	25-144
Terphenyl-d14	3330	2710	81	3330	2620	79	32-136

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00D030
METHOD: METHOD 3550A/8270B

MATRIX:	SOIL			% MOISTURE:	10.0
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	18609-2948				
LAB SAMP ID:	D030-11	D030-11M	D030-11S		
LAB FILE ID:	RDB074	RDB075	RDB076		
DATE EXTRACTED:	04/10/0017:15	04/10/0017:15	04/10/0017:15	DATE COLLECTED:	04/06/00
DATE ANALYZED:	04/11/0013:14	04/11/0013:51	04/11/0014:27	DATE RECEIVED:	04/06/00
PREP. BATCH:	SVD010S	SVD010S	SVD010S		
CALIB. REF:	RDB060	RDB060	RDB060		

ACCESSION:

PARAMETER	SMPL RSLT (ug/kg)	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
1,2,4-Trichlorobenzene	ND	3700	2880	78	3700	2870	77	1	34-152	30
1,4-Dichlorobenzene	ND	3700	2750	74	3700	2860	77	4	25-135	30
2,4-Dinitrotoluene	ND	3700	2950	80	3700	3220	87	9	29-149	30
2-Chlorophenol	ND	5560	3700	67	5560	3880	70	5	31-135	30
4-Chloro-3-Methylphenol	ND	5560	3850	69	5560	4010	72	4	34-135	30
4-Nitrophenol	ND	5560	3710	67	5560	4070	73	9	25-141	30
Acenaphthene	ND	3700	2700	73	3700	2840	77	5	39-135	30
N-Nitroso-di-n-propyl.	ND	3700	3150	85	3700	3490	94	11	27-135	30
Pentachlorophenol	ND	5560	4830	87	5560	4830	87	0	38-146	30
Phenol	ND	5560	3740	67	5560	3960	71	6	25-135	30
Pyrene	ND	3700	2850	77	3700	3400	92	17	37-146	30

SURROGATE PARAMETER	SPIKE AMT (ug/kg)	MS RSLT (ug/kg)	MS % REC	SPIKE AMT (ug/kg)	MSD RSLT (ug/kg)	MSD % REC	QC LIMIT (%)
2-Fluorophenol	5560	3150	57	5560	3050	55	25-135
Phenol-d5	5560	3420	62	5560	3610	65	25-135
Nitrobenzene-d5	3700	2320	63	3700	2490	67	25-135
2-Fluorobiphenyl	3700	2380	64	3700	2530	68	34-125
2,4,6-Tribromophenol	5560	4150	75	5560	4090	74	25-144
Terphenyl-d14	3700	2740	74	3700	3130	85	32-136

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2938	Date Analyzed:	04/14/00 04:07
Lab Samp ID:	D030-01	Dilution Factor:	2
Lab File ID:	RDB111	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	11.5
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	75	32
BIS(2-CHLOROETHYL)ETHER	ND	75	9.5
DIBENZO(A,H)ANTHRACENE	ND	75	20
HEXACHLOROBENZENE	ND	75	14
INDENO(1,2,3-CD)PYRENE	ND	75	15
N-NITROSO-DI-N-PROPYLAMINE	ND	75	15
PENTACHLOROPHENOL	ND	370	21

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Job No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2940	Date Analyzed:	04/14/00 09:40
Lab Samp ID:	D030-03	Dilution Factor:	10
Lab File ID:	RDB121	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	19.2
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	410	170
BIS(2-CHLOROETHYL)ETHER	ND	410	52
DIBENZO(A,H)ANTHRACENE	ND	410	110
HEXACHLOROBENZENE	ND	410	79
INDENO(1,2,3-CD)PYRENE	ND	410	80
N-NITROSO-DI-N-PROPYLAMINE	ND	410	84
PENTACHLOROPHENOL	ND	2000	120

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Lab No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2942	Date Analyzed:	04/14/00 10:53
Lab Samp ID:	D030-05	Dilution Factor:	10
Lab File ID:	RDB123	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	17.3
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	400	170
BIS(2-CHLOROETHYL)ETHER	ND	400	51
DIBENZO(A,H)ANTHRACENE	ND	400	100
HEXACHLOROBENZENE	ND	400	77
INDENO(1,2,3-CD)PYRENE	ND	400	79
N-NITROSO-DI-N-PROPYLAMINE	ND	400	82
PENTACHLOROPHENOL	ND	2000	110

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Job No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2944	Date Analyzed:	04/14/00 12:07
Lab Samp ID:	D030-07	Dilution Factor:	2
Lab File ID:	RDB125	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	9.3
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	73	31
BIS(2-CHLOROETHYL)ETHER	ND	73	9.3
DIBENZO(A,H)ANTHRACENE	ND	73	19
HEXACHLOROBENZENE	ND	73	14
INDENO(1,2,3-CD)PYRENE	ND	73	14
N-NITROSO-DI-N-PROPYLAMINE	ND	73	15
PENTACHLOROPHENOL	ND	360	21

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Job No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2946	Date Analyzed:	04/14/00 08:26
Lab Samp ID:	D030-09	Dilution Factor:	1
Lab File ID:	RDB119	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	16.0
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	39	17
BIS(2-CHLOROETHYL)ETHER	ND	39	5
DIBENZO(A,H)ANTHRACENE	ND	39	10
HEXACHLOROBENZENE	ND	39	7.6
INDENO(1,2,3-CD)PYRENE	ND	39	7.7
N-NITROSO-DI-N-PROPYLAMINE	ND	39	8
PENTACHLOROPHENOL	ND	200	11

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2948	Date Analyzed:	04/14/00 06:35
Lab Samp ID:	D030-11	Dilution Factor:	1
Lab File ID:	RDB116	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	10.0
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	37	16
BIS(2-CHLOROETHYL)ETHER	ND	37	4.7
DIBENZO(A,H)ANTHRACENE	ND	37	9.6
HEXACHLOROBENZENE	ND	37	7.1
INDENO(1,2,3-CD)PYRENE	ND	37	7.2
N-NITROSO-DI-N-PROPYLAMINE	ND	37	7.5
PENTACHLOROPHENOL	ND	180	10

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	NA
Lab Job No.	: 00D030	Date Extracted:	04/10/00 17:15
Sample ID:	MBLK1S	Date Analyzed:	04/14/00 02:17
Lab Samp ID:	SVD010SB	Dilution Factor:	1
Lab File ID:	RDB108	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	NA
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	33	14
BIS(2-CHLOROETHYL)ETHER	ND	33	4.2
DIBENZO(A,H)ANTHRACENE	ND	33	8.7
HEXACHLOROBENZENE	ND	33	6.4
INDENO(1,2,3-CD)PYRENE	ND	33	6.5
N-NITROSO-DI-N-PROPYLAMINE	ND	33	6.7
PENTACHLOROPHENOL	ND	170	9.3

PRL: Project Reporting Limit

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030A	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2941	Date Analyzed:	04/14/00 10:16
Lab Samp ID:	D030-04	Dilution Factor:	10
Lab File ID:	RDB122	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	18.7
Calib. Ref.:	RDB115	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	410	110
BIS(2-CHLOROETHYL)ETHER	ND	410	120
DIBENZO(A,H)ANTHRACENE	ND	410	110
HEXACHLOROBENZENE	ND	410	150
INDENO(1,2,3-CD)PYRENE	ND	410	110
N-NITROSO-DI-N-PROPYLAMINE	ND	410	140
PENTACHLOROPHENOL	ND	2000	49

PRL: Project Reporting Limit

Revised Report

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 000030A	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2943	Date Analyzed:	04/14/00 11:30
Lab Samp ID:	D030-06	Dilution Factor:	5
Lab File ID:	RDB124	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	14.1
Calib. Ref.:	RDB115	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	190	52
BIS(2-CHLOROETHYL)ETHER	ND	190	58
DIBENZO(A,H)ANTHRACENE	ND	190	52
HEXACHLOROBENZENE	ND	190	70
INDENO(1,2,3-CD)PYRENE	ND	190	52
N-NITROSO-DI-N-PROPYLAMINE	ND	190	64
PENTACHLOROPHENOL	ND	960	23

PRL: Project Reporting Limit

Revised Report

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	04/06/00
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/06/00
Batch No.	: 00D030A	Date Extracted:	04/10/00 17:15
Sample ID:	18609-2945	Date Analyzed:	04/14/00 12:43
Lab Samp ID:	D030-08	Dilution Factor:	5
Lab File ID:	RDB126	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	11.3
Calib. Ref.:	RDB115	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	190	51
BIS(2-CHLOROETHYL)ETHER	ND	190	56
DIBENZO(A,H)ANTHRACENE	ND	190	51
HEXACHLOROBENZENE	ND	190	68
INDENO(1,2,3-CD)PYRENE	ND	190	51
N-NITROSO-DI-N-PROPYLAMINE	ND	190	62
PENTACHLOROPHENOL	ND	930	23

PRL: Project Reporting Limit

Revised Report

METHOD 3550A/8270B SIM
SEMI VOLATILE ORGANICS BY GC/MS

Client	: IT CORPORATION	Date Collected:	NA
Project	: MCAS EL TORO/18609/D.O. 70	Date Received:	04/10/00
Batch No.	: 00D030A	Date Extracted:	04/10/00 17:15
Sample ID:	MBLK1S	Date Analyzed:	04/14/00 02:17
Lab Samp ID:	SVD010SB	Dilution Factor:	1
Lab File ID:	RDB108	Matrix :	SOIL
Ext Btch ID:	SVD010S	% Moisture :	NA
Calib. Ref.:	RDB096	Instrument ID :	T-003

PARAMETERS	RESULTS (ug/kg)	PRL (ug/kg)	MDL (ug/kg)
BENZO(A)PYRENE	ND	33	9
BIS(2-CHLOROETHYL)ETHER	ND	33	10
DIBENZO(A,H)ANTHRACENE	ND	33	9
HEXACHLOROBENZENE	ND	33	12
INDENO(1,2,3-CD)PYRENE	ND	33	9
N-NITROSO-DI-N-PROPYLAMINE	ND	33	11
PENTACHLOROPHENOL	ND	170	4

PRL: Project Reporting Limit

Revised Report

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: IT CORPORATION
PROJECT: MCAS EL TORO/18609/D.O. 70
BATCH NO.: 00D030A
METHOD: METHOD 3550A/8270B SIM

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	2	2		
SAMPLE ID:	MBLK1S				
LAB SAMP ID:	SVD010SB	SVD010SL	SVD010SC		
LAB FILE ID:	RDB108	RDB109	RDB110		
DATE EXTRACTED:	04/10/0017:15	04/10/0017:15	04/10/0017:15	DATE COLLECTED:	NA
DATE ANALYZED:	04/14/0002:17	04/14/0002:53	04/14/0003:30	DATE RECEIVED:	04/10/00
PREP. BATCH:	SVD010S	SVD010S	SVD010S		
CALIB. REF:	RDB096	RDB096	RDB096		

ACCESSION:

PARAMETER	BLNK RSLT (ug/kg)	SPIKE AMT (ug/kg)	BS RSLT (ug/kg)	BS % REC	SPIKE AMT (ug/kg)	BSD RSLT (ug/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
n-Nitrosodipropylamine	ND	3330	2820	85	3330	2880	86	2	27-135	30
Pentachlorophenol	ND	5000	3840	77	5000	3710	74	4	38-146	30

Appendix G
LDC Data Validation Report

LDC Report# 4614E8

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 29, 2000

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Extractables

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2799
18609-2800
18609-2801
18609-2802
18609-2803
18609-2804**
18609-2805
18609-2806
18609-2807
18609-2808
18609-2809
18609-2810
18609-2808MS
18609-2808MSD

**Indicates sample underwent NFESC Level D review

Introduction

This data review covers 14 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 modified for Total Petroleum Hydrocarbons (TPH) as Extractables.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as extractable contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. Surrogate recoveries (%R) were not within QC limits for sample 18609-2799. Since the sample was diluted out, no data were qualified.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No total petroleum hydrocarbons as extractables were detected in any of the samples with the following exceptions:

Compound	Concentration (mg/Kg)		RPD
	18609-2803	18609-2804**	
TPH as extractables	46	2100	191

X. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Total Petroleum Hydrocarbons as Extractables - Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

MCAS El Toro
Total Petroleum Hydrocarbons as Extractables - Laboratory Blank Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

LDC Report# 4614E7

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 29, 2000

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Gasoline

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2799
18609-2800
18609-2801
18609-2802
18609-2803
18609-2804**
18609-2806
18609-2808
18609-2810

**Indicates sample underwent NFESC Level D review

Introduction

This data review covers 9 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8015 modified for Total Petroleum Hydrocarbons (TPH) as Gasoline.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

Initial calibration of compounds was performed as required by the method.

The percent relative standard deviations (%RSD) of calibration factors for compounds were less than or equal to 20.0% .

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as gasoline contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

V. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VI. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VII. System Performance

The system performance was within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No total petroleum hydrocarbons as gasoline were detected in any of the samples.

X. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Total Petroleum Hydrocarbons as Gasoline - Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

MCAS El Toro
Total Petroleum Hydrocarbons as Gasoline - Laboratory Blank Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 30, 2000

Matrix: Soil/Water

Parameters: Chlorinated Pesticides

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2799
18609-2800
18609-2801
18609-2803
18609-2804**
18609-2806
18609-2808
18609-2810

**Indicates sample underwent NFESC Level D review.

Introduction

This data review covers 8 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8081 for Chlorinated Pesticides.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for the method stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of single and multicomponent compounds was performed for the primary (quantitation) column and confirmation column as required by this method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all compounds.

Retention time windows were evaluated and considered technically acceptable for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples on which a Level C review was performed.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Channel	Compound	%D	Associated Samples	Flag	A or P
2/12/00	WB07162B	B	Heptachlor delta-BHC 4,4'-DDD Methoxychlor Endrin ketone	22 16 15.1 39 21	18609-2810 CPA011WB(BLK)	J (all detects) UJ (all non-detects)	A
2/14/00	WB14004	B	Methoxychlor	28	18609-2797 18609-2803 18609-2804** 18609-2806 18609-2808 CPA013SB(BLK)	J (all detects) UJ (all non-detects)	A
2/15/00	WB14029B	B	Methoxychlor	24	18609-2799 18609-2800 18609-2801	J (all detects) UJ (all non-detects)	A

Retention times (RT) of all compounds in the calibration standards were within QC limits for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples on which a Level C review was performed.

The individual 4,4'-DDT and Endrin breakdowns were less than 15.0% .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No chlorinated pesticide contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

All target compound identifications were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XII. Compound Quantitation and Reported CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which an NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No chlorinated pesticides were detected in any of the samples.

XV. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Chlorinated Pesticides - Data Qualification Summary - SDG 00B049

SDG	Sample	Compound	Flag	A or P	Reason
00B049	18609-2810	Heptachlor delta-BHC 4,4'-DDD Methoxychlor Endrin ketone	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
00B049	18609-2797 18609-2799 18609-2800 18609-2801 18609-2803 18609-2804** 18609-2806 18609-2808	Methoxychlor	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)

MCAS El Toro
Chlorinated Pesticides - Laboratory Blank Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 23, 2000

Matrix: Soil/Water

Parameters: Volatiles

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2799
18609-2799RE
18609-2800
18609-2801
18609-2801RE
18609-2802
18609-2803
18609-2804**
18609-2806
18609-2808
18609-2810
18609-2811

**Indicates sample underwent NFESC Level D review

Introduction

This data review covers 11 soil samples and 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8260A for Volatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

Average relative response factors (RRF) for all semivolatile target compounds and system monitoring compounds were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

All of the continuing calibration RRF values were within validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Analysis Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
MBLK4S	2/15/00	Methylene chloride	2.2 ug/Kg	18609-2799RE 18609-2801RE 18609-2804** 18609-2806 18609-2808
MBLK5S	2/16/00	Methylene chloride	1.8 ug/Kg	18609-2800 18609-2802

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound TIC (RT in minutes)	Reported Concentration	Modified Final Concentration
18609-2801RE	Methylene chloride	2 ug/L	5.2U ug/L
18609-2804**	Methylene chloride	1.4 ug/L	6.1U ug/L
18609-2806	Methylene chloride	2.4 ug/Kg	7.2U ug/Kg
18609-2808	Methylene chloride	1.8 ug/Kg	5.6U ug/Kg
18609-2799RE	Methylene chloride	5.2 ug/Kg	6.9U ug/Kg
18609-2802	Methylene chloride	3.2 ug/Kg	6.9U ug/Kg
18609-2800	Methylene chloride	2.1 ug/Kg	6.4U ug/Kg

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the following exceptions:

Sample	Surrogate	%R (Limits)	Compound	Flag	A or P
18609-2799	Bromofluorobenzene	632 (65-135)	All TCL compounds	J (all detects)	A
18609-2801	1,2-Dichloroethane-d4	155 (52-149)	All TCL compounds	J (all detects)	A

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
18609-2801	Chlorobenzene-d5	657831 (962931-3851724)	2-Hexanone Tetrachloroethene Chlorobenzene Ethylbenzene Styrene Xylenes (total) Dibromochloromethane	J (all detects) UJ (all non-detects)	A
18609-2799RE	1,4-Difluorobenzene Chlorobenzene-d5 1,2-Dichlorobenzene-d4	612504 (674100-2696400) 488883 (671959-2687836) 205345 (314870-1259480)	All TCL compounds	J (all detects) UJ (all non-detects)	A
18609-2801RE	1,2-Dichlorobenzene-d4	206011 (314870-1259480)	1,1,2,2-Tetrachloroethane Bromoform	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XV. Overall Assessment of Data

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/Kg)		RPD
	18609-2803	18609-2804**	
Acetone	1.6U	21	200
Methylene chloride	1.6U	1.4	200

XVII. Field Blanks

Sample 18609-2811 was identified as a trip blank. No volatile contaminants were found in this blank.

MCAS El Toro
Volatiles - Data Qualification Summary - SDG 00B049

SDG	Sample	Compound	Flag	A or P	Reason
00B049	18609-2799 18609-2801	All TCL compounds	J (all detects)	A	Surrogate recovery (%R)
00B049	18609-2801	2-Hexanone Tetrachloroethene Chlorobenzene Ethylbenzene Styrene Xylenes (total) Dibromochloromethane	J (all detects) UJ (all non-detects)	A	Internal standards (area)
00B049	18609-2799RE	All TCL compounds	J (all detects) UJ (all non-detects)	A	Internal standards (area)
00B049	18609-2801RE	1,1,2,2-Tetrachloroethane Bromoform	J (all detects) UJ (all non-detects) J (all detects) UJ (all non-detects)	A	Internal standards (area)

MCAS El Toro
Volatiles - Laboratory Blank Data Qualification Summary - SDG 00B049

SDG	Sample	Compound TIC (RT in minutes)	Modified Final Concentration	A or P
00B049	18609-2801RE	Methylene chloride	5.2U ug/L	A
00B049	18609-2804**	Methylene chloride	6.1U ug/L	A
00B049	18609-2806	Methylene chloride	7.2U ug/Kg	A
00B049	18609-2808	Methylene chloride	5.6U ug/Kg	A
00B049	18609-2799RE	Methylene chloride	6.9U ug/Kg	A
00B049	18609-2802	Methylene chloride	6.9U ug/Kg	A
00B049	18609-2800	Methylene chloride	6.4U ug/Kg	A

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 24, 2000

Matrix: Soil/Water

Parameters: Semivolatiles

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2798
18609-2799
18609-2799DL
18609-2800
18609-2800DL
18609-2801
18609-2802
18609-2802DL
18609-2803
18609-2804**
18609-2805
18609-2806
18609-2807
18609-2808
18609-2809
18609-2810
18609-2805MS
18609-2805MSD

**Indicates sample underwent NFESC Level D review

Introduction

This data review covers 18 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270B for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

Average relative response factors (RRF) for all semivolatile target compounds and system monitoring compounds were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
2/16/00	Hexachlorocyclopentadiene	53.3	18609-2799DL 18609-2800DL 18609-2802DL	J (all detects) UJ (all non-detects)	A
2/14/00	Hexachlorobutadiene	20.2	All water samples in SDG 00B049	J (all detects) UJ (all non-detects)	A

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Extraction Date	Compound TIC (RT in minutes)	Concentration	Associated Samples
MBLK1W	2/11/00	Bis(2-ethylhexyl)phthalate	14 ug/L	All water samples in SDG 00B049

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>10X for common contaminants, >5X for other contaminants) than the concentrations found in the associated method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
18609-2802	Naphthalene-d8	1016057 (1038500-4153998)	Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Bis-(2-chloroethoxy) methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 4-Chloro-3-methylphenol 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

All target compound identifications were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XIII. Tentatively Identified Compounds (TICs)

Tentatively identified compounds were not reported by the laboratory.

XIV. System Performance

The system performance was within validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No volatiles were detected in any of the samples.

XVII. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Semivolatiles - Data Qualification Summary - SDG 00B049

SDG	Sample	Compound	Flag	A or P	Reason
00B049	18609-2799DL 18609-2800DL 18609-2802DL	Hexachlorocyclopentadiene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
00B049	18609-2810	Hexachlorobutadiene	J (all detects) UJ (all non-detects)	A	Continuing calibration (%D)
00B049	18609-2802	Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Bis-(2-chloroethoxy) methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 4-Chloro-3-methylphenol 2-Methylnaphthalene	J (all detects) UJ (all non-detects)	A	Internal standards (area)

MCAS El Toro
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 00B049

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: February 9, 2000

LDC Report Date: March 24, 2000

Matrix: Soil/Water

Parameters: Metals

Validation Level: NFESC Level C & D

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00B049

Sample Identification

18609-2797
18609-2798
18609-2799
18609-2800
18609-2801
18609-2802
18609-2803
18609-2804**
18609-2805
18609-2806
18609-2807
18609-2808
18609-2809
18609-2810
18609-2797MS
18609-2797MSD
18609-2806MS
18609-2806MSD

**Indicates sample underwent NFESC Level D review

Introduction

This data review covers 17 soil samples and one water sample listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Methods 6010 and 7000 for Metals. The metals analyzed were Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for the methods stated above.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from specified protocols or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XIII.

Samples indicated by a double asterisk on the front cover underwent a NFESC Level D review. A NFESC Level C review was performed on all of the other samples. Raw data were not evaluated for the samples reviewed by Level C criteria since this review is based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable.

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each analyte. No contaminant concentrations were found above the reporting limit in the initial, continuing and preparation blanks with the following exceptions:

Method Blank ID	Analyte	Maximum Concentration	Associated Samples
ICB/CCB1	Arsenic Barium Beryllium Manganese Thallium	3.32 ug/L 1.01 ug/L 1.30 ug/L 1.00 ug/L 6.17 ug/L	All soil samples in SDG 00B049

Sample concentrations were compared to the maximum contaminant concentrations detected in the ICB/CCB/PBs. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
18609-2797	Beryllium	0.299 mg/Kg	0.299U mg/Kg
18609-2798	Beryllium	0.496 mg/Kg	0.496U mg/Kg
18609-2800	Beryllium	0.635 mg/Kg	0.635U mg/Kg
18609-2801	Beryllium	0.473 mg/Kg	0.473U mg/Kg

Sample	Analyte	Reported Concentration	Modified Final Concentration
18609-2802	Beryllium	0.548 mg/Kg	0.548U mg/Kg
18609-2803	Beryllium	0.341 mg/Kg	0.341U mg/Kg
18609-2804**	Beryllium	0.311 mg/Kg	0.311U mg/Kg
18609-2805	Beryllium	0.454 mg/Kg	0.454U mg/Kg
18609-2806	Beryllium	0.316 mg/Kg	0.316U mg/Kg
18609-2807	Beryllium	0.301 mg/Kg	0.301U mg/Kg
18609-2808	Beryllium	0.278 mg/Kg	0.278U mg/Kg
18609-2809	Beryllium	0.471 mg/Kg	0.471U mg/Kg

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Matrix Spike Analysis

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Analyte	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
18609-2806MS/MSD (All soil samples in SDG 00B049)	Antimony	56 (80-120)	47 (80-120)	-	J (all detects)	A
	Barium	-	142 (80-120)	24 (≤20)	UJ (all non-detects)	
	Manganese	77 (80-120)	-	-		
	Zinc	75 (80-120)	68 (80-120)	-		
	Lead	-	69 (80-120)	27 (≤20)		

VI. Duplicate Sample Analysis

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Internal Standards

ICP-MS was not utilized in this SDG.

IX. Furnace Atomic Absorption QC

Graphite furnace atomic absorption was not utilized in this SDG.

X. ICP Serial Dilution

Although ICP serial dilution analysis was not required by the method, it was performed by the laboratory. The analysis criteria were met with the following exceptions:

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
18609-2806L	Manganese Zinc	13 (≤10) 13 (≤10)	All soil samples in SDG 00B049	J (all detects) J (all detects)	A

XI. Sample Result Verification

All sample result verifications met validation criteria for samples on which a NFESC Level D review was performed. Raw data were not evaluated for the samples reviewed by Level C criteria.

XII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

XIII. Field Duplicates

Samples 18609-2803 and 18609-2804** were identified as field duplicates. No metals were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/Kg)		RPD
	18609-2803	18609-2804**	
Arsenic	3.72	3.45	8
Barium	109	107	2
Beryllium	0.341	0.311	9

Analyte	Concentration (mg/Kg)		RPD
	18609-2803	18609-2804**	
Chromium	9.7	12.5	25
Cobalt	3.63	3.84	6
Copper	6.53	6.19	5
Lead	5.8	11.2	64
Manganese	211	188	12
Nickel	6.87	6.72	2
Vanadium	28.5	31.1	9
Zinc	36.8	39.2	6

XIV. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Metals - Data Qualification Summary - SDG 00B049

SDG	Sample	Analyte	Flag	A or P	Reason
00B049	18609-2797 18609-2798 18609-2799 18609-2800 18609-2801 18609-2802 18609-2803 18609-2804** 18609-2805 18609-2806 18609-2807 18609-2808 18609-2809	Antimony Barium Manganese Zinc Lead	J (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)(RPD)
00B049	18609-2797 18609-2798 18609-2799 18609-2800 18609-2801 18609-2802 18609-2803 18609-2804** 18609-2805 18609-2806 18609-2807 18609-2808 18609-2809	Manganese Zinc	J (all detects) J (all detects)	A	ICP serial dilution (%D)

MCAS El Toro
Metals - Laboratory Blank Data Qualification Summary - SDG 00B049

SDG	Sample	Analyte	Modified Final Concentration	A or P
00B049	18609-2797	Beryllium	0.299U mg/Kg	A
00B049	18609-2798	Beryllium	0.496U mg/Kg	A
00B049	18609-2800	Beryllium	0.635U mg/Kg	A
00B049	18609-2801	Beryllium	0.473U mg/Kg	A
00B049	18609-2802	Beryllium	0.548U mg/Kg	A
00B049	18609-2803	Beryllium	0.341U mg/Kg	A
00B049	18609-2804**	Beryllium	0.311U mg/Kg	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
00B049	18609-2805	Beryllium	0.454U mg/Kg	A
00B049	18609-2806	Beryllium	0.316U mg/Kg	A
00B049	18609-2807	Beryllium	0.301U mg/Kg	A
00B049	18609-2808	Beryllium	0.278U mg/Kg	A
00B049	18609-2809	Beryllium	0.471U mg/Kg	A

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: April 6, 2000

LDC Report Date: May 11, 2000

Matrix: Soil

Parameters: Semivolatiles

Validation Level: NFESC Level C

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00D030

Sample Identification

18609-2938
18609-2939
18609-2940
18609-2940DL
18609-2941
18609-2941DL
18609-2942
18609-2942DL
18609-2943
18609-2944
18609-2945
18609-2945DL
18609-2946
18609-2947
18609-2948
18609-2949
18609-2948MS
18609-2948MSD

Introduction

This data review covers 18 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270B for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

Average relative response factors (RRF) for all semivolatile target compounds and system monitoring compounds were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits with the following exceptions:

Sample	Internal Standards	Area (Limits)	Compound	Flag	A or P
18609-2940	Perylene-d12	519520 (659823-2639290)	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compound quantitation and CRQLs were within validation criteria with the following exceptions:

Sample	Compound	Finding	Criteria	Flag	A or P
18609-2940 18609-2941 18609-2942 18609-2945	2-Methylnaphthalene	Sample result exceeded calibration range.	Reported result should be within calibration range.	J (all detects)	A

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

XVII. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Semivolatiles - Data Qualification Summary - SDG 00D030

SDG	Sample	Compound	Flag	A or P	Reason
00D030	18609-2940	Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	J (all detects) UJ (all non-detects)	A	Internal standards (area)
00D030	18609-2940 18609-2941 18609-2942 18609-2945	2-Methylnaphthalene	J (all detects)	A	Compound quantitation and CRQLs

MCAS El Toro
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 00D030

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: April 6, 2000

LDC Report Date: May 12, 2000

Matrix: Soil

Parameters: Polynuclear Aromatic Hydrocarbons

Validation Level: NFESC Level C

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00D030

Sample Identification

18609-2938
18609-2940
18609-2942
18609-2944
18609-2946
18609-2948
18609-2948MS
18609-2948MSD

Introduction

This data review covers 8 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8270B using Selected Ion Monitoring (SIM) for Polynuclear Aromatic Hydrocarbons.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

Average relative response factors (RRF) for all target compounds and system monitoring compounds were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No polynuclear aromatic hydrocarbon contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogate spike data were not provided and therefore not reviewed.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

XVII. Field Blanks

No field blanks were identified in this SDG.

MCAS El Toro
Polynuclear Aromatic Hydrocarbons - Data Qualification Summary - SDG 00D030

No Sample Data Qualified in this SDG

MCAS El Toro
Polynuclear Aromatic Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG 00D030

No Sample Data Qualified in this SDG

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: MCAS El Toro

Collection Date: April 6, 2000

LDC Report Date: August 11, 2000

Matrix: Soil

Parameters: Semivolatiles

Validation Level: NFESC Level C

Laboratory: EMAX Laboratories, Inc.

Sample Delivery Group (SDG): 00D030

Sample Identification

18609-2941
18609-2943
18609-2945

Introduction

This data review covers 3 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per a modification of EPA SW 846 Method 8270B using Selected Ion Monitoring (SIM) for Semivolatiles.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999) as there are no current guidelines for the method stated above.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals. All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

Average relative response factors (RRF) for all semivolatile target compounds and system performance check compounds (SPCCs) were greater than or equal to 0.05 as required.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 20.0% for all calibration check compounds and less than or equal to 50.0% for all other compounds.

All of the continuing calibration RRF values were greater than or equal to 0.05 .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No semivolatile contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogate recoveries (%R) were not reported and therefore not reviewed.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment

Data flags have been summarized at the end of the report.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

XVII. Field Blanks

No field blanks were identified in this SDG.

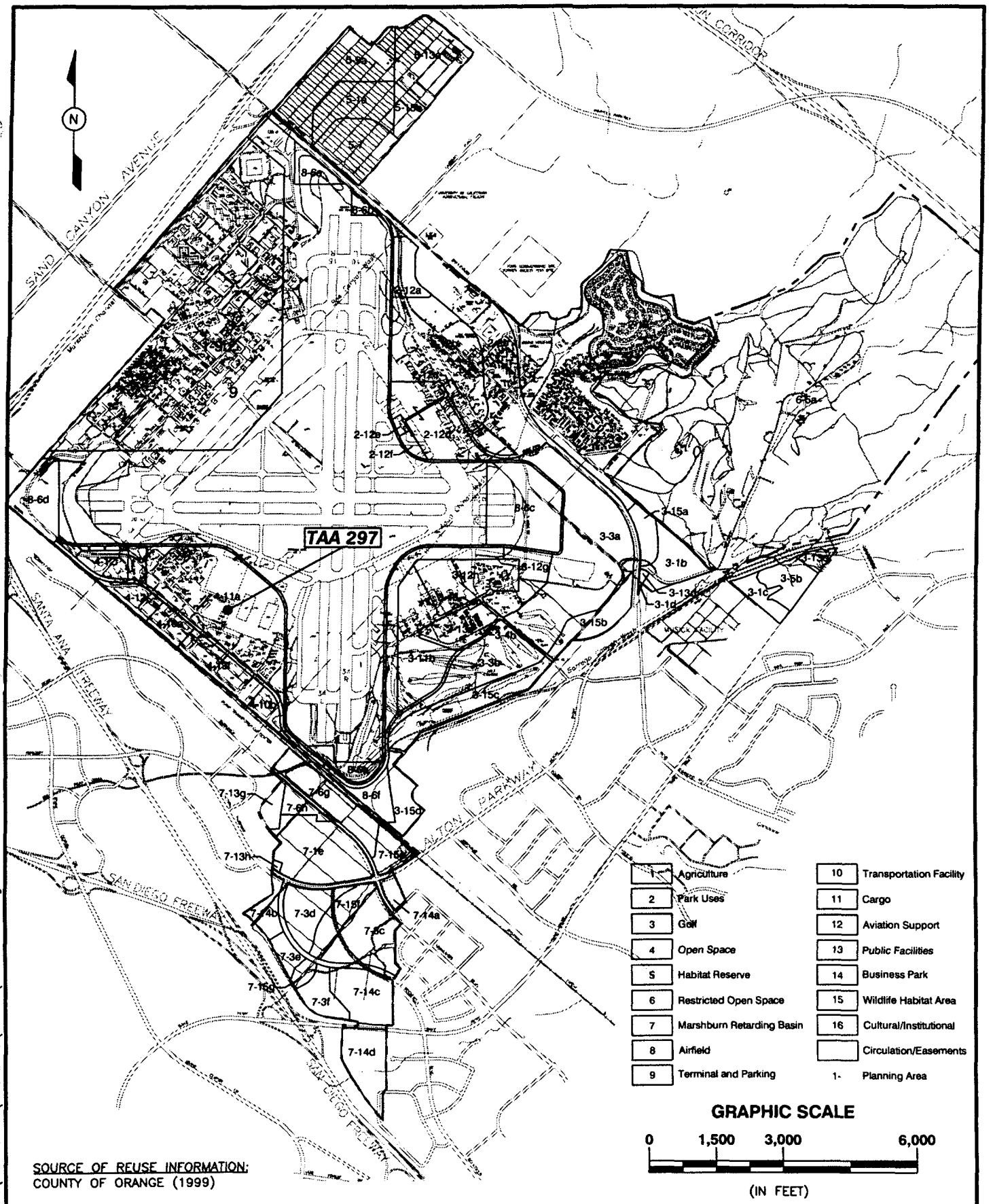
MCAS El Toro
Semivolatiles - Data Qualification Summary - SDG 00D030

No Sample Data Qualified in this SDG

MCAS El Toro
Semivolatiles - Laboratory Blank Data Qualification Summary - SDG 00D030

No Sample Data Qualified in this SDG

Appendix H
Tentative Reuse Parcel Location of TAA 297



SOURCE OF REUSE INFORMATION:
COUNTY OF ORANGE (1999)

OHM Remediation Services Corp. A Subsidiary of OHM Corporation SAN DIEGO, CA	DRAWN BY R. PIRMORADIAN	DATE 2/19/01	TENTATIVE REUSE PARCEL LOCATION TAA 297
	CHECKED BY J. Waters	DATE 3/12/01	
	APPROVED BY J. Waters	DATE 3/12/01	MARINE CORPS AIR STATION EL TORO, CALIFORNIA
CONTRACT NAME SWDIV	PROJECT MANAGER	DATE	

AUTOCAD FILE No.	PLOT SCALE	SHEET	OF	SCALE	DOCUMENT CONTROL No.	OHM PROJECT No.	FIGURE No.	REVISION
18609363E.DWG	1=1	1	1	1"=3000'	SW9597	18609	FIG 1	0

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