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SOIL AND GROUNDWATER INVESTIGATION REPORT
Former Precision Cast
1549 32nd Street
Oakland, California
Project Number 02-006-01

Prepared for:

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May 27, 2003

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CERTIFICATION

This Report for Soil and Groundwater Investigation for 1549 32nd Street, Oakland, California, has been prepared by ERAS Environmental, Inc. (ERAS) under the professional supervision of the Registered Geologist whose signature appears hereon.

This report was prepared in general accordance with the accepted standard of practice that exists in Northern California at the time the investigation was performed. Judgments leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies.

Our firm has prepared this report for the Client's exclusive use for this particular project and in accordance with generally accepted professional practices within the area at the time of our investigation. No other representations, expressed or implied, and no warranty or guarantee is included or intended.

This report may be used only by the client and only for the purposes stated within a reasonable time from its issuance. Land use, site conditions (both on-site and off-site) or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify ERAS of such intended use. Based on the intended use of report, ERAS may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release ERAS from any liability resulting from the use of this report by any unauthorized party.

Respectfully submitted,



David Siegel, Geologist, R.E.A.
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27 May 2003



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1.0 INTRODUCTION

The purpose of this investigation of the former Precision Casting foundry, located at 1549 32nd Street in Oakland, California (the Property), is to provide additional soil and groundwater analytical data toward achievement of site closure or no further action status with respect to contamination in soil and groundwater. The location of the Property is shown on **Figure 1**.

In a letter dated February 5, 2003, Mr. Barney Chan of the Alameda County Health Care Services Agency indicated that, based on the review of ERAS Environmental, Inc. (ERAS) *Technical Summary Report* (October 9, 2002), additional lateral and vertical investigation of the contamination at the Property would be required. ERAS proposed the drilling of eleven borings to delineate the extent of free product, and the lateral extent of soil and groundwater contamination in the *Work Plan for Soil and Groundwater Investigation* (February 28, 2003).

Mr. Chan approved the workplan with changes in his letter to Mr. Francis Rush, dated March 20, 2003. The changes Mr. Chan requested included investigation of the vaults in the northern part of the Property for the presence of contamination, test oil samples for poly-chlorinated biphenyls (PCBs) and poly-cyclic hydrocarbons (PAHs); if these compounds were found in the oil, then also analyze the soil and groundwater samples for PCBs and PAHs.

The scope of work performed for this investigation included the following tasks.

- ♦ Advanced seventeen soil borings using a Geoprobe™ direct-push soil-coring device. The soil borings were drilled to depths of approximately 3 to 20 feet below ground surface (bgs). Temporary piezometers were installed in three selected borings.

- Collected a soil sample from near the bottom of the vaults. Collected two soil samples and one groundwater grab-sample from each boring for chemical analyses.
- Collected samples from six underground vaults backfilled with sand or gravel. Five of the samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C and polychlorinated biphenyls (PCBs) by EPA Method 8082A.
- Analyzed soil and groundwater samples for total extractable petroleum hydrocarbons by EPA Method 8015-Modified; volatile organic compounds (VOCs) by EPA Method 8260B; and chromium, copper and nickel by EPA Method 200.7.
- Measured static depth to groundwater and surveyed top of casing elevations in the three temporary piezometers for delineation of the groundwater flow direction and gradient.
- Evaluated the findings from these activities and presented them in this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The current and planned layout of the Property at 1549 32nd Street, Oakland is shown on the site map on **Figure 2**. The Property was formerly operated as a steel foundry. The operation performed heat-treating of metal products. The current owner of the Property is planning to develop the site for occupancy as live/work residential space to be known as Precision Lofts. The part of the building in the central portion of the Property will be renovated with a parking garage on the ground floor and residences on the upper floor(s). The northern and southern portions of the Property will be developed with live/work spaces on the ground floor. The location of the planned development is superimpose on the existing site and is shown on **Figure 2**.

2.2 PREVIOUS INVESTIGATIONS

January 4, 2001, Phase I Environmental Site Assessment (ESA), conducted by Lumina Technologies (Lumina): Lumina indicated that the Property was developed with the current building in 1946. Lumina concluded that there was evidence of potential environmental impairment of the Property from prior operations, and recommended subsurface sampling to test for heavy metals and total petroleum hydrocarbons.

March 12, 2002, Review of Records at City of Oakland Fire Department Emergency Services Division, conducted by ERAS: The file for the Property contained a Hazardous Materials Business Plan (HMBP), dated July 18, 1997. The HMBP listed eight items stored at the Property that included a total of 990 gallons of liquid, 24,650 pounds of solid, and 275 cubic feet of gas. The hazardous materials inventory form listed the following:

chromium, 2 containers ~4,000 pounds
copper, 55 gallon container ~500 pounds
manganese, 55 gallon container ~500 pounds
nickel, two 55 gallon container ~1,000 pounds
urethane, 55 gallons
isopropyl alcohol, 55 gallons
acetylene
liquid petroleum gas
oxygen

Fire department inspection forms on file indicated that the Property contained a steel foundry since 1983. An inspection, dated October 15, 1996, indicated some resin was observed on the ground in the drum storage area. The fire department did not indicate this was a serious problem and did not require any investigation or further action. No other violations were noted in the file other than minor compliance issues, such as posting proper signs and labeling containers. The latest information, dated November 21, 2000, was another HMBP for Precision Casting that listed the same hazardous materials identified earlier and no hazardous waste.

1988, Soil Investigation, conducted by Property Contamination Control, Inc: Soil samples were collected from four soil borings drilled on the Property. Although the report did not include information regarding the location of these borings, the results indicated concentrations of methanol in soil ranging from 0.68 to 1.2 milligrams per kilogram (mg/Kg). Ethanol was also detected in one sample at a concentration of 0.68 mg/Kg. Metals were detected at concentrations below the total threshold limit concentrations (TTLCs). Analysis for solvents indicated the presence of 1,1-dichloroethene (1,1-DCE) at concentrations ranging from 0.0076 to 0.1849 mg/Kg.

The concentrations of 1,1-DCE detected in two samples collected from one of the borings (Boring B-4, samples collected at 5 and 10 feet below the ground surface (bgs)) were above the Regional Water Quality Control Board (RWQCB) Risk Based Screening

Level (RBSL) for 1,1-DCE for residential land use of 0.028 mg/Kg (RWQCB, Table B, December 2001).

2.2.1 Summary of Subsurface Investigations on The Property in 2002

The locations of the soil and groundwater samples collected during investigations described below are included in **Figure 2**. Tables and Figures showing the results of the previous investigations conducted in 2002 are included in **Appendix A**.

March 27, 2002, Limited Phase 2 Soil Investigation, conducted by ERAS: Four soil borings were dug to about 3 feet bgs using a hand auger. The results of the laboratory analysis of soil samples collected by ERAS from the bottom of each boring indicated elevated concentrations of total recoverable petroleum hydrocarbons (TRPH) in three out of four samples (Borings SB-1, SB-3 and SB-4). The sample collected in the southwest portion of the Property (Boring SB-2) was not found to contain detectable concentrations of TRPH or TPH-g.

The concentrations of TRPH were above the RBSLs for TRPH of 500 milligrams per kilogram (mg/Kg) in the samples collected from borings drilled in the northern (Boring SB-1), central (Boring SB-3), and south-central (Boring SB-4) portions of the site. The concentrations of TPH-g, and benzene, toluene, ethyl benzene and xylenes (BTEX) were below the RBSLs for those respective constituents. During the investigation, a 4-inch diameter well pipe was observed near the location of Boring SB-3 (Pit B. See figure in **Appendix A**). The well pipe was assumed to access an underground storage tank (UST). ERAS recommended the UST be removed.

November 21, 2002, Oil Sample Collection and Analysis, conducted by ERAS: ERAS collected a sample of oil from the excavation pit located near the southeast corner of the building. The oil sample was shipped to Friedman and Bruya, environmental chemists in Seattle, Washington. The analysis of the oil indicated it was similar to mineral oil, foundry quenching oil or similar material. The predominant composition of

hydrocarbons was near n-C₂₁. This peak correlates to a boiling temperature range near 360 degrees centigrade. The laboratory analysis indicates the product sampled at the Property is heavier than gasoline or diesel fuel hydrocarbons and is in the range of total oil and grease or total recoverable petroleum hydrocarbons.

April 15, 2002, Excavation Activities, conducted by Environmental Restoration Services (Enrest): During this work, Enrest found that the well pipe discovered previously by ERAS was actually a waste percolation well. The well extended to 7 feet bgs and was perforated at the bottom 18 inches. The base of the well was encased in drain rock that extended from 5 to 10 feet bgs. A representative of the Oakland Fire Department (OFD) requested that further soil be removed in the vicinity of the percolation well. On April 26, 2002, Enrest demolished the concrete lining of Pit B and excavated soil to 12 feet bgs. An excavation sidewall soil sample (SS-N) was collected near the top of groundwater at 10 feet bgs, and was found to contain 3,300 mg/Kg total petroleum hydrocarbons as motor oil (TPH-mo), 0.013 mg/Kg 1,2-DCB and 0.025 mg/Kg naphthalene, but no detectable concentrations of BTEX. An oily sheen was noted on groundwater that entered into the excavation pit. Enrest also excavated casting sand backfill from Pit A and Pit C and collected sand samples (see figure in **Appendix A**).

April 26, 2002, Soil Sampling, conducted by Enrest: Enrest drilled seven borings using a Geoprobe rig (Borings SB-1 through SB-6 and P/A, see **Figure 2** and **Appendix A**). A soil sample was collected from Boring P/A at 8 feet bgs and was analyzed for volatile organic compounds (VOCs). It was found to contain 0.014 mg/kg 1,2-DCB but no detectable concentrations of BTEX.

Boring SB-6 was found to contain free-floating oil. Analysis of the oil indicated concentrations of benzene, toluene and xylenes (BTX), 1,2-DCB, and naphthalene above the RBSLs for these constituents in soil. The oil sample was also reportedly analyzed for polychlorinated biphenyls (PCBs), but the report did not contain a copy of the results of that analysis. Analysis of groundwater samples collected from Borings SB-1 through SB-5 indicated the concentrations of 1,2-DCB, BTX, and naphthalene were below the detection limits.

During the work in April 2002, Enrest noticed another 4-inch diameter well pipe near the southeast corner of the building.

May 21, 2002, Soil Excavation and Groundwater Grab-Sampling, conducted by Enrest:
Enrest excavated soil in the area of Boring SB-6 and around the second 4-inch diameter pipe discovered previously. Borings SP-1, SP-2 and SP-3 were drilled for the collection of groundwater samples, at locations north, west, and south, respectively, of Boring SB-6.

The 4-inch diameter pipe was found to be another waste percolation well, constructed in a similar manner as the one near Pit B. A sidewall soil sample (Source Pt on the figure in **Appendix A**) was collected at 7 feet bgs, near the top of groundwater, from the south wall of the excavation around the waste percolation well. This sample contained elevated concentrations of TPH-mo (20,800 mg/Kg) but no detectable concentrations of BTEX. Free-floating oil accumulated to a thickness of about 3/8-inch in the excavation pit and was removed using a wet-vacuum prior to the collection of a sample of the standing groundwater. This sample was analyzed for VOCs only, and was found to contain only low concentrations of some compounds. However, because the top of groundwater in an open pit was subjected to a vacuum immediately prior to sample collection, which may have aerated the top of the groundwater, the usefulness of analysis of this sample for volatile compounds is uncertain and the results may be suspect.

Groundwater samples from Borings SP-1, SP-2 and SP-3, and the location designated Source, all within the estimated area of floating oil, contained high levels of TPH-mo (up to 5,780,000 micrograms per liter ($\mu\text{g/L}$)). Concentrations of BTEX and solvents were much lower and below the RWQCB RBSLs except for the sample from Boring SP-3, which was found to contain benzene, xylenes, 1,2-dichlorobenzene, and naphthalene above the RWQCB RBSLs.

3.0 FIELD ACTIVITIES

The additional field sampling involved in this investigation of the Property was designed to delineate the extent of any existing free hydrocarbon product, and the lateral and vertical extent of soil and groundwater contamination. The soil boring and groundwater sample locations are shown on **Figure 2**. ERAS proposed two temporary piezometer locations along the south side of the building. ERAS was not able to drill these borings because stacks of 60-foot shipping containers blocked access to these locations. Therefore a piezometer was installed in boring E-12 to provide a third groundwater elevation point.

ERAS obtained a drilling permit from the Alameda County Public Works Department. A copy of the permit is included in **Appendix B**. In addition, ERAS prepared a project-specific Site Safety Plan. The boring locations were marked and Underground Service Alert was notified of the subsurface work at least two days prior to drilling. This allowed the various utilities with underground lines in the area to mark their line locations before final clearance. Prior to drilling activities, Subdynamic Locating Service, a private underground line location contractor, was used to give final clearance for each soil boring location.

During drilling activities, all drilling and sampling equipment was steam-cleaned between borings. Soil and groundwater sampling equipment was decontaminated between samples using Liquinox non-phosphate detergent and de-ionized water. Soil cuttings and decontamination water were temporarily stored in 55-gallon drums at the Property until proper disposal. All samples collected were stored in a cooler with ice and transferred under chain-of-custody procedures to a State-certified environmental laboratory for chemical analyses. The samples were submitted to Entech Analytical Labs, Inc., of Santa Clara, California.

After the depth to groundwater measurements were collected and the piezometer casings were removed, all the soil borings were grouted to the ground surface with neat cement.

3.1 SAMPLES FROM VAULTS

The contents of six subsurface concrete vaults at the Property were sampled. The tops of the vaults were cored with a diamond core drill by Osborne Concrete Coring, and then 2-inch diameter boreholes were advanced into the vaults using a Geoprobe™ direct-push coring device.

The tops of the vaults were approximately 6 to 7-inches thick concrete. The vaults were filled with poorly-graded sand. The vault bottoms appeared to be concrete, with or without a plastic liner on the inside. The Geoprobe™ met refusal at the bottom of the vaults. Samples of the material contained within the vaults were submitted for laboratory analysis from near the bottoms of the vaults or from zones of visible contamination.

Oil samples were collected for analysis from one of the open pits (Pit D) inside the building. Separate phase hydrocarbons were skimmed from the surface of the water filled pit, decanted into sample containers and submitted for analysis.

3.2 SOIL BORINGS AND SAMPLES

A total of eleven, two-inch diameter boreholes were advanced to depths of approximately 16 to 20 feet below ground surface (ft bgs) using a Geoprobe™ direct-push coring device. If groundwater production from the boring was slow when drilled to 16 feet bgs, it was extended to 20 feet bgs to expose more of the water-bearing zone.

The borings were advanced through the surface paving or through the concrete floors within the structures at the Property. Soil cores were continuously sampled for lithologic description and possible chemical analyses. In each soil boring, a shallow soil sample and a deeper soil sample were collected for chemical analyses. Discoloration of soils and odors were noted on the lithologic logs. Selected samples of soil were screened for total organic vapors using a photo-ionization detector (PID). The soil boring logs are included in **Appendix C**.

The soil samples were analyzed for VOCs by EPA Method 8260B, Total Petroleum Hydrocarbons quantified as Gasoline (TPH-G) by Method GC-MS, TPH by EPA Method 8015 Modified, and Chromium, Copper and Nickel by EPA Method 200.7.

3.3 GROUNDWATER SAMPLES

The soil borings were advanced to approximately 16 to 20 feet bgs and a groundwater grab sample was collected from the top of the water-bearing zone. Slotted PVC casing was inserted into the boring and a groundwater sample was obtained by bailing using new poly-tetrafluoroethylene (PTFE) tubing with a ball-cock at the bottom. Groundwater was bailed directly into laboratory supplied sample containers. In the case of Boring E-13, a Hydropunch-type groundwater sampler was driven to 20 feet bgs, because the boring would not stay open, thus preventing the insertion of the slotted casing. A two-foot interval of the Hydropunch sampler screen was exposed at 18 to 20 feet bgs and a groundwater grab-sample was collected in the same manner as described above.

During the collection of the groundwater samples, if the recharge of the boring was slow when drilled to 16 feet bgs, it was extended to 20 feet bgs to expose more of the water-bearing zone. The borings that did not produce adequate volumes of groundwater to fill a complete set of groundwater sample containers initially, were temporarily cased, so

that the remainder of the sample containers could be filled at a later time after adequate recharge.

The groundwater samples were analyzed for VOCs by EPA Method 8260B, TPH-G by Method GC-MS, TPH by EPA Method 8015 Modified, and Chromium, Copper and Nickel by EPA Method 200.7.

4.0 RESULTS OF INVESTIGATION

4.1 GROUNDWATER ELEVATION MONITORING

In the Workplan prepared by ERAS, four boring locations were proposed to be used for piezometers for measuring groundwater levels, as well as for soil and groundwater sampling. During the field work, stacks of 60-foot shipping containers blocked access to two of these locations along the south side of the main foundry building. A piezometer location at the southwestern Property boundary was chosen as a substitute for the two inaccessible locations.

Temporary PVC casings were installed in two borings located outside the building at the northern- and southernmost extremities of the investigation (Borings PZ-1 and E-12, renamed PZ-3) and another casing was installed in Boring PZ-2, located inside the building. The ~~3/4-inch diameter casing was set to about 16 or 20 feet bgs with a screened interval from 5 to 15 (or 19) feet bgs.~~ After allowing the piezometers to equilibrate for at least 24 hours after the groundwater samples were collected, the depth to static water was measured.

On April 9, 2003, ERAS recorded the depth to water in the three temporary piezometers installed at the Property. The elevations of the piezometers and two other borings, were surveyed to the nearest 0.01-foot with respect to City of Oakland Benchmark 269, by James W. Rasp, P. E. The results are summarized in the table below.

Piezometer ID	Date Measured	Recorded Depth to Water (ft)	Surveyed Elevation (ft - msl)	Groundwater Elevation (ft)
PZ-1	April 9, 2003	6.20	4.31	-1.89
PZ-2	April 9, 2003	4.81	5.34	+0.53
E-12	April 9, 2003	5.14	3.74	-1.40

The groundwater elevations measured on April 9, 2003, in the borings drilled and temporary piezometers installed at the Property are shown in **Figure 3**. Based on these results, the groundwater flow direction is interpreted to be to the [REDACTED] northwest at a gradient of 0.03 feet per foot (ft/ft). At Piezometers PZ-1 and PZ-3, the groundwater elevations are relatively similar, both being less than two feet below mean sea level (msl). These negative values may be due to tidal influences from the nearby San Francisco Bay.

4.2 RESULTS OF VAULT SAMPLING

A sample of material contained within each of the six vaults and one pit at the Property were collected and submitted for chemical analyses. All samples, except the Vault G (which was treated as a soil sample) were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270C and Polychlorinated Biphenyls (PCBs) by EPA Method 8082A. In addition, all the samples collected from the vaults were analyzed for Total Extractable Petroleum Hydrocarbons (TPH) by EPA Method 8015 Modified.

The sands and gravels in the vaults were covered with oil. It was planned that the laboratory personnel would take a sample of pure oil from the surface of the sand for analyses. It was clear that the sample from vault C did not contain enough oil for separation, and was therefore submitted as a soil sample which would involve crushing and analyses of matrix material. Unfortunately, the volume of oil in all the vault

samples was insufficient for analysis as discrete oil samples, and therefore all of the vault samples were analyzed as solid (soil) samples.

The sample collected from Vault F contained TPH quantified as Motor Oil at a concentration of 93 milligrams per kilogram (mg/Kg). The sample collected from Vault I contained TPH quantified as Diesel at a concentration of 1,100 mg/Kg. The samples collected from Vaults E, G, H, I and J contained TPH quantified as Hydraulic Oil at concentrations ranging from 18 to 43,000 mg/Kg. The laboratory analytical results for TPH in Vaults are shown in **Table 1 and Figure 4**. Concentrations of VOCs, PAHs or PCBs were not detected above the laboratory method reporting limits in any of the samples collected from the vaults.

As discussed earlier in Section 2.2.1 of this report, ERAS collected a sample of oil from Pit D on November 21, 2002. The oil sample was shipped to Friedman and Bruya, environmental chemists in Seattle, Washington. The analysis of the oil indicated it was similar to mineral oil, foundry quenching oil or similar material. The predominant composition of hydrocarbons was near n-C₂₁, which correlates to a boiling temperature range near 360 degrees centigrade, and is in the range of total oil and grease or total recoverable petroleum hydrocarbons. During this investigation, ERAS collected another sample of oil from Pit D and submitted it for additional analyses. The sample collected from Pit D did not contain concentrations of VOCs, PAHs or PCBs above the laboratory method reporting limits.

4.3 RESULTS OF SOIL BORING AND SAMPLING

The subsurface conditions encountered in all the borings drilled for this investigation consisted predominantly of sandy and/or clayey silts to the total depths explored. Subordinate areas containing sandy and gravelly materials were encountered in several of the borings at the ground surface and at varying depths. Any discoloration of soils or odors was noted on the lithologic logs. Selected samples of soil were screened during

the field work for total organic vapors using a PID. No organic vapors were detected in the soil samples. The Boring Logs are included in **Appendix C**.

TPH

The soil samples collected from Borings E-5 at 2.5 to 3.5 ft bgs, E-7 at 4.0 to 5.0 ft bgs, E-8 at 4.0 to 5.0 ft bgs, E-10 at 3.0 to 4.0 ft bgs, and E-11 at 4.0 to 4.5 ft bgs, contained TPH quantified as Gasoline at concentrations ranging from 51 to 310 micrograms per kilogram ($\mu\text{g}/\text{Kg}$).

The soil samples collected from Borings PZ-1 at 3.0 to 3.5 ft bgs and 11.0 to 12.0 ft bgs, E-5 at 11.0 to 12.0 ft bgs, E-7 at 4.0 to 5.0 ft bgs, E-8 at 11.0 to 12.0 ft bgs, E-11 at 10.0 to 11.0 ft bgs, and E-13 at 2.0 to 3.0 ft bgs, contained TPH quantified as Diesel at concentrations ranging from 2.6 to 12 mg/Kg .

The soil samples collected from Borings PZ-2 at 1.0 to 2.0 ft bgs and 11.5 to 12.0 ft bgs, E-5 at 2.5 to 3.5 ft bgs, E-6 at 4.0 to 5.0 ft bgs and 8.5 to 9.0 ft bgs, E-9 at 1.0 to 2.0 ft bgs, E-10 at 3.0 to 4.0 ft bgs and 11.0 to 12.0 ft bgs, and E-11 at 4.0 to 4.5 ft bgs, contained TPH quantified as Hydraulic Oil at concentrations ranging from 20 to 3,700 mg/Kg . No concentrations of TPH were detected above the laboratory method reporting limits in any of the other soil samples submitted.

VOCs

The soil sample collected from Boring E-5 at 2.5 to 3.5 ft bgs contained 1,2,4-Trimethylbenzene (1,2,4-TMB) at a concentration of 20 $\mu\text{g}/\text{Kg}$ and 1,3,5-Trimethylbenzene (1,3,5-TMB) at a concentration of 13 $\mu\text{g}/\text{Kg}$. The soil sample collected from Boring E-10 at 3.0 to 4.0 ft bgs contained 1,2,4-TMB at a concentration of 15 $\mu\text{g}/\text{Kg}$ and 1,3,5-TMB at a concentration of 17 $\mu\text{g}/\text{Kg}$.

The soil sample collected from Boring E-11 at 4.0 to 4.5 ft bgs contained 1,2-Dichlorobenzene (1,2-DCB) at a concentration of 53 $\mu\text{g}/\text{Kg}$, 1,4-Dichlorobenzene (1,4-DCB) at a concentration of 5.7 $\mu\text{g}/\text{Kg}$, and Chlorobenzene at a concentration of 5.7 $\mu\text{g}/\text{Kg}$.

The soil sample collected from Boring E-10 at 3.0 to 4.0 ft bgs contained Toluene at a concentration of 15 µg/Kg.

The soil sample collected from Boring E-5 at 2.5 to 3.5 ft bgs contained Total Xylenes at a concentration of 23 µg/Kg. The soil sample collected from Boring E-10 at 3.0 to 4.0 ft bgs contained Total Xylenes at a concentration of 13 µg/Kg.

The soil sample collected from Boring E-10 at 11.0 to 12.0 ft bgs contained Methylene Chloride at a concentration of 27 µg/Kg.

The soil sample collected from Boring E-5 at 2.5 to 3.5 ft bgs contained Naphthalene at a concentration of 150 µg/Kg. The soil sample collected from Boring E-9 at 1.0 to 2.0 ft bgs contained Naphthalene at a concentration of 23 µg/Kg. The soil sample collected from Boring E-10 at 3.0 to 4.0 ft bgs contained Naphthalene at a concentration of 84 µg/Kg. The soil sample collected from Boring E-11 at 4.0 to 4.5 ft bgs contained Naphthalene at a concentration of 5.9 µg/Kg.

No other VOCs were detected above the laboratory method reporting limits in any of the other soil samples submitted. The laboratory analytical results for TPH and VOCs in soil are shown in **Table 2**. The laboratory analytical results for TPH in soil are also shown on **Figure 5**.

Metals

Concentrations of chromium were detected in all the soil samples at levels ranging from 25 to 46 mg/Kg. Concentrations of copper were detected in all the soil samples at levels ranging from 9.1 to 30 mg/Kg. Concentrations of nickel were detected in all the soil samples at levels ranging from 17 to 130 mg/Kg. The laboratory analytical results for chromium, copper and nickel in soil are shown in **Table 3**.

4.4 RESULTS OF GROUNDWATER SAMPLING

Based on the information from the previous subsurface investigations conducted at the Property, it was estimated that groundwater would be encountered at depths of approximately 7-8 feet bgs. During this investigation, initial groundwater was encountered between 10 and 20 feet bgs. Groundwater stabilized at depths between 5 and 6 feet bgs after approximately 24 hours. No indication of separate phase hydrocarbons was noted in the groundwater sampled from the borings.

TPH

The groundwater sample collected from Boring E-6 contained TPH quantified as Diesel at a concentration of 130 micrograms per liter ($\mu\text{g/L}$). The groundwater samples collected from Borings E-9 and E-10 contained TPH quantified as Hydraulic Oil at concentrations of 890 and 670 $\mu\text{g/L}$, respectively. No concentrations of TPH were detected above the laboratory method reporting limits in any of the other groundwater samples submitted. The laboratory analytical results for TPH in groundwater are shown in **Table 4**. The laboratory analytical results for TPH in groundwater are also shown on **Figure 6**.

VOCs

No VOCs were detected above the laboratory method reporting limits in any of the groundwater samples submitted.

Metals

Concentrations of chromium were detected in all the groundwater samples at levels ranging from 0.40 to 3.0 milligrams per liter (mg/L). Concentrations of copper were detected in all the groundwater samples at levels ranging from 0.32 to 3.6 mg/L . Concentrations of nickel were detected in all the groundwater samples at levels ranging from 0.46 to 7.2 mg/Kg . The laboratory analytical results for chromium, copper and nickel in groundwater are shown in **Table 5**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 DISCUSSION OF RESULTS

5.1.1 Total Petroleum Hydrocarbons

5.1.1.1 Vault Samples

Six samples of oil covered sand or gravel from vaults were analyzed for Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M. The analyses indicate that all the vaults but one contained only or predominantly hydraulic oil. The last vault (Vault F) located in the northern portion of the building contained motor oil.

5.1.1.2 Groundwater Samples

In groundwater samples from the current investigation, only concentrations of TPH-hydraulic oil exceeded the RWQCB Risk-Based Screening Levels (RBSLs) for groundwater that is not potential drinking water (640 µg/L for hydraulic oil). The Figure *Estimated Extent of TPH in Groundwater* shows the estimated horizontal extent of concentrations of dissolved TPH-hydraulic oil above 640 µg/L. (Note: this RBSL is based on threat to aquatic life. The ceiling value RBSL based on odor etc is 5,000 µg/L). This figure shows two areas of concern, the area in the north portion of the current building, and the other near the southeast corner of the current building. The inferred contours incorporate results from both the current investigations and previous investigations. The area of TPH in groundwater above the RBSL does not appear to have advanced offsite to the west, and only a short distance to the east.

5.1.1.3 Soil Samples

In soil samples from the current investigation, only concentrations of TPH-hydraulic oil exceeded the RWQCB Risk-Based Screening levels for soil contamination that may leach to groundwater (1,000 mg/kg for hydraulic oil). The attached Figure *Estimated Extent of TPH in Soil* shows the area in which soil is estimated to contain concentrations of TPH-hydraulic oil above 1,000 mg/kg. These areas incorporate

analytical results from the current investigation as well as results of previous investigations. The figure shows two areas of concern, the area in the northern area of the building around boring E-5, and an area covering the south-east and central portions of the current building.

5.1.2 Metals

The soil and groundwater samples were analyzed for chromium, copper and nickel. None of the soil samples were found to contain concentrations of these metals above the Oakland surface soil RBSLs for residential land use. However, two of the groundwater samples (E-5 and E-7) were found to exceed the Oakland RBSLs for chromium and copper, and all groundwater samples were found to exceed the Oakland RBSL for nickel. The analytical results for nickel did not show a correlation between the nickel concentrations in soil and groundwater samples collected from the same boring.

The Figure *Estimated Extent of Nickel in Groundwater* is attached to this letter. The areas of highest nickel concentration in groundwater are in the northern and central portions of the site and seem to echo the distribution of TPH-hydraulic oil in groundwater, therefore residual oil in the soil appears to be the most likely source of nickel in groundwater. Only the vault sample Vault G was tested for metals, and was found to contain some nickel. The figure shows that the area of dissolved nickel above the Oakland RBSL (0.1 mg/L) appears to have advanced only a short distance offsite. ?

5.1.3 Other Suspected contaminants

None of the vault samples were found to contain PCBs, PAHs or VOCs. Some VOCs were detected in soil and groundwater samples. However, only one compound, methylene chloride, was detected at a concentration (27 µg/L) in soil collected from 11 feet bgs in E-10 above to Oakland RBSL for ingestion of groundwater impacted by leachate (8.2 µg/L). All VOCs detected in groundwater samples, including methylene

chloride, were found at concentrations below Oakland residential RBSLs, for those compounds for which RBSLs exist.

5.2 RECOMMENDATIONS

The estimated areas of soil and groundwater contamination above the RBSLs show that contamination does not appear to have advanced far offsite to the west. Thus, ERAS does not believe this contamination is likely to advance much further down-gradient in the future. Therefore, ERAS recommends removal of contaminated soil that appears to be the source of contamination to the groundwater. The attached Figure *Proposed Area of Excavation* shows proposed excavation and confirmatory soil sample locations that is estimated will remove the soil with TPH-hydraulic oil concentrations above 1,000 mg/kg, ~~except where limited to the east by the property boundary~~. This target concentration is based on the RWQCB RBSL for soil contamination leaching to groundwater that is not potential drinking water, and on a telephone conversation between Barney Chan of ACDHS and David Siegel of ERAS on 14 March 2003. It is assumed that the removal of residual TPH in the soil will also remove the bulk of the source of metals to the groundwater.

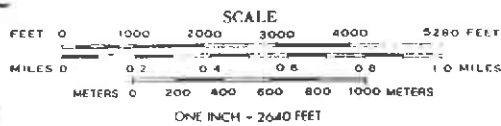
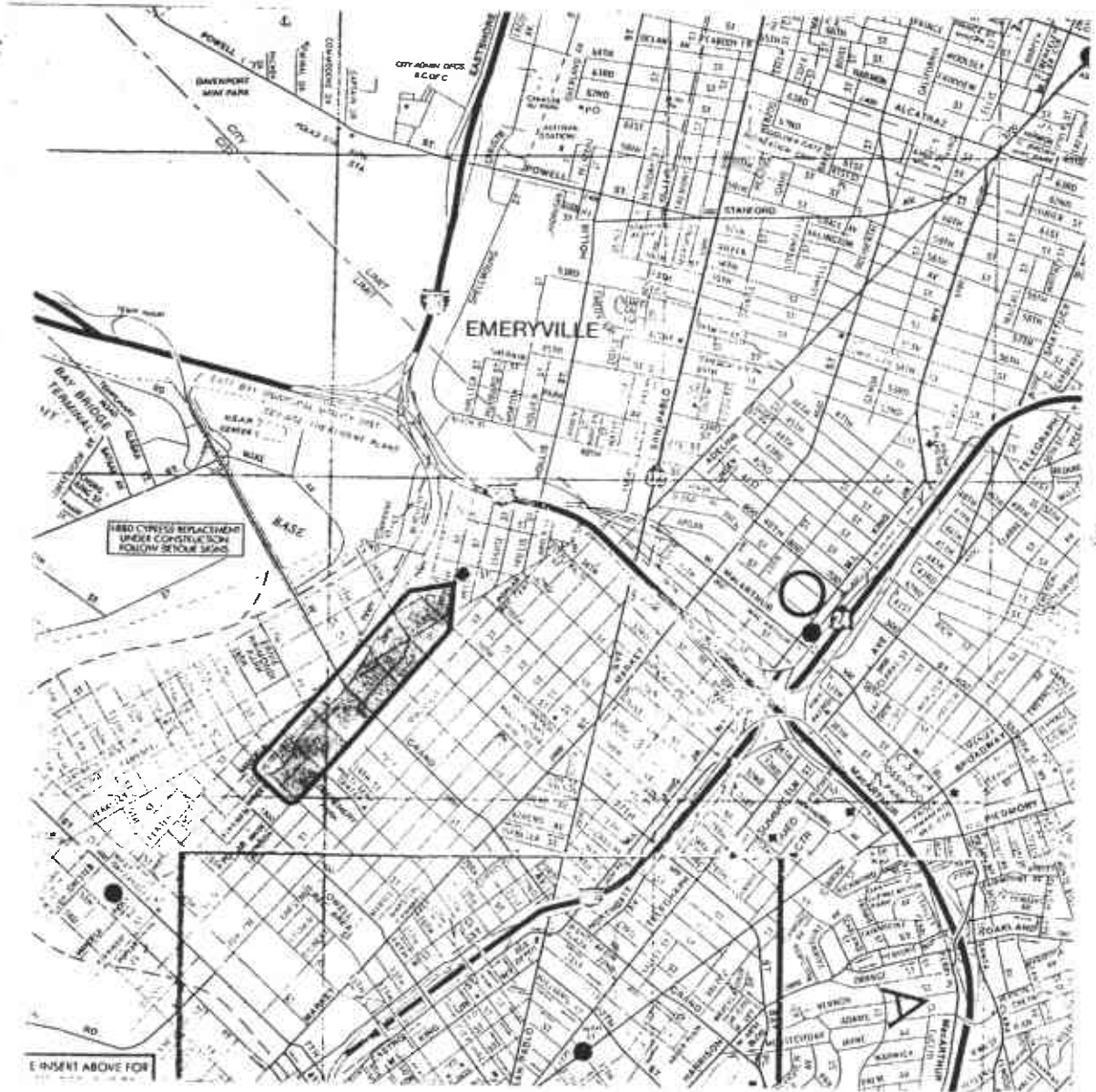
The recommended excavation includes removal of all of the vaults. Note the figure indicates the soil that might have to be removed. The actual extent will be based on visual observations and confirmation sampling that should be performed as the remediation project proceeds. Soil should be removed as close to the building walls as is safe to protect the stability and integrity of the structure. In addition, there is a line of roof support columns that trend east-west across the southern end of the building. Excavation activities should not undermine these column footings.

The initial soil excavation should be dug to a minimum of 7 feet bgs and maximum of 9 feet bgs before confirmation soil samples are collected from the pit floor. The horizon of the highest TPH concentrations appears to be about 7 feet bgs. Therefore, sidewall

samples should be collected a 7 feet bgs, unless field observation such as hydrocarbon staining indicates the highest TPH concentrations may be at a different depth in certain areas. Confirmations should also be taken along walls within the excavation, such as those acting as pillar support, to indicate contaminant concentrations of soil that was left in place for structural safety.

Confirmation samples should be analyzed for Fuel Scan – Extractable by EPA Method 8015 modified. If TPH above 1,000 mg/kg is detected in confirmation samples, excavation should continue in those directions unless limited by the presence of a building wall or the property boundary. Based upon the presence of methylene chloride above the RBSL in soil sample E-10 at 11 feet bgs, confirmatory sample collection in the excavation near the southeast corner of the building should be tested for VOCs by EPA Method 8260.

?
Just SE



Base Map: AAA Street Map Oakland, CA

SITE LOCATION MAP

DATE
10/02
REVIEWED BY
DS

FORMER PRECISION CAST
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-01
FIGURE
1

ERAS Environmental Inc.

32ND STREET

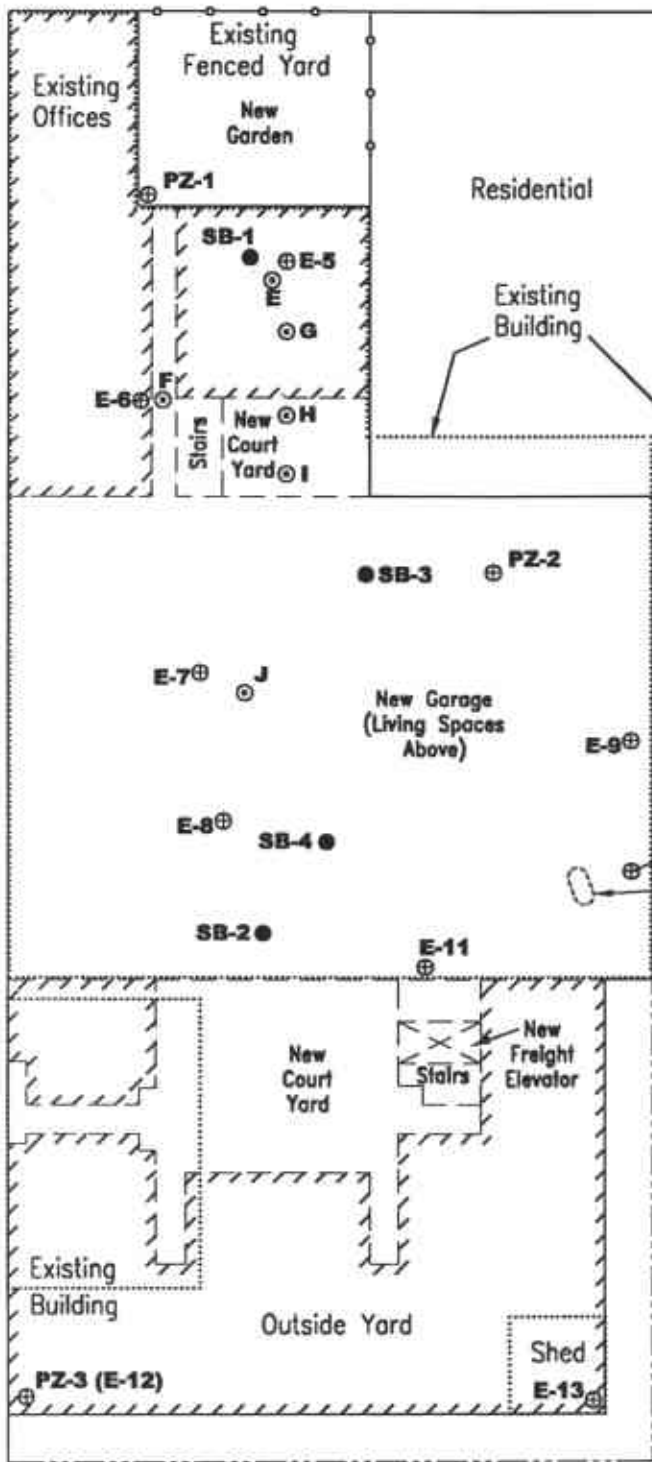
Sidewalk

EXPLANATION

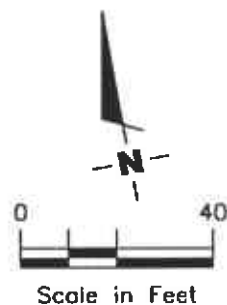
- Soil Boring ERAS Enviro
- ⊕ New soil boring & peizometer by ERAS Enviro
- ⊙ Boring into vault
- ┌ New Proposed Building Footprint
- └ Ground Floor Footprint
- ▨ Live/Work Area Footprint

HANNAH STREET

Sidewalk



Residential



Base Map: TDA site plan dated 06-28-02

SITE MAP

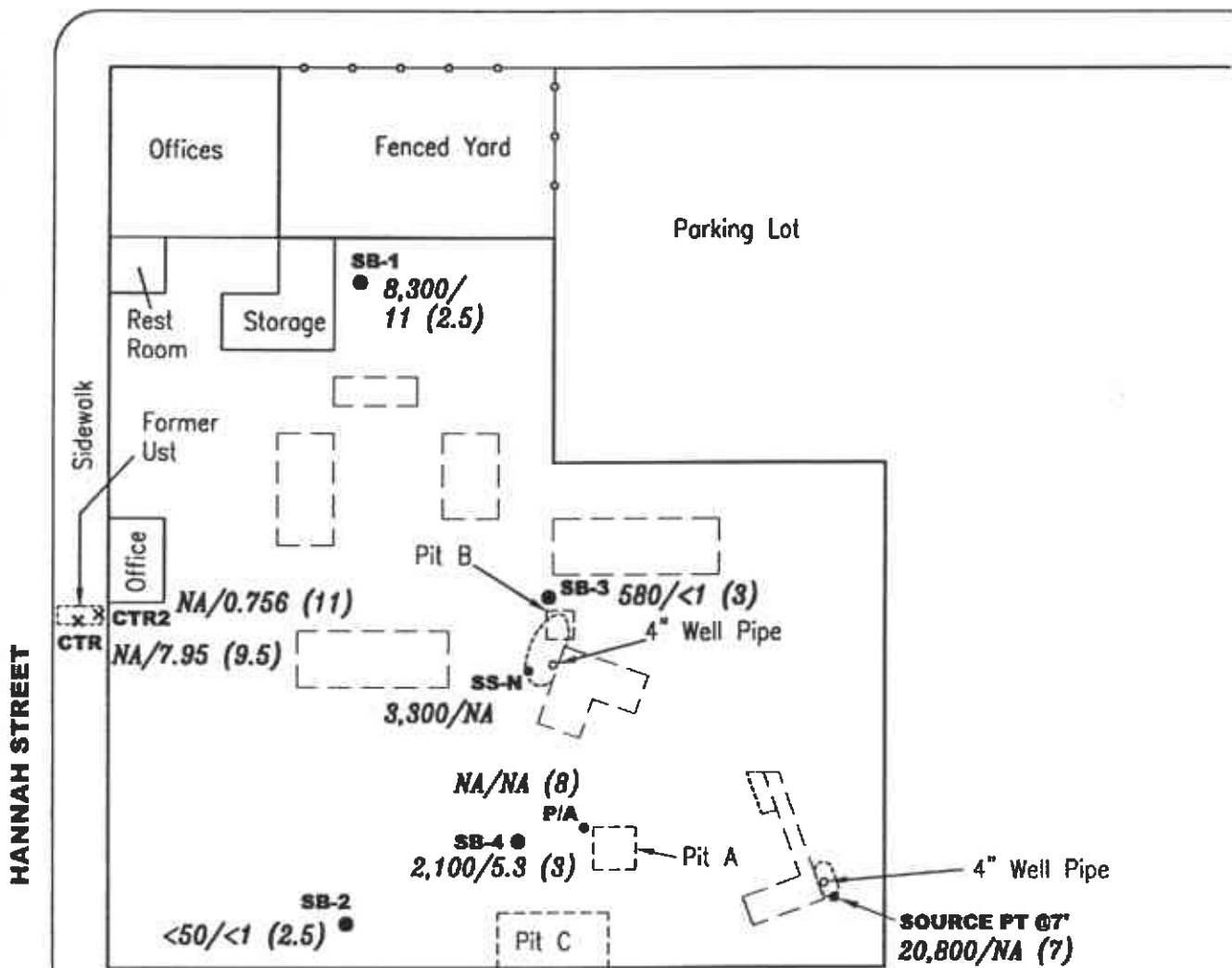
DATE
04/03
REVIEWED BY
GMJ

FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
2







ERAS Environmental Inc.

32ND STREET

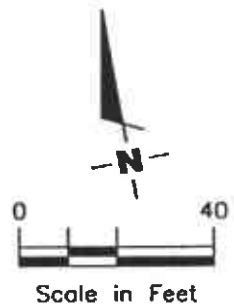


HANNAH STREET

EXPLANATION

-  UG Vaults (Filled & Capped)
-  Excavations
-  Concrete Lined Pit
-  Soil Sample by Ernest
-  Soil Boring ERAS Environmental
-  Soil Sample GGTR
- 500** Concentrations of TRPH or TPH-mo/
TPH-g (depth bgs) in mg/Kg
- NA** Not analyzed

Outside Yard



Base Map: Ernest, Fig. 2, dated 5/22/02

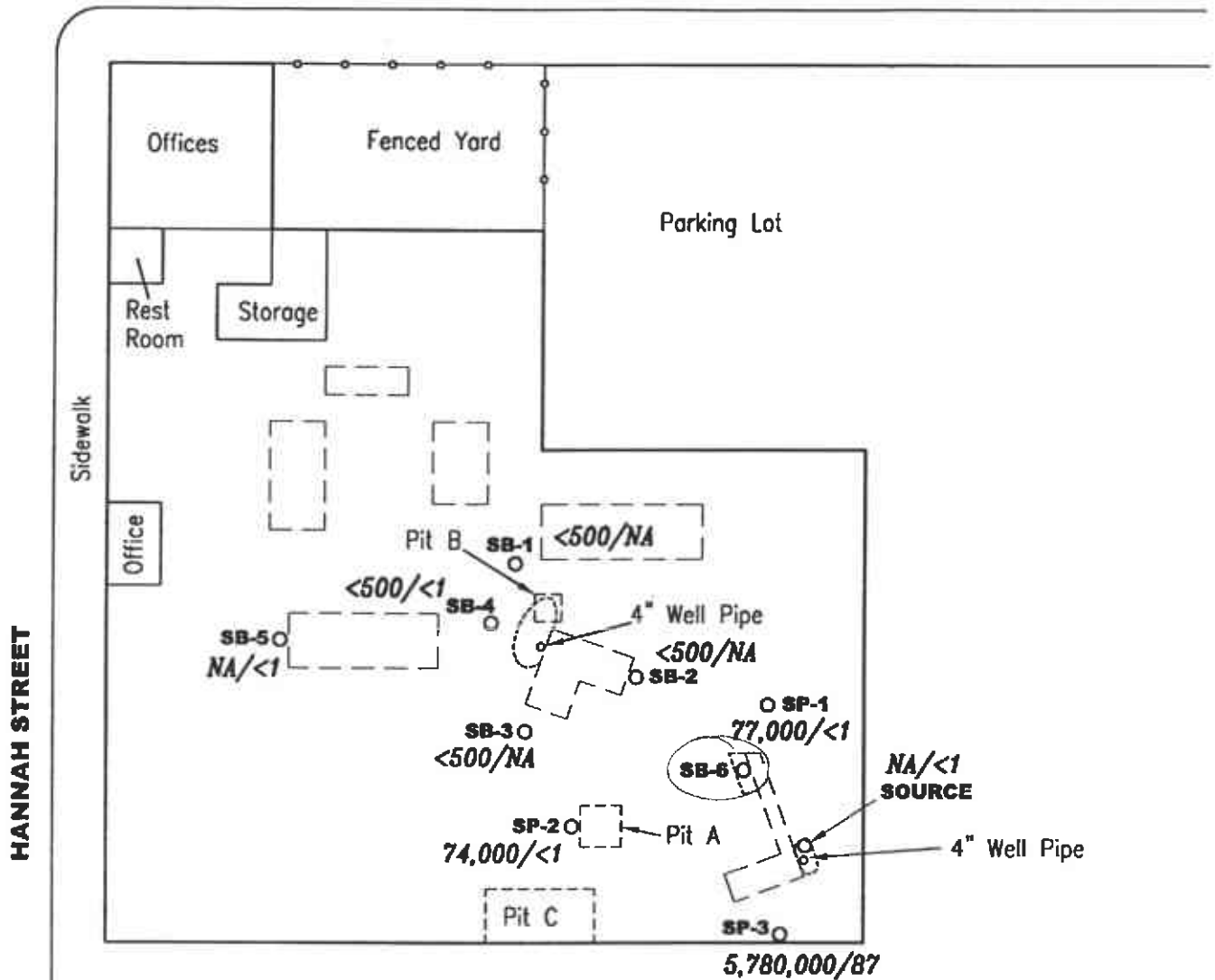
SOIL SAMPLE ANALYTICAL RESULTS

DATE
10/02
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DS





FORMER PRECISION CAST
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-01
FIGURE
2

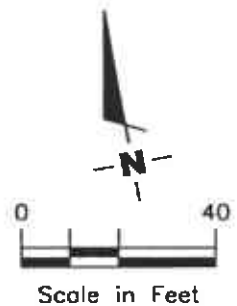
32ND STREET



EXPLANATION

-  UG Vaults (Filled & Capped)
-  Excavations
-  Concrete Lined Pit
-  Groundwater Sample by Enrest
- 500** Concentrations of TPH-mo/
benzene in ug/L
- NA** Not analyzed

Outside Yard



Base Map: Enrest, Fig. 2, dated 5/22/02

GROUNDWATER SAMPLE ANALYTICAL RESULTS

DATE
10/02
REVIEWED BY
DS

FORMER PRECISION CAST
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-01
FIGURE
3

32ND STREET

Sidewalk

EXPLANATION

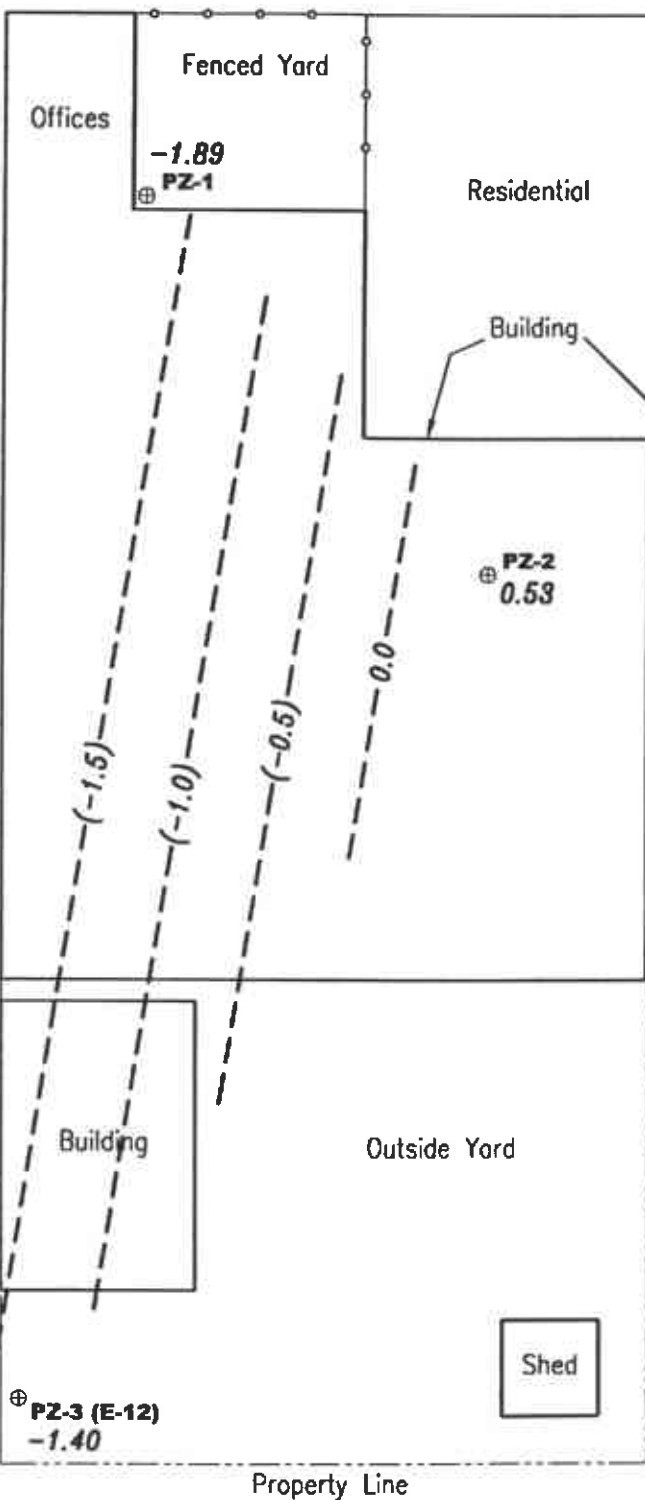
- ⊕ Peizometer by ERAS
- 0.53 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- (-1.00)-- Groundwater elevation contour



Approximate groundwater flow direction at a gradient of 0.03 Ft./Fl.

HANNAH STREET

Sidewalk



Residential



Scale in Feet

Base Map: TDA site plan dated 06-28-02

GROUNDWATER ELEVATION MAP-APRIL 9, 2003

DATE
04/03
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FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
3

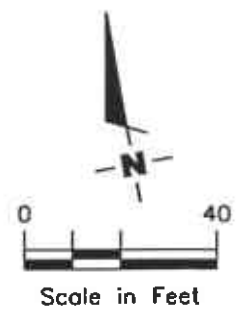
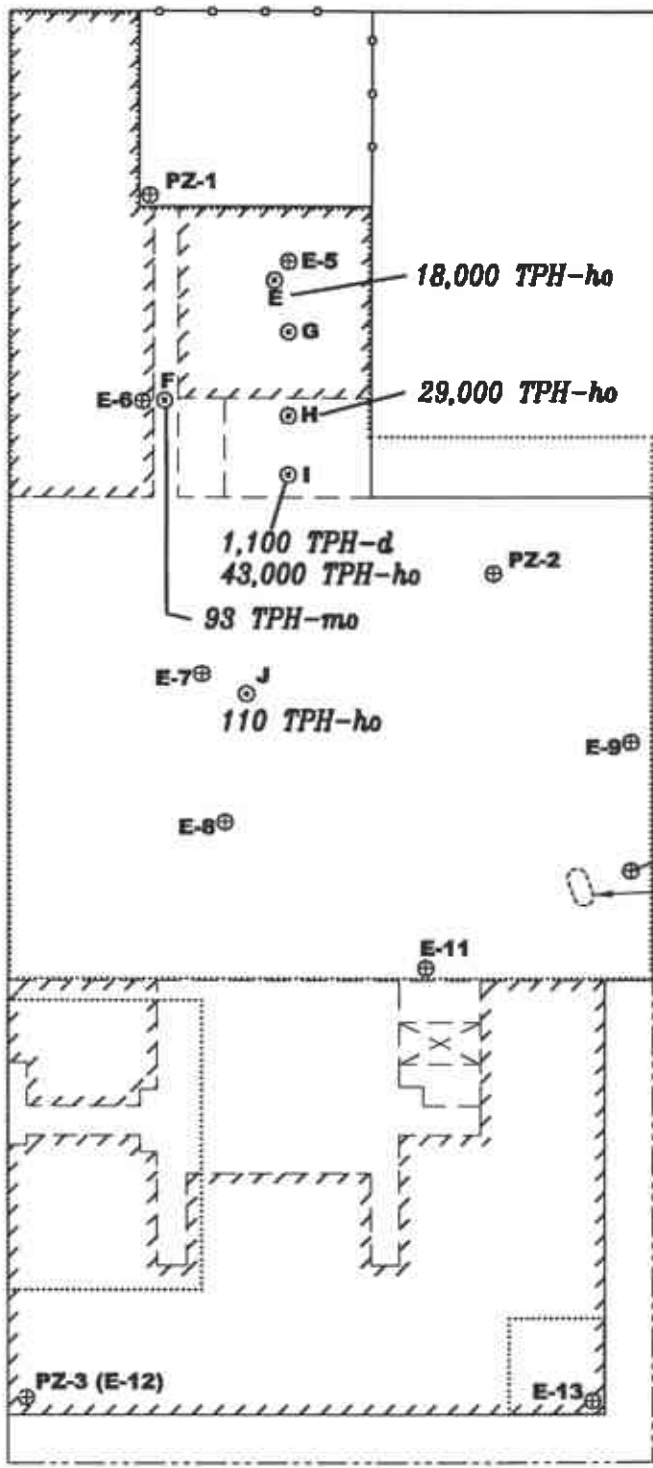
ERAS Environmental Inc.

32ND STREET

EXPLANATION

- ⊕ New soil boring & peizometer by ERAS Enviro
- ⊙ Boring into vault
- [Solid Line] New Proposed Building Footprint
- [Dashed Line] Ground Floor Footprint
- [Hatched Area] Live/Work Area Footprint
- 110 TPH-d, TPH-ho, and TPH-mo concentrations in mg/Kg

HANNAH STREET



Base Map: TDA site plan dated 06-28-02

TPH IN SAMPLES COLLECTED FROM VAULTS-APRIL 1-3, 2003

DATE
04/03
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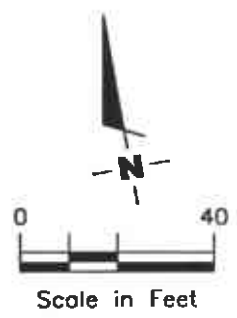
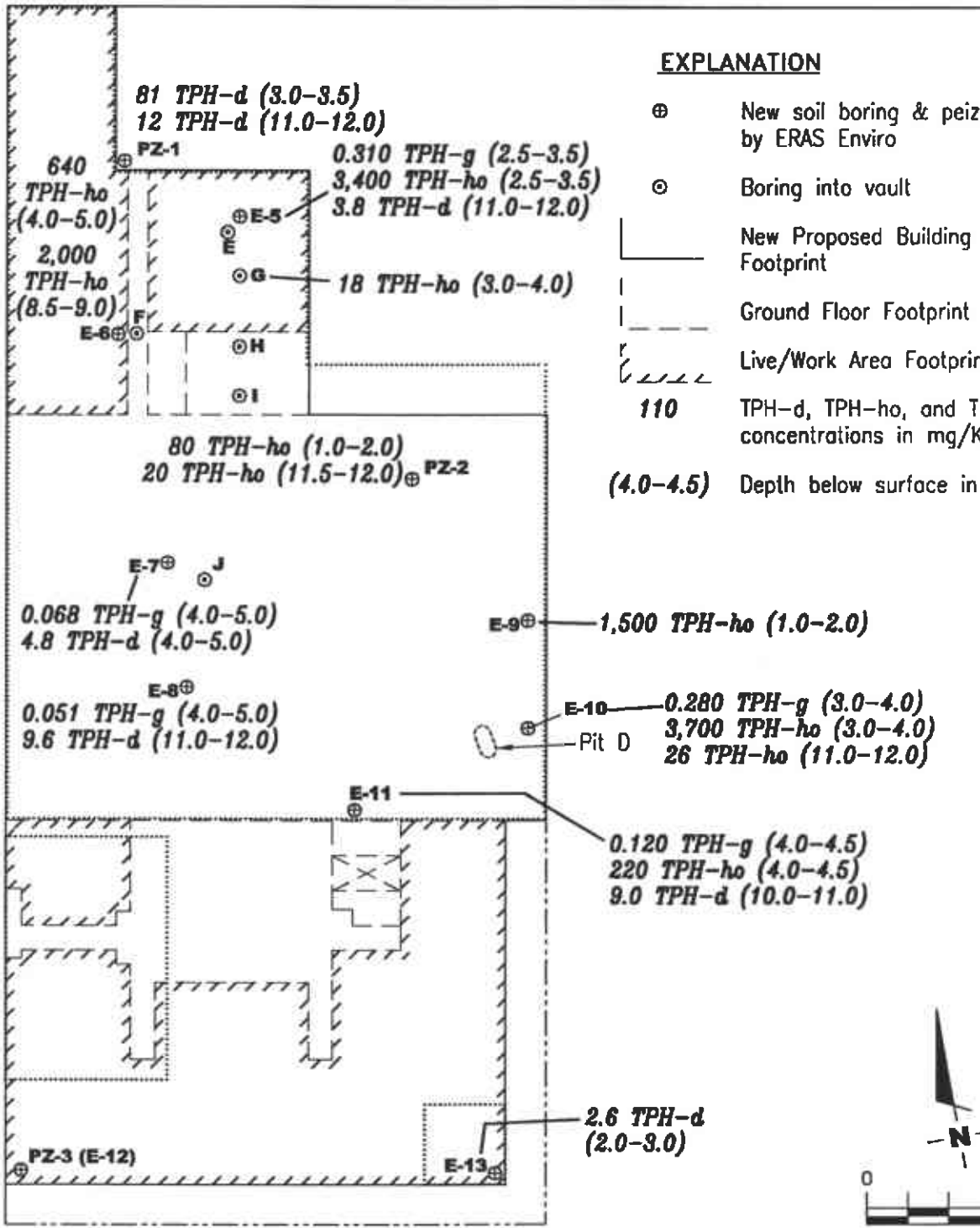
FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
4

ERAS Environmental Inc.

32ND STREET

HANNAH STREET



Base Map: TDA site plan dated 06-28-02

TPH IN SOIL-APRIL 1-3, 2003

DATE
04/03
REVIEWED BY
GMJ

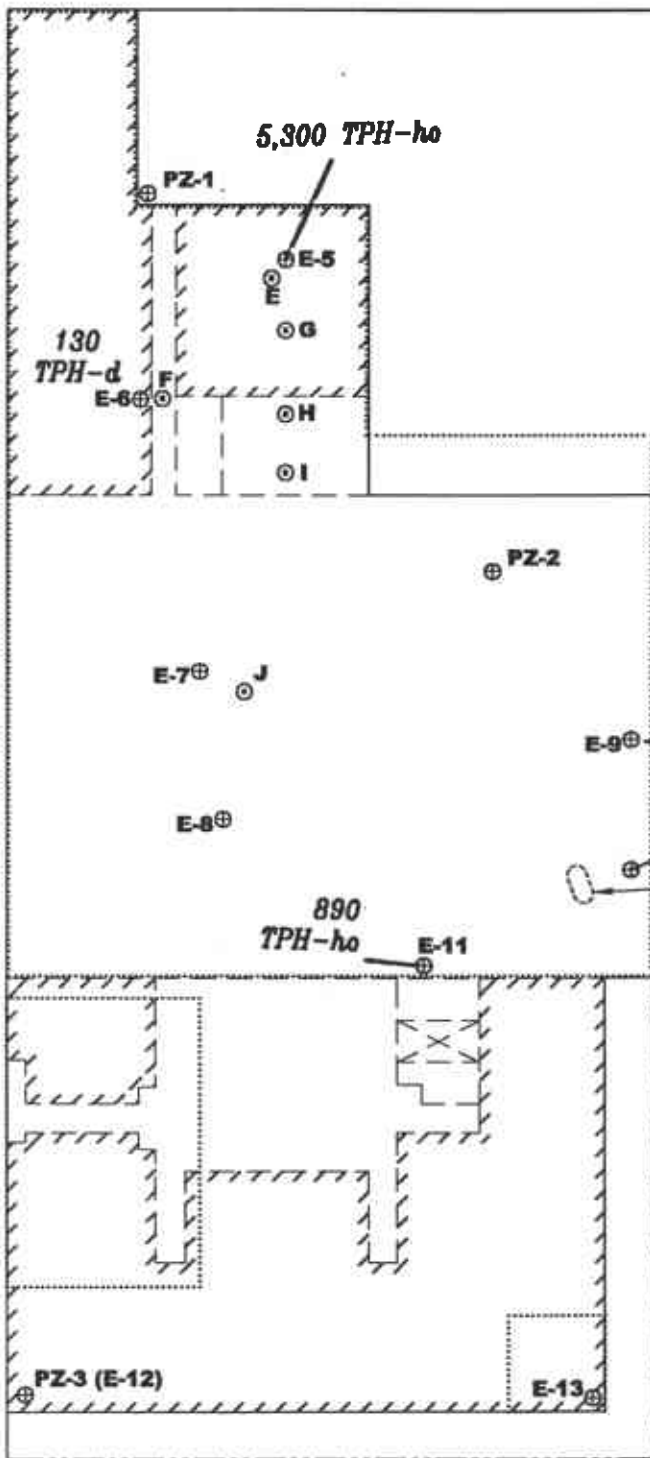
FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
5

ERAS Environmental Inc.

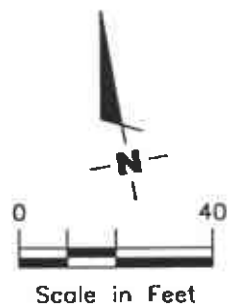
32ND STREET

HANNAH STREET



EXPLANATION

- ⊕ New soil boring & peizometer by ERAS Enviro
- ⊙ Boring into vault
- New Proposed Building Footprint
- - - Ground Floor Footprint
- ▨ Live/Work Area Footprint
- 110 TPH-d and TPH-ho concentrations in ug/L



Base Map: TDA site plan dated 06-28-02

TPH IN GROUNDWATER-APRIL 1-3, 2003

DATE
04/03
REVIEWED BY
GMJ

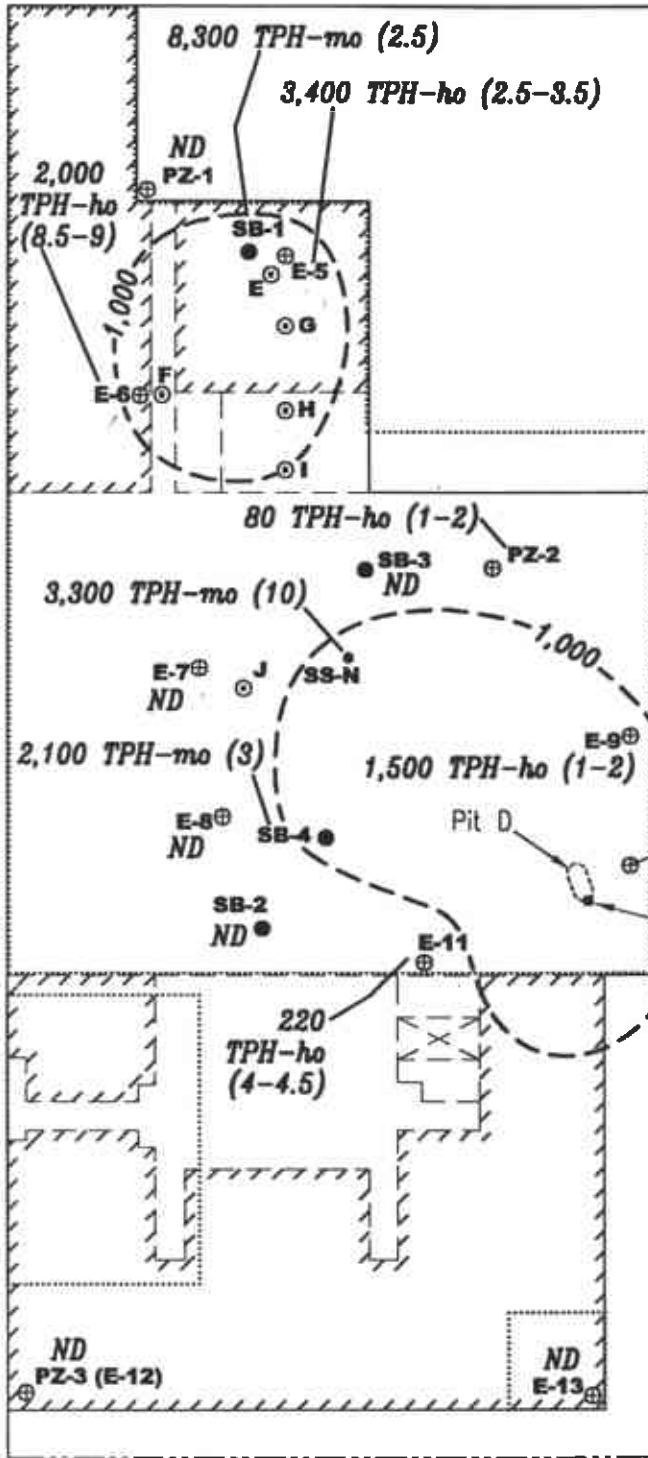
FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
6

ERAS Environmental Inc.

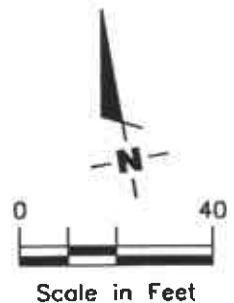
32ND STREET

HANNAH STREET



EXPLANATION

- Soil Boring ERAS Enviro
- Soil Sample by Enrest
- ⊕ New soil boring & peizometer by ERAS Enviro
- ⊙ Boring into vault
- ┌───┐ New Proposed Building Footprint
- └───┘ Ground Floor Footprint
- ▨ Live/Work Area Footprint
- 110 TPH-ho and TPH-mo concentrations in mg/Kg, depth in feet bgs
- (1-3) Isoconcentration contour TPH in mg/Kg
- ND Not Detected



Base Map: TDA site plan dated 06-28-02

ESTIMATED EXTENT OF TPH IN SOIL

DATE
05/03
REVIEWED BY
GMJ

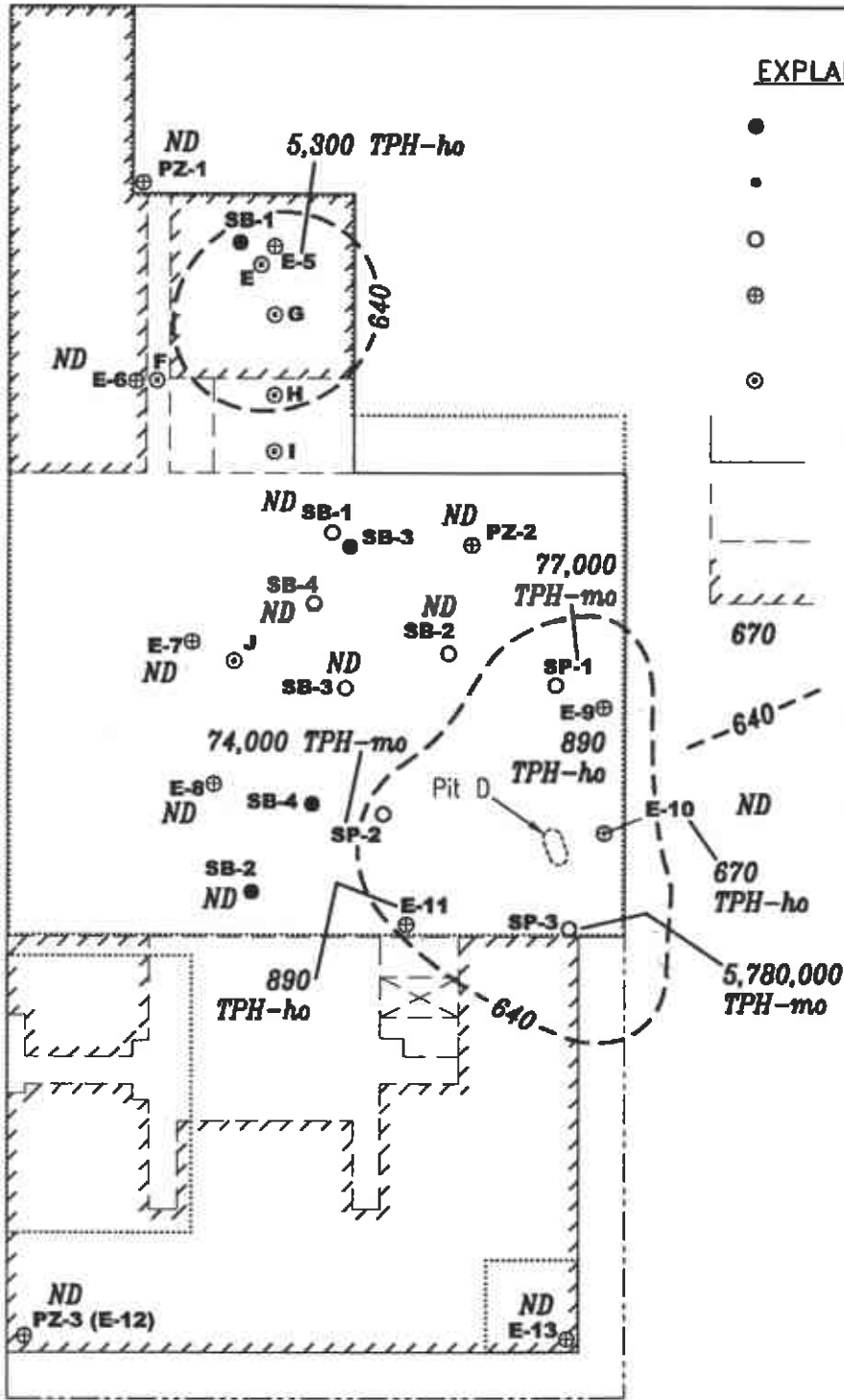
FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
7

ERAS Environmental Inc.

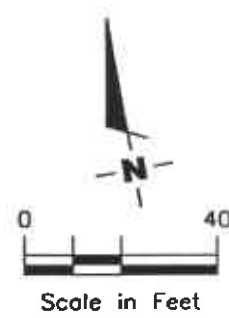
32ND STREET

HANNAH STREET



EXPLANATION

- Soil Boring ERAS Enviro
- Soil Sample by Enrest
- Groundwater Sample by Enrest
- ⊕ New soil boring & peizometer by ERAS Enviro
- ⊙ Boring into vault
- ▭ New Proposed Building Footprint
- ▭ Ground Floor Footprint
- ▭ Live/Work Area Footprint
- 670 TPH-ho and TPH-mo concentrations in ug/L
- - - 640 Isoconcentration contour TPH in ug/L
- ND Not Detected



Base Map: TDA site plan dated 06-28-02

ESTIMATED EXTENT OF TPH IN GROUNDWATER

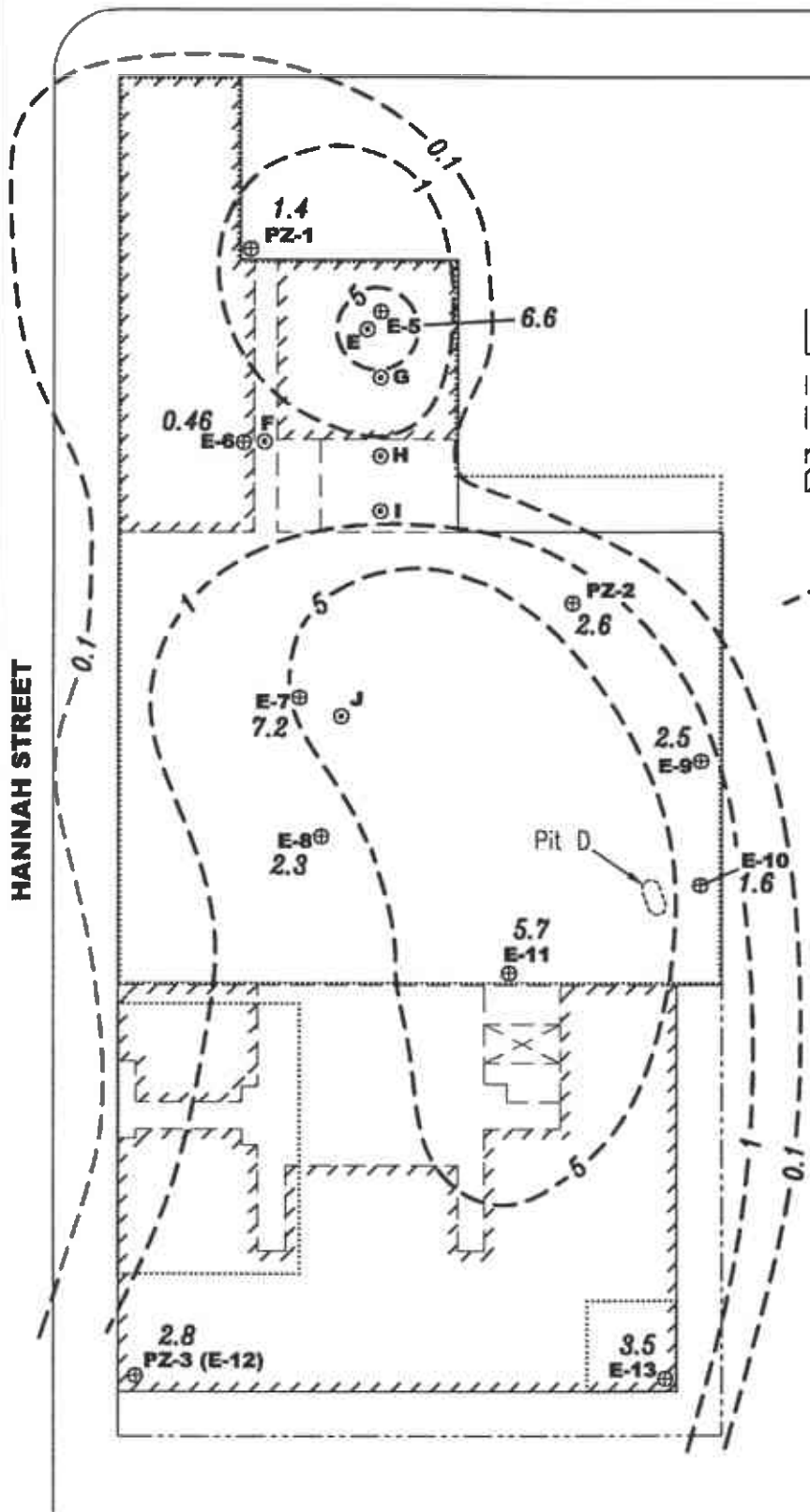
DATE
05/03
REVIEWED BY
GMJ

FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
8

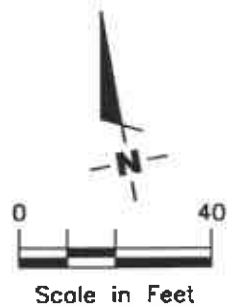
ERAS Environmental Inc.

32ND STREET



EXPLANATION

- ⊕ New soil boring & piezometer by ERAS Enviro
- ⊙ Boring into vault
- New Proposed Building Footprint
- - - Ground Floor Footprint
- ▨ Live/Work Area Footprint
- 7.2 Nickel concentrations in mg/L
- - - 0.1 Isoconcentration contour of Nickel in mg/L



Base Map: TDA site plan dated 06-28-02

ESTIMATED EXTENT OF NICKEL IN GROUNDWATER

DATE
05/03
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GMJ

FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
9

ERAS Environmental Inc.

32ND STREET

EXPLANATION

⊕ New soil boring & peizometer by ERAS Enviro

⊙ Boring into vault

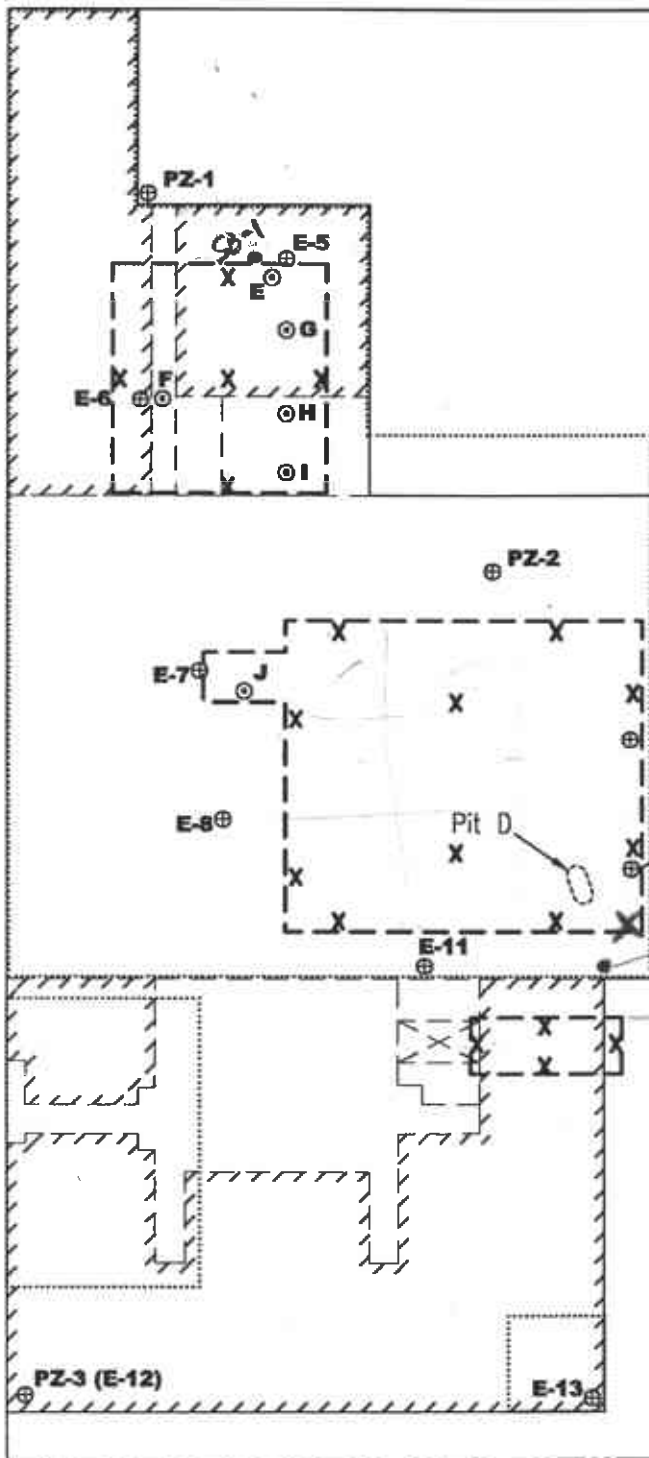
— New Proposed Building Footprint

- - - Ground Floor Footprint

▨ Live/Work Area Footprint

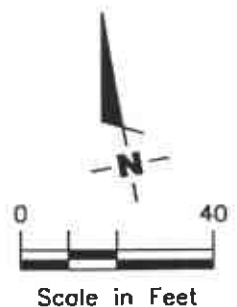
⌈ X ⌋ Proposed area of excavation of soil and location of confirmatory soil samples in sidewall (7' bgs) at bottom (9' bgs)

HANNAH STREET



SP-3

as close to building as possible



Base Map: TDA site plan dated 06-28-02

ESTIMATED AREAS OF EXCAVATION

DATE
05/03
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GMJ

FORMER PRECISION CASTING
1549 32nd Street
Oakland, California

JOB NUMBER
02-006-02
FIGURE
10

ERAS Environmental Inc.

TABLE 2. ANALYTICAL RESULTS FOR TPH AND VOC IN SOIL

1549 32nd Street, Oakland, CA

SAMPLE ID	SAMPLE DEPTH (ft)	DATE SAMPLED	TOTAL PETROLEUM HYDROCARBONS			VOLATILE ORGANIC COMPOUNDS									
			Gasoline	Diesel	Hydraulic Oil	1,2,4-TMB	1,3,5-TMB	1,2-DCB	1,4-DCB	Chloro-benzene	Methylene Chloride	Napthalene	Toluene	Total Xylenes	
		Units Laboratory Method	ug/Kg GC-MS	mg/Kg 8015 MOD	mg/Kg 8015 MOD	ug/Kg 8260B									
PZ-1	3.0-3.5	04/01/03	<50	8.1	<13	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5
	11.0-12.0	04/01/03	<50	12	<13	<5	<5	<5	<5	<5	<5	<25	<5	<5	<5
PZ-2	1.0-2.0	04/03/03	<50	<1	80	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	11.5-12.0	04/03/03	<50	<1	20	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-5	2.5-3.5	04/02/03	310	<100	3,400	20	13	<12.5	<12.5	<12.5	<62.5	150	<12.5	23	23
	11.0-12.0	04/02/03	<50	3.8	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-6	4.0-5.0	04/01/03	<50	<20	640	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	8.5-9.0	04/01/03	<50	<20	2,000	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-7	4.0-5.0	04/01/03	68	4.8	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	11.0-12.0	04/01/03	<50	<1	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-8	4.0-5.0	04/01/03	51	<25	<312.5	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	11.0-12.0	04/01/03	<50	9.6	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-9	1.0-2.0	04/02/03	<50	<50	1,500	<5	<5	<5	<5	<5	<25	23	<5	<5	<5
	11.0-12.0	04/02/03	<50	<1	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-10	3.0-4.0	04/01/03	280	<100	3,700	15	17	<12.5	<12.5	<12.5	<62.6	84	15	13	13
	11.0-12.0	04/01/03	<50	<1	26	<5	<5	<5	<5	<5	27	<5	<5	<5	<5
E-11	4.0-4.5	04/02/03	120	<10	220	<5	<5	53	5.7	5.7	<25	5.9	<5	<5	<5
	10.0-11.0	04/02/03	<50	9.0	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-12	2.0-3.0	04/02/03	<50	<1	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	11.0-12.0	04/02/03	<50	<1	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
E-13	2.0-3.0	04/02/03	<50	2.6	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
	11.0-12.0	04/02/03	<50	<1	<13	<5	<5	<5	<5	<5	<25	<5	<5	<5	<5
RBSL - City of Oakland										620	3.1*	1,200	9,000,000	54,000,000	
RBSL - RWQCB			400	500	500			1,000	130						

NOTES:

<50 = Not detected above the laboratory method reporting limit.

RBSL = Risk-Based Screening Level for Residential Land Use.

RWQCB = Regional Water Quality Control Board, San Francisco Bay Region.

1,2,4-TMB = 1,2,4-Trimethylbenzene.

1,3,5-TMB = 1,3,5-Trimethylbenzene.

1,2-DCB = 1,2-Dichlorobenzene.

1,4-DCB = 1,4-Dichlorobenzene.

* Ingestion of groundwater impacted by leachate.

TABLE 3. ANALYTICAL RESULTS FOR METALS IN SOIL

1549 32nd Street, Oakland, CA

SAMPLE ID	SAMPLE DEPTH (ft)	DATE SAMPLED	METALS		
			Chromium	Copper	Nickel
			Units mg/Kg 6010B	mg/Kg 6010B	mg/Kg 6010B
Laboratory Method					
PZ-1	3.0-3.5	04/01/03	27	9.1	24
	11.0-12.0	04/01/03	25	20	58
PZ-2	1.0-2.0	04/03/03	31	16	27
	11.5-12.0	04/03/03	34	15	72
E-5	2.5-3.5	04/02/03	35	14	26
	11.0-12.0	04/02/03	28	19	54
E-6	4.0-5.0	04/01/03	33	15	25
	8.5-9.0	04/01/03	30	13	21
E-7	4.0-5.0	04/01/03	37	16	34
	11.0-12.0	04/01/03	38	19	75
E-8	4.0-5.0	04/01/03	27	9.4	22
	11.0-12.0	04/01/03	37	16	41
E-9	1.0-2.0	04/02/03	35	20	32
	11.0-12.0	04/02/03	40	17	63
E-10	3.0-4.0	04/01/03	28	10	17
	11.0-12.0	04/01/03	41	24	54
E-11	4.0-4.5	04/02/03	30	30	26
	10.0-11.0	04/02/03	46	29	130
E-12	2.0-3.0	04/02/03	43	19	33
	11.0-12.0	04/02/03	42	21	56
E-13	2.0-3.0	04/02/03	38	19	32
	11.0-12.0	04/02/03	45	18	120
Vault G	3.0-4.0	04/01/03	33	11	32
RBSL - City of Oakland			74,000	2,800	1,500

NOTES:

RBSL = Risk-Based Screening Level Tier 1 for City of Oakland, Residential Land Use.

Chromium RBSL for Cr(III).

TABLE 5. ANALYTICAL RESULTS FOR METALS IN GROUNDWATER

1549 32nd Street, Oakland, CA

SAMPLE ID	DATE SAMPLED	METALS		
		Chromium	Copper	Nickel
	Units: Laboratory Method	mg/L 200.7	mg/L 200.7	mg/L 200.7
PZ-1	04/01/03	0.79	0.57	1.4
PZ-2	04/03/03	1.4	1.00	2.6
E-5	04/02/03	2.9	3.6	6.6
E-6	04/01/03	0.40	0.32	0.46
E-7	04/01/03	3.0	2.9	7.2
E-8	04/01/03	1.1	0.79	2.3
E-9	04/02/03	1.3	1.0	2.5
E-10	04/01/03	0.83	0.61	1.6
E-11	04/02/03	2.2	2.0	5.7
E-12	04/02/03	2.0	1.2	2.8
E-13	04/02/03	1.5	1.2	3.5
RBSL - City of Oakland		1.6	1.3	0.1

NOTES:

RBSL = Risk-Based Screening Level Tier 1 for City of Oakland, Residential Land Use.

Chromium RBSL for Cr(III).

APPENDIX A
RESULTS FROM PREVIOUS INVESTIGATIONS

TABLE 1. ANALYTICAL RESULTS FOR TPH IN VAULTS

1549 32nd Street, Oakland, CA

SAMPLE ID	DATE SAMPLED	TOTAL PETROLEUM HYDROCARBONS		
		Motor Oil	Diesel	Hydraulic Oil
Units		mg/Kg	mg/Kg	mg/Kg
Laboratory Method		8015 MOD	8015 MOD	8015 MOD
Vault E	04/01/03	<6,500	<500	18,000
Vault F	04/01/03	93	<5	<65
Vault G	04/01/03	<13	<1	18
Vault H	04/01/03	<13,000	<1,000	29,000
Vault I	04/01/03	<13,000	1,100	43,000
Vault J	04/01/03	<65	<5	110

Notes:

<6,500 = Not detected above the laboratory method reporting limit.

TABLE 4. ANALYTICAL RESULTS FOR TPH IN GROUNDWATER

1549 32nd Street, Oakland, CA

SAMPLE ID	DATE SAMPLED	TOTAL PETROLEUM HYDROCARBONS	
		Diesel	Hydraulic Oil
		Units ug/L Laboratory Method 8015 MOD	ug/L 8015 MOD
PZ-1	04/01/03	<50	<250
PZ-2	04/03/03	<50	<556
E-5	04/02/03	<570	5,300
E-6	04/01/03	130	<338
E-7	04/01/03	<50	<250
E-8	04/01/03	<77	<385
E-9	04/02/03	<58	890
E-10	04/01/03	<63	670
E-11	04/02/03	<118	890
E-12	04/02/03	<50	<250
E-13	04/02/03	<67	<333
RBSL - RWQCB		500	500

NOTES:

<50 = Not detected above the laboratory method reporting limit.

RBSL = Risk-Based Screening Level for Residential Land Use.

RWQCB = Regional Water Quality Control Board, San Francisco Bay Region.

TABLE 1 - Soil Sample Analytical Results (milligrams per kilogram)

Consultant	Sample Number	Date	TRPH/TPH-mo	TPH-g	Benzene	Toluene	Ethyl Benzene	Xylenes	Other VOCs
ERAS	SB-1-2.5	3/27/02	8,300	11	0.053	0.065	0.046	0.17	NA
ERAS	SB-2-2.5	3/27/02	<50	<1	<0.005	<0.005	<0.005	<0.005	NA
ERAS	SB-3-3	3/27/02	<50	17	<0.005	<0.005	<0.005	<0.005	NA
ERAS	SB-4-3	3/27/02	2,100	5.3	<0.005	0.0071	<0.005	0.020	NA
Enrest	SS-N (10')	4/26/02	3,300	NA	<0.005	<0.005	<0.005	<0.015	Note 1
Enrest	SS-P/A (8')	4/26/02	NA	NA	<0.005	<0.005	<0.005	<0.015	Note 2
Enrest	Source Pt @7'	5/21/02	20,800	NA	<0.005	<0.005	<0.005	<0.015	Note 3
RBSLs			500	400	0.18	8.4	24	1.0	Various

Notes:

RBSL Risk Based Screening Level (RWQCB Table B, Residential Land Use, December 2001)

ND Not detected at or above laboratory detection limits

NA Not Analyzed

1 Sample contained 1,2-Dichlorobenzene 0.013 mg/Kg (RBSL 1.0), Napthalene 0.025 (RBSL 4.9)

2 Sample contained 1,2-Dichlorobenzene 0.014 mg/Kg (RBSL 1.0)

3 Sample contained gasoline constituents

TABLE 3 - Groundwater Sample Analytical Results (micrograms per liter)

Sample Number	Date	TPH-mo	TPH-g	Benzene	Toluene	Ethyl Benzene	Xylenes	Other VOCs
SB-1	4/26/02	<500	NA	NA	NA	NA	NA	NA
SB-2	4/26/02	<500	NA	NA	NA	NA	NA	NA
SB-3	4/26/02	<500	NA	NA	NA	NA	NA	NA
SB-4	4/26/02	<500	NA	<1	<1	<1	<2	ND
SB-5	4/26/02	NA	NA	<1	<1	<1	2	Note 1
SP-1	5/21/02	77,000	NA	<1	<1	<1	<1	Note 2
SP-2	5/21/02	74,000	NA	<1	<1	2	3	Note 3
SP-3	5/21/02	5.78x10 ⁶	NA	87	94	9	82	Note 4
Source	5/21/02	NA	NA	<1	<1	1	2	Note 5
RBSLs		640	500	46	130	290	13	Various

Notes:

RBSL = Risk Based Screening Levels from Regional Water Quality Control Board, Table B, December 2001

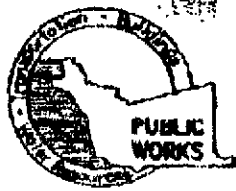
ND Not detected at or above laboratory detection limits

NA Not Analyzed

- 1 Sample contained chloroform 15 µg/L
- 2 Sample contained chloroform 3 µg/L
- 3 Sample contained acetone 375 µg/L (RBSL 1,500), 1,2-dichlorobenzene 6 µg/L (RBSL, 14)
- 4 Sample contained 1,2-dichlorobenzene 17 µg/L (RBSL, 14), naphthalene 139 µg/L, (RBSL, 24), gasoline constituents
- 5 Sample contained 1,2-dichlorobenzene 2 µg/L (RBSL, 14), naphthalene 2 µg/L (RBSL, 24), gasoline constituents

APPENDIX B

PERMIT



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

309 ELMHURST ST. HAYWARD CA. 9454-1395
PHONE (510) 678-3654 FAX (510) 678-3783
FAX (510) 882-1939

James Yu 510-670-6633

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1549 32nd Street
Oakland CA
Cross Street Hancock St.

PERMIT NUMBER W03-0215
WELL NUMBER _____
APN _____

CLIENT Bush Property Group
Name _____
Address 2200 Adeline St Phone 510 763-7165
City Oakland CA Zip 94607
APPLICANT ERAS Environmental, Inc.
Name _____
Address 20861 Wilbur Ave Phone 510 247-9885
City Livermore CA Zip 94550

PERMIT CONDITIONS

Circled Permit Requirement Apply

- A. GENERAL**
1. A permit application should be submitted as early as possible to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

- D. GEOTECHNICAL**
- Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

- F. CATHODIC**
- Fill hole anode zone with concrete placed by tremie.

- F. WELL DESTRUCTION**
- See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.

- G. SPECIAL CONDITIONS**
- NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input checked="" type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input checked="" type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	Grapple	<input type="checkbox"/>

DRILLER'S NAME Kierulff Inc.
DRILLER'S LICENSE NO. C57-705927

WELL PROJECTS

Drill Hole Diameter	_____ in.	Maximum	_____
Casing Diameter	_____ in.	Depth	_____ ft.
Surface Seal Depth	_____ ft.	Owner's Well Number	_____

GEOTECHNICAL PROJECTS

Number of Borings	<u>13</u>	Maximum	_____
Hole Diameter	<u>2</u> in.	Depth	<u>15</u> ft.

ESTIMATED STARTING DATE April 1, 2003
ESTIMATED COMPLETION DATE April 2, 2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-64.

APPLICANT'S SIGNATURE Erin Jones DATE 3/21/03

PLEASE PRINT NAME Erin Jones

APPROVED _____ DATE 3-26-03

APPENDIX C
SOIL BORING LOGS

ERAS

Environmental

20861 Wilbeam Avenue, #4
Castro Valley, CA 94546

CLIENT 0200602	SITE NUMBER 32 nd ST	LOCATION OAKL PZ1
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LOG OF SOIL BORING

Coordinates: PZ-1

Elevation top of casing:

Casing below surface:

DRILLING AND SAMPLING METHODS direct push - Viromex			
WATER LEVEL	10.3	8.9	
TIME	1115	1138	
DATE			
REFERENCE	Piezometers		
DRILLING START		DRILLING FINISH	
TIME	1100	TIME	
DATE		DATE	

Inches		Blow's Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover						Asphalt Paved
					0	ML	DESCRIPTION by: W K McIntosh Asphalt SILT black to very dark gray 0-15' stiff.
100	100				1		
100	100				2		
100	100				3		
100	100				4		
100	100				5		
100	100				6	ML	
100	100				7		
100	100				8		
100	100				9	V	- 3' 9" 11:38 AM piezometer water - plus to sample - de-aerated then 3/4 liter. 11:42 AM
100	100				10	V	10.3' @ 11:15 AM piezometer water.
100	100				11		
100	100				12		
100	100				13		
100	100				14		
100	100				15	ML	15-16 gradational contact CL MOIST CLAY.
100	100				16	EOH	set piezometer.
					17		
					18		
					19		
					20		

CLIENT	SITE NUMBER 0200602	LOCATION PZ-2
DRILLING AND SAMPLING METHODS Vironex - direct push		
WATER LEVEL	>16'	DRILLING START TIME
TIME	1215	FINISH TIME
DATE		1230
REFERENCE		DATE 4/2

LOG OF SOIL BORING
 Coordinates: PZ-2
 Elevation top of casing:
 Casing below surface:

Inches		Blow/B* Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover						DESCRIPTION by:
					0		ML 0.5-6' SILT dk gray to black stiff silts 95%, 5% fine sands and clays. 6-18' color change dk gray to grey green GC 16' tried to check for water - hole closed at 7.5 feet - push to 20', set PVC pipe - GC mottled grey green, yellow brown gravel - sand - silt max fine wet mod stiff to soft 20' EOH V. wet (no recover 18-20) water reactive w/ HCl in UOA.
100					1	ML	
100					2		
0					3		
0			0		4		
100					5		
					6	ML	
					7		
					8		
					9		
					10		
					11		
					12		
					13	ML	
					14		
					15		
100					16		
100					17	ML	
10					18		
0					19		
					20	GC	

CLIENT	SITE NUMBER	LOCATION
	0200602	E5

LOG OF SOIL BORING

E5

Coordinates:

Elevation top of casing:
Casing below surface:

DRILLING AND SAMPLING METHODS				Vireney - direct push			
WATER LEVEL				DRILLING START		FINISH	
TIME				TIME		TIME	
DATE				DATE		DATE	
REFERENCE				4/2/3		4/2/3	

Inches Driven Recover	Blows/6" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS	DESCRIPTION by:
						asphalt	
				20		TD=20'	
				1	ML		ML SILT Black, w/ brick material
				2			0-20'
				3			possible vault
				4			concrete chip ? vault bottom?
				25			ML SILT, gray green
				6			
				7			
				8			
				9			
				30			
				11			ML color changing y brown
				12			
				13			
				14			
				35			
				40			
				17			
				18			
				19	ML		ML
				40			20' TD

CLIENT	SITE NUMBER	LOCATION
0200602	(32nd St)	E 6
DRILLING AND SAMPLING METHODS		
direct push		
WATER LEVEL		DRILLING START FINISH
TIME		TIME
DATE		DATE
REFERENCE		DATE
		1205
		14-1-03

LOG OF SOIL BORING

Coordinates: E 6

Elevation top of casing:
 Casing below surface:

Inches	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS	DESCRIPTION by: WKM	
100		20		concrete direct push TD=20	0-0.5 coarse gravel	
100		1			0.5-1 sand - loose dry	
0		2	SP			1-2 sand - clay black. no odor
0		3	ML			sharp contact SILT (ML) black w/ weak organic odor.
100		4				4-5 SILT - BLACK
		25				5 - sharp contact silt lt gray
		6	ML			5.6 SILT ML Lt gray -
		7				gradational color change
		8				to lt yellow brown by 8'
		9				
		30				
		11				
		12				
		13	ML			
		14	CL			14-14.5 CL gravelly clay med brown in side of core.
		35	ML			ybrown silt, clay. moist.
		16				@ 1223 pm test for water - NONE
		17				dry @ end of drilling.
		18				wait - to 1242 still dry
		19	SP			SP-18-18.5 med brown interbed
	20				poorly graded sand - loose	
	20				depos in ybrown silt clay ML	

Produced adequate water from 20' -
 did not encounter drilling water sample

CLIENT	SITE NUMBER	LOCATION
0200602	32nd St	E7
DRILLING AND SAMPLING METHODS		
Direct Push		
WATER LEVEL	14.5	DRILLING START
TIME	1340	FINISH
DATE	4/1	TIME
REFERENCE	ground surface	DATE
		4-1

LOG OF SOIL BORING

Coordinates: E7

Elevation top of casing:
Casing below surface:

Inches		Blow/B Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover						concrete
					0		DESCRIPTION by: W/CM TD=16'
	100				1	ML	0-0.25 gravel loose ML Greenish black - gasoline Odor.
	100				2		0.25-5'
	100				3		
	50				4		gasoline odor in grey green silt @ 4'
	100				5		
	100				6	ML	CL 5'-10' Gray green silt with gravel layers locally y brown streaks 10%, 90% grey green moist
	100				7		penetubo wet @ 8', clay damp
	100				8		
	100				9		
	100				10		10-16' ML, stiff yellow brown w/ black streaks, becoming wet in 14'-16' area
	100				11		
	100				12		
	100				13		
	100				14		14.5 water @ end drilling slow water production.
	100				15	ML	
	40				16		16' EOH water @ 14.5 at end of sampler
					17		
					18		
					19		
					20		

CLIENT 0200602	SITE NUMBER 32101/6	LOCATION E8
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LOG OF SOIL BORING

Coordinates: E8

Elevation top of casing:

Casing below surface:

DRILLING AND SAMPLING METHODS Vibromax direct push			
WATER LEVEL	72'	6.7	
TIME	5:25	15:45	
DATE	4-1	4/1	
REFERENCE		ground	
DRILLING START		DRILLING FINISH	
TIME		TIME	3:25
DATE	4-1-3	DATE	

Inches		Blow/B Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Down	Recover						DESCRIPTION by: WKM
100					0		gravel 0.5 - 10.5
100					1	GM	GM Silty gravels 17 gray green, med stiff moist. no odor
100					2		
100					3		
100					4	ML	4-4.25 thin black silt zone w. weak oil odor sharp bottom contact w/ Gray green GM
100					5	GM	
100					6	V	
100					7		
100					8		
100					9		
100					10		10.5- ML 17 yellow brown silt poorly graded, plastic, damp. No odor, sharp contact
100					11	ML	
100					12		
100					13		
100					14		
100					15	V	wet 'clay' in core (5%) mostly silt (95%)
100					16		
100					17		16.15 water up to 6.7' bgs
100					18		
100					19		
100					20		20' EOH dry @ end of drill.

CLIENT 1549 32nd St	SITE NUMBER 0200602	LOCATION E9
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LOG OF SOIL BORING

Coordinates: E9

Elevation top of casing:
Casing below surface:

DRILLING AND SAMPLING METHODS 14' Vivonex direct push		DRILLING	
WATER LEVEL	1105	START TIME	1040
TIME	1105	FINISH TIME	1100
DATE	4/2/03	DATE	4/2
REFERENCE	floor.	DATE	4/2

INCHES				WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover	Blow/6" Sampler	OVA Reading				DESCRIPTION by: WJ/CMC
					0	ML	SILTS, sandy, stiff-mass. V. dark gray to black, oil odor - Machine oil - cutting oil like. Poorly graded. Gley 2.5 black. Poor recovery. Sampled 1-2'.
					1		
					2		
					3		
					4		
					5		- 5.5' color change - V. dark gray to greenish-gray (Gley 5/1)
					6		
					7		
					8	ML	SILTS - greenish gray 5.5' → 12.5'
					9		
					10	ML	
					11		11.5' color change to lt. yellow grey. 10YR 6/3
					12		
					13		12.5-13' contact ml/gc gradational
					14	GC	- increasing coarse fraction gravel and sands, well graded. 10YR 5/3 @ 15' moist
					15		
					16		16' end of hole considered whole samples
					17		
					18		
					19		
					20		

CLIENT 32nd St	SITE NUMBER 0200602	LOCATION E 10
DRILLING AND SAMPLING METHODS Vibrotek direct Push		
WATER LEVEL 1.04		DRILLING START TIME 3:50
TIME 11:25		DRILLING FINISH TIME 4:25
DATE 4/1/02		DATE
REFERENCE Soilpad		DATE

LOG OF SOIL BORING

Coordinates: E 10

Elevation top of casing:

Casing below surface:

Inches	Driven	Recover	Blow/25" Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS	DESCRIPTION by:
						0		Concrete, cased, open pit 4 1/2' west	WKM
						1	ML		SILT BLACK, soft, strong diesel wet. 0-2 feet odor @ first soil
						2			SILT 2 feet → gray green silt, Mod stiff to stiff moist.
						3			
						4			
						5			
						6			7-8'
						7	ML		Silt + 80% sand - 20% SAND increases to >50% @ 7.5
						8			8'-10'
						9	SM		SAND with silt (sands - fine grained 60-80%, silts 20-40%)
						10			10' ML sharp contact w/
						11	ML		Silt and clays. Mod stiff damp - to wet. Hydrated w/ 20% grey green mottling.
						12			
						13			
						14			
						15	ML		
						16	SM		< wet SAND lens 16' grey green oil odor
						17			
						18			
						19	ML		
						20			BOH dry @ bottom @ out of hole

CLIENT 1549 32ND ST OAK	SITE NUMBER	LOCATION E 11
DRILLING AND SAMPLING METHODS direct push		
WATER LEVEL 12		DRILLING START TIME 9:42
TIME 9:42		FINISH TIME 9:15
DATE 4/2		DATE 4/2/03
REFERENCE floor		DATE

LOG OF SOIL BORING
Coordinates: E 11
Elevation top of casing:
Casing below surface:

Inches		Blow/B's Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover						concrete paved (not cut)
					0		DESCRIPTION by: WJCM
	100				1	ML	3" loose gravel 0-3' SILT, poorly graded, dark gray green to black, soft, moist.
	100				2		
	100				3		lubricating black silt with oil odor
	90				4		
	100				5	GM	② 4 1/2-5' gravel & white pebbly sand - decayed concrete. sharp contact w/ black silt above
	100				6		GM, 5'-6'; silty gravel, gravel, sand, silt mixture white to gray green
	100				7		
	100				8		6-16' ML Silts 90% and very fine Sand deficient, gray green, moist Med. stiff. locally y brown < 10% of interval
	100				9		
	100				10		
	100				11		minor LOCAL zones of GM (1-2" gravel)
	0				12	V	Water detected @ 12' w/ secondary drill to 16. 9:42 Am.
	100				13		
	100				14		- color change green gray to med brown
	90				15	GM	15-16 y brown to med brown as in GM 5'-6'
					16		
					17		EOH decontested during sampling.
					18		
					19		
					20		

CLIENT	SITE NUMBER	LOCATION
	0200602	E 12
DRILLING AND SAMPLING METHODS		
, estimated by driller		
WATER LEVEL	14	7'
TIME	1540	1549
DATE	4/2	4/2/03
REFERENCE	bgs-	ground
DRILLING START		DRILLING FINISH
TIME 1500		TIME 1549
DATE 4/2/03		DATE 4/2/03

LOG OF SOIL BORING
 Coordinates: E 12
 Elevation top of casing:
 Casing below surface:

Inches				WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS
Driven	Recover	Blow/6" Sampler	OVA Reading				DESCRIPTION by: wkmc
	100				0		Concrete (pre cast)
	100				1	ML	0-0.5 concrete ML - silts med brown → drk brown @ 1' → 5' stiff, poorly graded.
	100				2		
	100				3		
	100				4		
	100				5		color change 5-10 ML - color change to greenish gray - v. stiff damp.
	100				6		
	100				7		
	100				8		
	100				9		
	100				10		color change 10' - 14' ML, pale brown
	100				11		10yr 1/3 stiff damp
	100				12		12-14 v-wet ML soft
	100				13		
	100				14		approx first water 14' color change to 10yr 6/4
	100				15		11 yellow brown - soft loam
	100				16		EOH 16' Piezometer @ end drilling water @ 7' bgs.
					17		
					18		
					19		
					20		

CLIENT	SITE NUMBER	LOCATION
1549 32nd St.	0200602	E 13
DRILLING AND SAMPLING METHODS		
Vironex direct push		
WATER LEVEL	12	DRILLING
TIME	1745	START FINISH
DATE	4/2	TIME 1645 TIME 1745
REFERENCE	pavement	DATE 4/2/3 DATE 4/2/3

LOG OF SOIL BORING E 13
 Coordinates:
 Elevation top of casing:
 Casing below surface:

Inches	Driven	Recover	Blow# Sampler	OVA Reading	WELL DETAIL	DEPTH (Feet)	GRAPHIC LOG	SURFACE CONDITIONS	DESCRIPTION by:
						0	gravel	Concrete (pre-cored)	2 inches - Free
						1	ML		ML - SILT black w/ 10% med brown mottling, stiff 0-15'
						2			
						3			
						4			
						5			5-8 gradual color change in ML, drk brown to lt yellow-brown, med stiff
						6			85% silts and fine sands (15%)
						7			
						8			
						9			
						10			
						11			
						12			12' water @ end drilling
						13			
						14	ML		
						15			15 - shows contact betw ML - SM SILTY SAND
						16	SM		SM 15-20' medium brown damp - fine sands 90% silt 10%, loose to med stiff
						17			
						18			
						19			
						20			EOH 20' drill to 20 - hole closed up to 16' before pipe could be put down

hydro punch - no water
 Set Tremie pipe - water to 12 feet - no lead sample 1730-1750

APPENDIX D
SURVEYORS REPORT

James W. Rasp, P.E.

5134 Elrose Avenue
San Jose, California 95124
(408) 448-6768
(707) 885-7455 efax
jimrasp@yahoo.com email

April 10, 2003

ERAS Environmental Inc.
20861 Wilbeam Avenue, Suite 4
Castro Valley, California 94546

Subject: Survey of Boring Locations at Former Precision Cast, 1542 32nd Street, Oakland
Your Job Number 02-006-02

Dear Sir or Madam:

As you requested we determined the elevations of the 5 boring locations on the subject site on April 5 and 8, 2003. The elevations are adjusted to Mean Sea Level (MSL) based upon information we obtained from the City of Oakland Surveyor's Office. We utilized City of Oakland Benchmark 269, a tag and nail in the sidewalk at the northeast curb return at Louise Street and 32nd Street. The elevation of this benchmark based upon the City of Oakland datum is 9.823 ft. The Surveyor's Office said that the City of Oakland datum is 3' above MSL. The elevations shown on the attached sketch and provided below have been adjusted to MSL based upon this information.

ELEVATIONS

PZ-1	4.31 feet	Top of 1" PVC pipe
PZ-2	5.34 feet	Top of 1" PVC pipe
PZ-3	3.86 feet	Top of concrete slab adjacent to bore
PZ-4	3.97 feet	Top of concrete slab adjacent to bore
E-12	3.74 feet	Top of 1" PVC pipe.

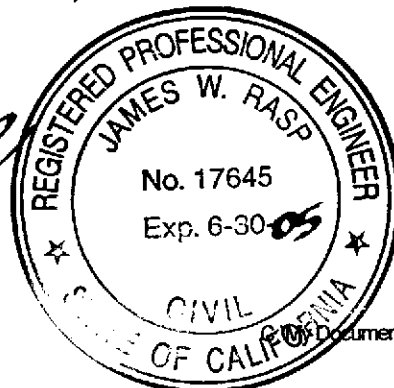
We noted that there were no PVC pipes at PZ-3 and PZ-4 during our field work on April 5, 2003. We were advised on April 7, 2003 that this was correct and none were intended. If PVC pipes are installed at a later date, the elevations of the top of those pipes can be determined by measuring from the adjacent top of the concrete slab to the top of the future pipe and adding this dimension to the elevation of the adjacent concrete slab provides above.

Thank you for this opportunity to continue to be of service to you. Should you have any questions or comments concerning this work please do not hesitate to call us.

Sincerely,

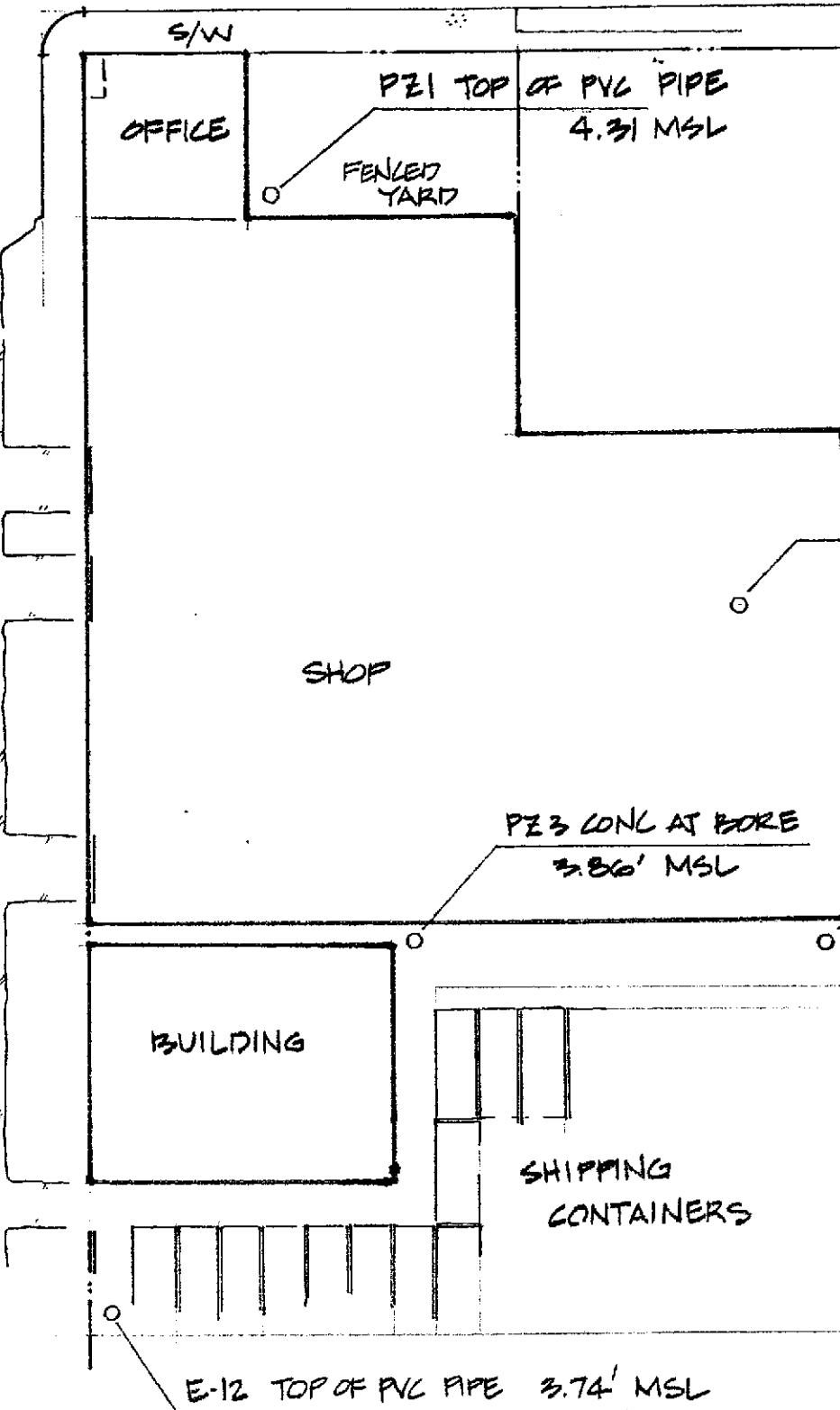


James W. Rasp P.E.

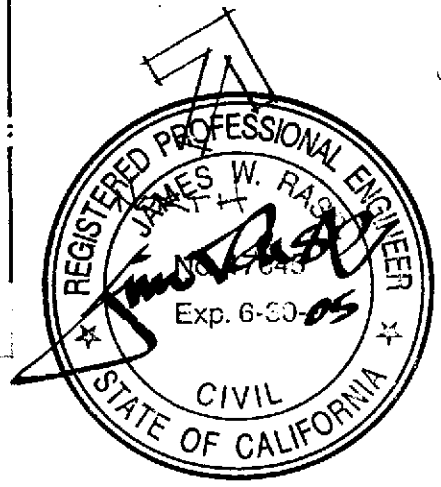


32ND STREET

HANNA STREET



CITY OF OAKLAND BENCH-MARK # 269; N.E. COR OF 32ND & LOUISE
 ELEV 9.823' (3' ABOVE MSL)



JAMES RASP PE
 5134 ELROSE AVE.
 SAN JOSE, CA 95124
 (408) 448 6768

DRAWING NO. 020206-A1
 PROJECT 020206
 BY JWR DATE 4/9/03

APPENDIX E

LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

April 11, 2003

Gail Jones
ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546

Order: 33913
Project Name:
Project Number: 0200602
Project Notes:

Date Collected: 4/1/2003
Date Received: 4/3/2003
P.O. Number: 0200602

On April 03, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Solid	Chromium	EPA 6010B
	Copper	EPA 6010B
	EPA 8260B	EPA 8260B
	Nickel	EPA 6010B
	TPH as Gasoline - GCMS	GC-MS
	TPH, Extractable	EPA 8015 MOD. (Extractable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-001

Client Sample ID: PZ1 3-3.5'

Sample Time: 11:05 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	27	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	9.1	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	24	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-002

Client Sample ID: PZ1 11-12'

Sample Time: 11:10 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	25	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	20	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	58	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZ2 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	31	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	16	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	27	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-004

Client Sample ID: PZ2 11.5-12'

Sample Time:

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	34	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	15	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	72	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	35	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	14	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	26	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-006

Client Sample ID: E-5 11-12'

Sample Time: 2:00 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	28	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	19	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	54	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-007

Client Sample ID: E-6 4-5'

Sample Time: 12:11 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	33	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	15	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	25	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-008

Client Sample ID: E-6 8.5-9'

Sample Time: 11:18 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	30	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	13	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	21	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

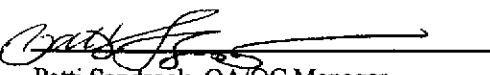
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-009	Client Sample ID: E-7 4-5'							
Sample Time: 1:25 PM	Sample Date: 4/1/2003	Matrix: Solid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	37	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	16	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	34	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B


Order ID: 33913	Lab Sample ID: 33913-010	Client Sample ID: E-7 11-12'							
Sample Time: 1:35 PM	Sample Date: 4/1/2003	Matrix: Solid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	38	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	19	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	75	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913	Lab Sample ID: 33913-011	Client Sample ID: E-8 4-5'							
Sample Time: 2:45 PM	Sample Date: 4/1/2003	Matrix: Solid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	27	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	9.4	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	22	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913	Lab Sample ID: 33913-012	Client Sample ID: E-8 11-12'							
Sample Time: 3:00 PM	Sample Date: 4/1/2003	Matrix: Solid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	37	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	16	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	41	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-013

Client Sample ID: E-9 1-2'

Sample Time: 10:50 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	35	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	20	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	32	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-014

Client Sample ID: E-9 11-12'

Sample Time: 11:05 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	40	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	17	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	63	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-015

Client Sample ID: E-10 3-4'

Sample Time: 3:55 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	28	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	10	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	17	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-016

Client Sample ID: E-10 11-12'

Sample Time: 3:58 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	41	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	24	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	54	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-017

Client Sample ID: E-11 4-4.5'

Sample Time: 9:48 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	30	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	30	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	26	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-018

Client Sample ID: E-11 10-11'

Sample Time: 9:37 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	46	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	29	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	130	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-019

Client Sample ID: E-12 2-3'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	43	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	19	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	33	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	42	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Copper	21	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B
Nickel	56	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8299	EPA 6010B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-021

Client Sample ID: E-13 2-3'

Sample Time: 4:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	38	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Copper	19	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Nickel	32	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	45	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Copper	18	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Nickel	120	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B

Order ID: 33913

Lab Sample ID: 33913-023

Client Sample ID: Vault G 3-4'

Sample Time: 9:58 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	33	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Copper	11	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B
Nickel	32	1	1	1	mg/Kg	4/9/2003	4/10/2003	SM8300	EPA 6010B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-001 Client Sample ID: PZ1 3-3.5'
Sample Time: 11:05 AM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/7/2003	SMS310013	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			85.9			65 - 135	
			Dibromofluoromethane			87.9			65 - 135	
			Toluene-d8			89.3			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-002 Client Sample ID: PZ1 11-12'
Sample Time: 11:10 AM Sample Date: 4/1/2003 Matrix: Solid


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/7/2003	SMS310013	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			85.9			65 - 135	
			Dibromofluoromethane			89.4			65 - 135	
			Toluene-d8			87.8			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-003 Client Sample ID: PZ2 1-2'
Sample Time: 11:50 AM Sample Date: 4/3/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/7/2003	SMS310013	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			86.5			65 - 135	
			Dibromofluoromethane			89.0			65 - 135	
			Toluene-d8			87.4			65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

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Order ID: 33913	Lab Sample ID: 33913-004	Client Sample ID: PZ2 11.5-12'								
Sample Time:	Sample Date: 4/3/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/7/2003	SMS310013	GC-MS
							Surrogate	Surrogate Recovery	Control Limits (%)	
							4-Bromofluorobenzene	87.1	65 - 135	
							Dibromofluoromethane	92.0	65 - 135	
							Toluene-d8	89.1	65 - 135	

Order ID: 33913	Lab Sample ID: 33913-005	Client Sample ID: E-5 2.5-3.5'								
Sample Time: 1:50 PM	Sample Date: 4/2/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	310		2.5	50	125	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
							Surrogate	Surrogate Recovery	Control Limits (%)	
							4-Bromofluorobenzene	82.9	65 - 135	
							Dibromofluoromethane	93.1	65 - 135	
							Toluene-d8	85.4	65 - 135	

Order ID: 33913	Lab Sample ID: 33913-006	Client Sample ID: E-5 11-12'								
Sample Time: 2:00 PM	Sample Date: 4/2/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
							Surrogate	Surrogate Recovery	Control Limits (%)	
							4-Bromofluorobenzene	87.3	65 - 135	
							Dibromofluoromethane	90.1	65 - 135	
							Toluene-d8	87.3	65 - 135	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

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Order ID: 33913 Lab Sample ID: 33913-007 Client Sample ID: E-6 4-5'
Sample Time: 12:11 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			89.2			65 - 135	
			Dibromofluoromethane			91.2			65 - 135	
			Toluene-d8			84.2			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-008 Client Sample ID: E-6 8.5-9'
Sample Time: 11:18 AM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			87.2			65 - 135	
			Dibromofluoromethane			82.4			65 - 135	
			Toluene-d8			86.1			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-009 Client Sample ID: E-7 4-5'
Sample Time: 1:25 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	68		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			87.0			65 - 135	
			Dibromofluoromethane			91.0			65 - 135	
			Toluene-d8			85.4			65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Sampled By: W. McIntosh

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Order ID: 33913 Lab Sample ID: 33913-010 Client Sample ID: E-7 11-12'
Sample Time: 1:35 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.4			65 - 135	
			Dibromofluoromethane			92.9			65 - 135	
			Toluene-d8			85.3			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-011 Client Sample ID: E-8 4-5'
Sample Time: 2:45 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	51		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			89.0			65 - 135	
			Dibromofluoromethane			89.7			65 - 135	
			Toluene-d8			85.1			65 - 135	

Order ID: 33913 Lab Sample ID: 33913-012 Client Sample ID: E-8 11-12'
Sample Time: 3:00 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			87.3			65 - 135	
			Dibromofluoromethane			91.3			65 - 135	
			Toluene-d8			85.0			65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Order ID: 33913		Lab Sample ID: 33913-013				Client Sample ID: E-9 1-2'				
Sample Time: 10:50 AM		Sample Date: 4/2/2003				Matrix: Solid				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
Surrogate						Surrogate Recovery			Control Limits (%)	
4-Bromofluorobenzene						86.4			65 - 135	
Dibromofluoromethane						90.8			65 - 135	
Toluene-d8						85.7			65 - 135	

Order ID: 33913		Lab Sample ID: 33913-014				Client Sample ID: E-9 11-12'				
Sample Time: 11:05 AM		Sample Date: 4/2/2003				Matrix: Solid				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
Surrogate						Surrogate Recovery			Control Limits (%)	
4-Bromofluorobenzene						87.6			65 - 135	
Dibromofluoromethane						91.3			65 - 135	
Toluene-d8						85.7			65 - 135	

Order ID: 33913		Lab Sample ID: 33913-015				Client Sample ID: E-10 3-4'				
Sample Time: 3:55 PM		Sample Date: 4/1/2003				Matrix: Solid				
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	280		2.5	50	125	µg/kg	N/A	4/10/2003	SMS310021	GC-MS
Surrogate						Surrogate Recovery			Control Limits (%)	
4-Bromofluorobenzene						82.4			65 - 135	
Dibromofluoromethane						91.1			65 - 135	
Toluene-d8						86.1			65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Sampled By: W. McIntosh


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Order ID: 33913	Lab Sample ID: 33913-016	Client Sample ID: E-10 11-12'								
Sample Time: 3:58 PM	Sample Date: 4/1/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/8/2003	SMS310013B	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.8			65 - 135	
			Dibromofluoromethane			95.5			65 - 135	
			Toluene-d8			84.6			65 - 135	

Order ID: 33913	Lab Sample ID: 33913-017	Client Sample ID: E-11 4-4.5'								
Sample Time: 9:48 AM	Sample Date: 4/2/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	120		1	50	50	µg/kg	N/A	4/10/2003	SMS310021	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			82.4			65 - 135	
			Dibromofluoromethane			90.6			65 - 135	
			Toluene-d8			84.2			65 - 135	

Order ID: 33913	Lab Sample ID: 33913-018	Client Sample ID: E-11 10-11'								
Sample Time: 9:37 AM	Sample Date: 4/2/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/10/2003	SMS310021	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			87.4			65 - 135	
			Dibromofluoromethane			90.6			65 - 135	
			Toluene-d8			82.6			65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Sampled By: W. McIntosh

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Order ID: 33913 Lab Sample ID: 33913-019 Client Sample ID: E-12 2-3'
Sample Time: 3:45 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/10/2003	SMS310021	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			86.2		65 - 135	
				Dibromofluoromethane			90.9		65 - 135	
				Toluene-d8			84.5		65 - 135	

Order ID: 33913 Lab Sample ID: 33913-020 Client Sample ID: E-12 11-12'
Sample Time: 3:45 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/11/2003	SMS110024	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			100.0		65 - 135	
				Dibromofluoromethane			113.0		65 - 135	
				Toluene-d8			103.0		65 - 135	

Order ID: 33913 Lab Sample ID: 33913-021 Client Sample ID: E-13 2-3'
Sample Time: 4:50 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/11/2003	SMS110024	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			87.8		65 - 135	
				Dibromofluoromethane			123.0		65 - 135	
				Toluene-d8			117.0		65 - 135	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
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Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/11/2003	SMS110024	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			100.0		65 - 135	
				Dibromofluoromethane			114.0		65 - 135	
				Toluene-d8			104.0		65 - 135	

Order ID: 33913

Lab Sample ID: 33913-023

Client Sample ID: Vault G 3-4'

Sample Time: 9:58 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/kg	N/A	4/11/2003	SMS110024	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			99.7		65 - 135	
				Dibromofluoromethane			117.0		65 - 135	
				Toluene-d8			104.0		65 - 135	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Order ID: 33913 Lab Sample ID: 33913-001 Client Sample ID: PZ1 3-3.5'
Sample Time: 11:05 AM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 90.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	8.1	x	1	1	1	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 90.0		Control Limits (%) 50 - 126	

Comment: Reported TPH as Diesel value is a result of overlapping Hydraulic Oil into the Diesel quantitation range, and of the presence of discrete peaks in the Diesel quantitation range.

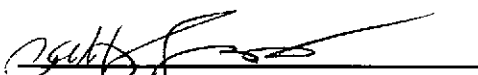
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 90.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 90.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate	Surrogate Recovery		Control Limits (%)	

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Order ID: 33913 Lab Sample ID: 33913-001 Client Sample ID: PZ1 3-3.5'
 Sample Time: 11:05 AM Sample Date: 4/1/2003 Matrix: Solid

o-Terphenyl 90.0 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 90.0		Control Limits (%) 40 - 128


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 90.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 90.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 90.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Order ID: 33913

Lab Sample ID: 33913-002

Client Sample ID: PZ1 11-12'

Sample Time: 11:10 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	12	x	1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 50 - 126

Comment: Reported TPH as Diesel value is a result of discrete peaks that are not typical of TPH as Diesel but are within the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate		Surrogate Recovery		Control Limits (%)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
 20861 Wilbeam Avenue #4
 Castro Valley, CA 94546
 Attn: Gail Jones

Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-002 Client Sample ID: PZ1 11-12'
 Sample Time: 11:10 AM Sample Date: 4/1/2003 Matrix: Solid

o-Terphenyl 89.0 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 89.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZ2 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 128.0		Control Limits (%) 40 - 128
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 128.0		Control Limits (%) 50 - 126
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 128.0		Control Limits (%) 40 - 128
TPH as Hydraulic Oil	80		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 128.0		Control Limits (%) 40 - 128
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 128.0		Control Limits (%) 40 - 128

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZZ 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 128.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 128.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 128.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 128.0		Control Limits (%) 40 - 128


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-004

Client Sample ID: PZ2 11.5-12'

Sample Time:

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 50 - 126


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	20		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-004 Client Sample ID: PZ2 11.5-12'
Sample Time: Sample Date: 4/3/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		100	1	100	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 50 - 126

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	3400		100	13	1300	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128


Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		100	1	100	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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 Attn: Gail Jones

Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		100	1	100	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		100	1	100	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-006 Client Sample ID: E-5 11-12'
Sample Time: 2:00 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	3.8	x	1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 50 - 126

Comment: Reported TPH as Diesel value is a result of discrete peaks and overlapping Motor Oil into the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-006

Client Sample ID: E-5 11-12'

Sample Time: 2:00 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 91.0		Control Limits (%) 40 - 128

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-007

Client Sample ID: E-6 4-5'

Sample Time: 12:11 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 165.0		Control Limits (%) 50 - 126

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	640		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-007 Client Sample ID: E-6 4-5'
Sample Time: 12:11 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 165.0		Control Limits (%) 40 - 128

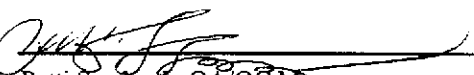
Comment: Surrogate recovery out of control limits due to matrix interference.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 165.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to matrix interference.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-008 Client Sample ID: E-6 8.5-9'
Sample Time: 11:18 AM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 50 - 126
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	2000		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-008

Client Sample ID: E-6 8.5-9'

Sample Time: 11:18 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		20	1	20	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		20	13	260	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-009

Client Sample ID: E-7 4-5'

Sample Time: 1:25 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 96.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	4.8	x	1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 96.0		Control Limits (%) 50 - 126	

Comment: Reported TPH as Diesel value is a result of overlapping Hydraulic Oil into the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 96.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 96.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 96.0		Control Limits (%) 40 - 128	

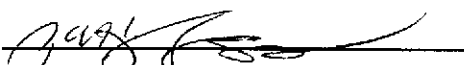
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-009

Client Sample ID: E-7 4-5'

Sample Time: 1:25 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 96.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 96.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 96.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 96.0		Control Limits (%) 40 - 128

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

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Date: 4/11/03
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 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-010

Client Sample ID: E-7 11-12'

Sample Time: 1:35 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 50 - 126

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-010

Client Sample ID: E-7 11-12'

Sample Time: 1:35 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-011

Client Sample ID: E-8 4-5'

Sample Time: 2:45 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		5	62.5	312.5	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		5	5	25	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 50 - 126

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		5	62.5	312.5	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		5	62.5	312.5	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		5	5	25	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-011

Client Sample ID: E-8 4-5'

Sample Time: 2:45 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		5	5	25	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		5	62.5	312.5	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		5	5	25	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		5	62.5	312.5	mg/Kg	4/4/2003	4/8/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-012	Client Sample ID: E-8 11-12'								
Sample Time: 3:00 PM	Sample Date: 4/1/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	9.6	x	1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 50 - 126
Comment: Reported TPH as Diesel value is a result of overlapping Hydraulic Oil into the Diesel quantitation range.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-012	Client Sample ID: E-8 11-12'
Sample Time: 3:00 PM	Sample Date: 4/1/2003	Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 98.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
 Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-013

Client Sample ID: E-9 1-2'

Sample Time: 10:50 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		50	13	650	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		50	1	50	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 50 - 126

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		50	13	650	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	1500		50	13	650	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		50	1	50	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-013 Client Sample ID: E-9 1-2'
Sample Time: 10:50 AM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		50	1	50	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		50	13	650	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		50	1	50	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		50	13	650	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-014	Client Sample ID: E-9 11-12'								
Sample Time: 11:05 AM	Sample Date: 4/2/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 50 - 126
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-014

Client Sample ID: E-9 11-12'

Sample Time: 11:05 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 77.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-015	Client Sample ID: E-10 3-4'								
Sample Time: 3:55 PM	Sample Date: 4/1/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		100	1	100	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 50 - 126
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	3700		100	13	1300	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		100	1	100	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-015

Client Sample ID: E-10 3-4'

Sample Time: 3:55 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		100	1	100	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
				Surrogate o-Terphenyl				Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
				Surrogate o-Terphenyl				Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		100	1	100	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
				Surrogate o-Terphenyl				Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		100	13	1300	mg/Kg	4/4/2003	4/9/2003	DS4265A	EPA 8015 MOD. (Extractable)
				Surrogate o-Terphenyl				Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-016	Client Sample ID: E-10 11-12'								
Sample Time: 3:58 PM	Sample Date: 4/1/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 110.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 110.0		Control Limits (%) 50 - 126
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 110.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	26		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 110.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 110.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-016 Client Sample ID: E-10 11-12'
 Sample Time: 3:58 PM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 110.0		Control Limits (%) 40 - 128

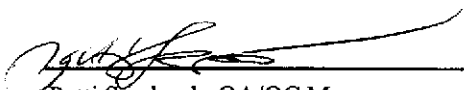
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 110.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 110.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 110.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-017

Client Sample ID: E-11 4-4.5'

Sample Time: 9:48 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		10	13	130	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		10	1	10	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 133.0		Control Limits (%) 50 - 126

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		10	13	130	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	220		10	13	130	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 133.0		Control Limits (%) 40 - 128

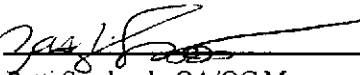
Comment: Surrogate recovery out of control limits due to dilution of the sample.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		10	1	10	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 133.0		Control Limits (%) 40 - 128

Comment: Surrogate recovery out of control limits due to dilution of the sample.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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 Attn: Gail Jones

Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-017 Client Sample ID: E-11 4-4.5'
 Sample Time: 9:48 AM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		10	1	10	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128
Comment: Surrogate recovery out of control limits due to dilution of the sample.										

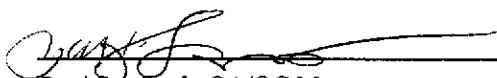
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		10	13	130	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128
Comment: Surrogate recovery out of control limits due to dilution of the sample.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		10	1	10	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128
Comment: Surrogate recovery out of control limits due to dilution of the sample.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		10	13	130	mg/Kg	4/4/2003	4/10/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 133.0		Control Limits (%) 40 - 128
Comment: Surrogate recovery out of control limits due to dilution of the sample.										

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-018 Client Sample ID: E-11 10-11'
Sample Time: 9:37 AM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	9.0	x	1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 50 - 126


Comment: Reported TPH as Diesel value is a result of overlapping Hydraulic Oil into the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

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Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-018	Client Sample ID: E-11 10-11'
Sample Time: 9:37 AM	Sample Date: 4/2/2003	Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 128

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 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-019

Client Sample ID: E-12 2-3'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 50 - 126
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 92.0		Control Limits (%) 40 - 128

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-019 Client Sample ID: E-12 2-3'
Sample Time: 3:45 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 92.0		Control Limits (%) 40 - 128

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 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 93.0		Control Limits (%) 50 - 126	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 93.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 93.0		Control Limits (%) 40 - 128	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 93.0		Control Limits (%) 40 - 128	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 93.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 93.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 93.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/6/2003	DS4265A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 93.0		Control Limits (%) 40 - 128


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-021 Client Sample ID: E-13 2-3'
 Sample Time: 4:50 PM Sample Date: 4/2/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	2.6	x	1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 50 - 126

Comment: Reported TPH as Diesel value is a result of discrete peaks that are not typical of TPH as Diesel but are within the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate		Surrogate Recovery		Control Limits (%)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-021 Client Sample ID: E-13 2-3'
Sample Time: 4:50 PM Sample Date: 4/2/2003 Matrix: Solid

o-Terphenyl 80.0 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 80.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 50 - 126

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 40 - 128

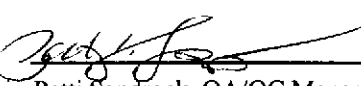
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-022 Client Sample ID: E-13 11-12'
Sample Time: 5:05 PM Sample Date: 4/3/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 40 - 128


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 40 - 128

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Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
 20861 Wilbeam Avenue #4
 Castro Valley, CA 94546
 Attn: Gail Jones

Date: 4/11/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913	Lab Sample ID: 33913-023	Client Sample ID: Vault G 3-4'								
Sample Time: 9:58 AM	Sample Date: 4/1/2003	Matrix: Solid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 59.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 59.0		Control Limits (%) 50 - 126
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 59.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	18		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 59.0		Control Limits (%) 40 - 128
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 59.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Patti Sandrock, QA/QC Manager

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913 Lab Sample ID: 33913-023 Client Sample ID: Vault G 3-4'
Sample Time: 9:58 AM Sample Date: 4/1/2003 Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 59.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 59.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	1	1	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 59.0		Control Limits (%) 40 - 128

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	13	13	mg/Kg	4/4/2003	4/8/2003	DS4263B	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 59.0		Control Limits (%) 40 - 128

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

ERAS

Environmental, Inc.

20861 Wilbeam Avenue, Suite 4

Castro Valley, CA 94546-5832

(510) 247-9885 Facsimile: (510) 886-5399

**SOIL AND GROUNDWATER INVESTIGATION REPORT
APPENDIX E – LABORATORY REPORTS CONTINUED**

**Former Precision Cast
1549 32nd Street
Oakland, California
Project Number 02-006-01**

Prepared for:

**Mr. Francis Rush
Rush Property Group
2200 Adeline Street, #350
Oakland, CA 94607**

Prepared by:

**ERAS Environmental
May 27, 2003**

Entech Analytical Labs, Inc.

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-001

Client Sample ID: PZ1 3-3.5'

Sample Time: 11:05 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-001

Client Sample ID: PZ1 3-3.5'

Sample Time: 11:05 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B


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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-001

Client Sample ID: PZ1 3-3.5'

Sample Time: 11:05 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	85.9	65 - 135
Dibromofluoromethane	87.9	57 - 156
Toluene-d8	89.3	65 - 135


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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-002

Client Sample ID: PZ1 11-12'

Sample Time: 11:10 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

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Client Sample ID: PZ1 11-12'

Sample Time: 11:10 AM

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Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-002

Client Sample ID: PZ1 11-12'

Sample Time: 11:10 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	85.9	65 - 135
Dibromofluoromethane	89.4	57 - 156
Toluene-d8	87.8	65 - 135

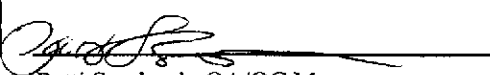
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZ2 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

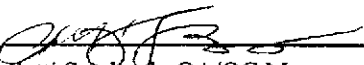
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZ2 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-003

Client Sample ID: PZ2 1-2'

Sample Time: 11:50 AM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	86.5	65 - 135
Dibromofluoromethane	89.0	57 - 156
Toluene-d8	87.4	65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-004

Client Sample ID: PZ2 11.5-12'

Sample Time:

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-004

Client Sample ID: PZ2 11.5-12'

Sample Time:

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-004

Client Sample ID: PZ2 11.5-12'

Sample Time:

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	87.1	65 - 135
Dibromofluoromethane	92.0	57 - 156
Toluene-d8	89.1	65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	20		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	13		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		2.5	20	50	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		2.5	20	50	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		2.5	20	50	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		2.5	100	250	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

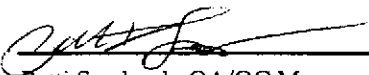
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandro, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		2.5	15	37.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		2.5	25	62.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	150		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		2.5	20	50	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		2.5	20	50	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


DF = Dilution Factor

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DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-005

Client Sample ID: E-5 2.5-3.5'

Sample Time: 1:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		2.5	5	12.5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Surrogate			Surrogate Recovery			Control Limits (%)			
4-Bromofluorobenzene			82.9			65 - 135			
Dibromofluoromethane			93.1			57 - 156			
Toluene-d8			85.4			65 - 135			


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Date: 4/11/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-006

Client Sample ID: E-5 11-12'

Sample Time: 2:00 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-006

Client Sample ID: E-5 11-12'

Sample Time: 2:00 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-006

Client Sample ID: E-5 11-12'

Sample Time: 2:00 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	87.8	65 - 135
Dibromofluoromethane	90.1	57 - 156
Toluene-d8	87.3	65 - 135


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PQL = Practical Quantitation Limit

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-007

Client Sample ID: E-6 4-5'

Sample Time: 12:11 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-007

Client Sample ID: E-6 4-5'

Sample Time: 12:11 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

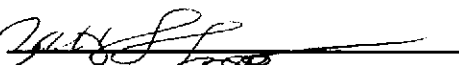
DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-007

Client Sample ID: E-6 4-5'

Sample Time: 12:11 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Surrogate				Surrogate Recovery		Control Limits (%)			
4-Bromofluorobenzene				89.2		65 - 135			
Dibromofluoromethane				91.2		57 - 156			
Toluene-d8				84.2		65 - 135			


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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-008

Client Sample ID: E-6 8.5-9'

Sample Time: 11:18 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-008

Client Sample ID: E-6 8.5-9'

Sample Time: 11:18 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

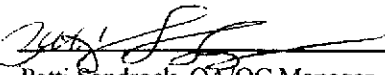
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-008

Client Sample ID: E-6 8.5-9'

Sample Time: 11:18 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

87.2

65 - 135

Dibromofluoromethane

82.4

57 - 156

Toluene-d8

86.1

65 - 135

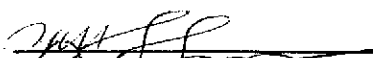
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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-009

Client Sample ID: E-7 4-5'

Sample Time: 1:25 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-009

Client Sample ID: E-7 4-5'

Sample Time: 1:25 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-009

Client Sample ID: E-7 4-5'

Sample Time: 1:25 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Surrogate		Surrogate Recovery			Control Limits (%)				
4-Bromofluorobenzene		87.0			65 - 135				
Dibromofluoromethane		91.0			57 - 156				
Toluene-d8		85.4			65 - 135				

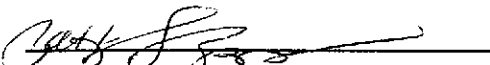
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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-010

Client Sample ID: E-7 11-12'

Sample Time: 1:35 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


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Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-010

Client Sample ID: E-7 11-12'

Sample Time: 1:35 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-010

Client Sample ID: E-7 11-12'

Sample Time: 1:35 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Surrogate		Surrogate Recovery			Control Limits (%)				
4-Bromofluorobenzene		88.4			65 - 135				
Dibromofluoromethane		92.9			57 - 156				
Toluene-d8		85.3			65 - 135				

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-011

Client Sample ID: E-8 4-5'

Sample Time: 2:45 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-011

Client Sample ID: E-8 4-5'

Sample Time: 2:45 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-011

Client Sample ID: E-8 4-5'

Sample Time: 2:45 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	89.0	65 - 135
Dibromofluoromethane	89.7	57 - 156
Toluene-d8	85.1	65 - 135

DF = Dilution Factor

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-012

Client Sample ID: E-8 11-12'

Sample Time: 3:00 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-012

Client Sample ID: E-8 11-12'

Sample Time: 3:00 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-012

Client Sample ID: E-8 11-12'

Sample Time: 3:00 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

87.3

65 - 135

Dibromofluoromethane

91.3

57 - 156

Toluene-d8

85.0

65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-013

Client Sample ID: E-9 1-2'

Sample Time: 10:50 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

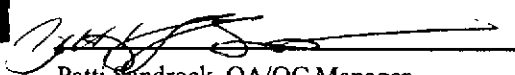
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-013

Client Sample ID: E-9 1-2'

Sample Time: 10:50 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	23		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-013

Client Sample ID: E-9 1-2'

Sample Time: 10:50 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	86.4	65 - 135
Dibromofluoromethane	90.8	57 - 156
Toluene-d8	85.7	65 - 135


DF = Dilution Factor

ND = Not Detected

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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-014

Client Sample ID: E-9 11-12'

Sample Time: 11:05 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

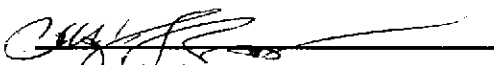
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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-014

Client Sample ID: E-9 11-12'

Sample Time: 11:05 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-014

Client Sample ID: E-9 11-12'

Sample Time: 11:05 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	87.6	65 - 135
Dibromofluoromethane	91.3	57 - 156
Toluene-d8	85.7	65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-015

Client Sample ID: E-10 3-4'

Sample Time: 3:55 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,1-Trichloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2-Trichloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichloropropane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trimethylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromoethane (EDB)	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3,5-Trimethylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,4-Dichlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2,2-Dichloropropane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Butanone (MEK)	ND		2.5	20	50	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chlorotoluene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Hexanone	ND		2.5	20	50	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Chlorotoluene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		2.5	20	50	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Acetone	ND		2.5	100	250	µg/kg	4/10/2003	SMS310021	EPA 8260B
Benzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromochloromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromodichloromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromoform	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

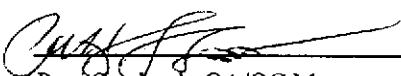
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-015

Client Sample ID: E-10 3-4'

Sample Time: 3:55 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Disulfide	ND		2.5	15	37.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Tetrachloride	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chlorobenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroform	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,2-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,3-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromochloromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromomethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dichlorodifluoromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Diisopropyl Ether	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Ethyl Benzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Freon 113	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Hexachlorobutadiene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Isopropylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methyl-t-butyl Ether	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methylene Chloride	ND		2.5	25	62.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Propylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Naphthalene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
p-Isopropyltoluene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
sec-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Styrene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Amyl Methyl Ether	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butanol	ND		2.5	20	50	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butyl Ethyl Ether	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butylbenzene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrachloroethene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrahydrofuran	ND		2.5	20	50	µg/kg	4/10/2003	SMS310021	EPA 8260B
Toluene	15		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
trans-1,2-Dichloroethene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

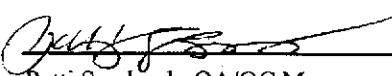
DF = Dilution Factor

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-015

Client Sample ID: E-10 3-4'

Sample Time: 3:55 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichloroethene	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichlorofluoromethane	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Vinyl Chloride	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Xylenes, Total	ND		2.5	5	12.5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

82.4

65 - 135

Dibromofluoromethane

91.1

57 - 156

Toluene-d8

86.1

65 - 135

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-016

Client Sample ID: E-10 11-12'

Sample Time: 3:58 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

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Date: 4/11/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-016

Client Sample ID: E-10 11-12'

Sample Time: 3:58 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/8/2003	SMS310013B	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-016

Client Sample ID: E-10 11-12'

Sample Time: 3:58 PM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/8/2003	SMS310013B	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.8	65 - 135
Dibromofluoromethane	95.5	57 - 156
Toluene-d8	84.6	65 - 135


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-017

Client Sample ID: E-11 4-4.5'

Sample Time: 9:48 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichlorobenzene	53		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,4-Dichlorobenzene	5.7		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/10/2003	SMS310021	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-017

Client Sample ID: E-11 4-4.5'

Sample Time: 9:48 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chlorobenzene	5.7		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Naphthalene	5.9		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/10/2003	SMS310021	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-017

Client Sample ID: E-11 4-4.5'

Sample Time: 9:48 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	82.4	65 - 135
Dibromofluoromethane	90.6	57 - 156
Toluene-d8	84.2	65 - 135


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroek, QA/QC Manager

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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-018

Client Sample ID: E-11 10-11'

Sample Time: 9:37 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/10/2003	SMS310021	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

DF = Dilution Factor

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-018

Client Sample ID: E-11 10-11'

Sample Time: 9:37 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/10/2003	SMS310021	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-018

Client Sample ID: E-11 10-11'

Sample Time: 9:37 AM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	87.4	65 - 135
Dibromofluoromethane	90.6	57 - 156
Toluene-d8	82.6	65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-019

Client Sample ID: E-12 2-3'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/10/2003	SMS310021	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B


DF = Dilution Factor

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-019

Client Sample ID: E-12 2-3'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/10/2003	SMS310021	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

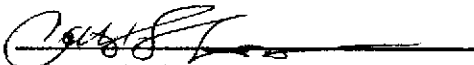
DF = Dilution Factor

ND = Not Detected

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PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-019

Client Sample ID: E-12 2-3'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/10/2003	SMS310021	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	86.2	65 - 135
Dibromofluoromethane	90.9	57 - 156
Toluene-d8	84.5	65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/11/2003	SMS110024	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/11/2003	SMS110024	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B


DF = Dilution Factor

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Date: 4/11/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-020

Client Sample ID: E-12 11-12'

Sample Time: 3:45 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	99.7	65 - 135
Dibromofluoromethane	108.0	57 - 156
Toluene-d8	103.0	65 - 135


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-021

Client Sample ID: E-13 2-3'

Sample Time: 4:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/11/2003	SMS110024	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-021

Client Sample ID: E-13 2-3'

Sample Time: 4:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/11/2003	SMS110024	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

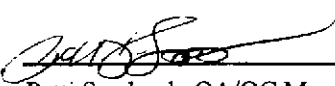
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-021

Client Sample ID: E-13 2-3'

Sample Time: 4:50 PM

Sample Date: 4/2/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	87.4	65 - 135
Dibromofluoromethane	118.0	57 - 156
Toluene-d8	117.0	65 - 135


DF = Dilution Factor

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DLR = Detection Limit Reported

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Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/11/2003	SMS110024	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/11/2003	SMS110024	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

DF = Dilution Factor

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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-022

Client Sample ID: E-13 11-12'

Sample Time: 5:05 PM

Sample Date: 4/3/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.6	65 - 135
Dibromofluoromethane	110.0	57 - 156
Toluene-d8	104.0	65 - 135


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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-023

Client Sample ID: Vault G 3-4'

Sample Time: 9:58 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
2-Hexanone	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Acetone	ND		1	100	100	µg/kg	4/11/2003	SMS110024	EPA 8260B
Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Bromoform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/11/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-023

Client Sample ID: Vault G 3-4'

Sample Time: 9:58 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloroform	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Chloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dibromomethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Freon 113	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Methylene Chloride	ND		1	25	25	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Naphthalene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Styrene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butanol	ND		1	20	20	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Tetrahydrofuran	ND		1	20	20	µg/kg	4/11/2003	SMS110024	EPA 8260B
Toluene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B


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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/11/03
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Project Name:
Project Number: 0200602
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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33913

Lab Sample ID: 33913-023

Client Sample ID: Vault G 3-4'

Sample Time: 9:58 AM

Sample Date: 4/1/2003

Matrix: Solid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
trans-1,3-Dichloropropene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichloroethene	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/Kg	4/11/2003	SMS110024	EPA 8260B
Surrogate				Surrogate Recovery		Control Limits (%)			
4-Bromofluorobenzene				99.2		65 - 135			
Dibromofluoromethane				112.0		57 - 156			
Toluene-d8				104.0		65 - 135			


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STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: SM8299

Matrix: Solid

Units: mg/Kg

Date Analyzed: 4/10/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Chromium	EPA 6010B	ND		50		52.18	LCS	104.4			86.9 - 115.3
Copper	EPA 6010B	ND		50		51.39	LCS	102.8			84.9 - 110.3
Nickel	EPA 6010B	ND		50		51.71	LCS	103.4			87.7 - 120.4
Chromium	EPA 6010B	ND		50		51.95	LCSD	103.9	0.44	30.00	86.9 - 115.3
Copper	EPA 6010B	ND		50		51.39	LCSD	102.8	0.00	30.00	84.9 - 110.3
Nickel	EPA 6010B	ND		50		51.5	LCSD	103.0	0.41	30.00	87.7 - 120.4

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Quality Control Results Summary

QC Batch #: SM8300
Matrix: Solid

Units: mg/Kg
Date Analyzed: 4/9/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Chromium	EPA 6010B	ND		50		49.76	LCS	99.5			86.9 - 115.3
Copper	EPA 6010B	ND		50		49.37	LCS	98.7			84.9 - 110.3
Nickel	EPA 6010B	ND		50		49.35	LCS	98.7			87.7 - 120.4
Chromium	EPA 6010B	ND		50		50.18	LCSD	100.4	0.84	30.00	86.9 - 115.3
Copper	EPA 6010B	ND		50		49.71	LCSD	99.4	0.69	30.00	84.9 - 110.3
Nickel	EPA 6010B	ND		50		49.87	LCSD	99.7	1.05	30.00	87.7 - 120.4

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: DS4263B
Matrix: Solid

Units: mg/Kg
Date Analyzed: 4/7/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		29.117	LCS	116.5			52.9 - 116.0
Surrogate		Surrogate Recovery		Control Limits (%)							
o-Terphenyl		119.0		50 - 126							
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		28.577	LCSD	114.3	1.87	30.00	52.9 - 116.0
Surrogate		Surrogate Recovery		Control Limits (%)							
o-Terphenyl		116.0		50 - 126							

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Quality Control Results Summary

QC Batch #: DS4265A
Matrix: Solid

Units: mg/Kg
Date Analyzed: 4/5/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		18.556	LCS	74.2			52.9 - 116.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	o-Terphenyl			79.0		50 - 126					
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		23.25	LCSD	93.0	22.46	30.00	52.9 - 116.0
	Surrogate			Surrogate Recovery		Control Limits (%)					
	o-Terphenyl			94.0		50 - 126					

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Quality Control Results Summary

QC Batch #: SMS110024
Matrix: Solid

Units: $\mu\text{g/Kg}$
Date Analyzed: 4/11/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		37.8	LCS	94.5			71.8 - 108.6
Benzene	EPA 8260B	ND		40		44.4	LCS	111.0			69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		40.	LCS	100.0			69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		33.4	LCS	83.5			54.6 - 127.4
Toluene	EPA 8260B	ND		40		39.6	LCS	99.0			68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		40.	LCS	100.0			67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.6	65 - 135
Dibromofluoromethane	87.0	57 - 156
Toluene-d8	96.7	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		125		128.8	LCS	103.0			63.0 - 143.0

Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		37.	LCSD	92.5	2.14	30.00	71.8 - 108.6
Benzene	EPA 8260B	ND		40		44.4	LCSD	111.0	0.00	30.00	69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		39.6	LCSD	99.0	1.01	30.00	69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		35.4	LCSD	88.5	5.81	30.00	54.6 - 127.4
Toluene	EPA 8260B	ND		40		39.4	LCSD	98.5	0.51	30.00	68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		39.8	LCSD	99.5	0.50	30.00	67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.7	65 - 135
Dibromofluoromethane	87.2	57 - 156
Toluene-d8	97.7	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		125		127.	LCSD	101.6	1.41	30.00	63.0 - 143.0

Notes: The % recovery for Benzene is outside of laboratory control limits in LCS/LCSD (high bias) but within % RPD limits. No corrective action required.

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Quality Control Results Summary

QC Batch #: SMS310013
Matrix: Solid

Units: µg/Kg
Date Analyzed: 4/7/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		33.	LCS	82.5			71.8 - 108.6
Benzene	EPA 8260B	ND		40		36.2	LCS	90.5			69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		34.	LCS	85.0			69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		47.2	LCS	118.0			54.6 - 127.4
Toluene	EPA 8260B	ND		40		36.8	LCS	92.0			68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		33.4	LCS	83.5			67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.4	65 - 135
Dibromofluoromethane	89.9	57 - 156
Toluene-d8	90.3	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		256.2	LCS	102.5			63.0 - 143.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.8	65 - 135
Dibromofluoromethane	91.3	65 - 135
Toluene-d8	87.5	65 - 135

Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		33.	LCSD	82.5	0.00	30.00	71.8 - 108.6
Benzene	EPA 8260B	ND		40		36.8	LCSD	92.0	1.64	30.00	69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		34.2	LCSD	85.5	0.59	30.00	69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		48.2	LCSD	120.5	2.10	30.00	54.6 - 127.4
Toluene	EPA 8260B	ND		40		37.	LCSD	92.5	0.54	30.00	68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		35.2	LCSD	88.0	5.25	30.00	67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.2	65 - 135
Dibromofluoromethane	88.6	57 - 156
Toluene-d8	86.1	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		251.	LCSD	100.4	2.05	30.00	63.0 - 143.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.2	65 - 135
Dibromofluoromethane	90.3	65 - 135
Toluene-d8	86.7	65 - 135

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: SMS310013B
Matrix: Solid

Units: µg/Kg
Date Analyzed: 4/8/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
I,1-Dichloroethene	EPA 8260B	ND		40		35	LCS	87.5			71.8 - 108.6
Benzene	EPA 8260B	ND		40		37.6	LCS	94.0			69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		40.6	LCS	101.5			69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		52.4	LCS	131.0			54.6 - 127.4
Toluene	EPA 8260B	ND		40		41.6	LCS	104.0			68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		37.8	LCS	94.5			67.8 - 106.7
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		94.9		65 - 135							
Dibromofluoromethane		89.9		57 - 156							
Toluene-d8		94.6		65 - 135							
Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		254.2	LCS	101.7			63.0 - 143.0
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		87.3		65 - 135							
Dibromofluoromethane		90.3		65 - 135							
Toluene-d8		87.6		65 - 135							
Test: EPA 8260B											
I,1-Dichloroethene	EPA 8260B	ND		40		36.8	LCSD	92.0	5.01	30.00	71.8 - 108.6
Benzene	EPA 8260B	ND		40		40.6	LCSD	101.5	7.67	30.00	69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		42.2	LCSD	105.5	3.86	30.00	69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		53.2	LCSD	133.0	1.52	30.00	54.6 - 127.4
Toluene	EPA 8260B	ND		40		43.8	LCSD	109.5	5.15	30.00	68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		40.6	LCSD	101.5	7.14	30.00	67.8 - 106.7
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		94.5		65 - 135							
Dibromofluoromethane		87.6		57 - 156							
Toluene-d8		92.7		65 - 135							
Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		285.8	LCSD	114.3		30.00	63.0 - 143.0
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		86.4		65 - 135							
Dibromofluoromethane		91.2		65 - 135							
Toluene-d8		84.7		65 - 135							

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: SMS310021
Matrix: Solid

Units: µg/Kg
Date Analyzed: 4/10/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		37.8	LCS	94.5			71.8 - 108.6
Benzene	EPA 8260B	ND		40		37.6	LCS	94.0			69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		34.2	LCS	85.5			69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		33.4	LCS	83.5			54.6 - 127.4
Toluene	EPA 8260B	ND		40		33.2	LCS	83.0			68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		39.4	LCS	98.5			67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.5	65 - 135
Dibromofluoromethane	88.1	57 - 156
Toluene-d8	79.4	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		281	LCS	112.4			63.0 - 143.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.1	65 - 135
Dibromofluoromethane	89.6	65 - 135
Toluene-d8	82.4	65 - 135

Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		39.6	LCSD	99.0	4.65	30.00	71.8 - 108.6
Benzene	EPA 8260B	ND		40		39.2	LCSD	98.0	4.17	30.00	69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		38.4	LCSD	96.0	11.57	30.00	69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		36.6	LCSD	91.5	9.14	30.00	54.6 - 127.4
Toluene	EPA 8260B	ND		40		36.2	LCSD	90.5	8.65	30.00	68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		41.2	LCSD	103.0	4.47	30.00	67.8 - 106.7

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.3	65 - 135
Dibromofluoromethane	91.1	57 - 156
Toluene-d8	83.9	65 - 135

Test: TPH as Gasoline - GCMS											
TPH as Gasoline	GC-MS	ND		250		290.4	LCSD	116.2	3.29	30.00	63.0 - 143.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	87.0	65 - 135
Dibromofluoromethane	89.0	65 - 135
Toluene-d8	85.3	65 - 135

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention To: GAIL JONES	Phone No: 209 965-4640	Purchase Order No (REQ):	Send Invoice to (if Different): DAVE SIEGEL	Phone: 510 247 9835
Company Name: ERAS ENVIRONMENTAL	Fax No: 209 965-4641	Project Number: 02 006 02	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4		Project Name: CASTRO VALLEY	Billing Address (if Different): 20861 WILBEAM AVE #4	
City: Castro Valley		State: CA Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY State: CA Zip: 94546

Sampler: WKM	Field Org. Code:	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)
Global ID:	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Made by OCERS <input type="checkbox"/> Made by EPA <input type="checkbox"/> Made by KERSA <input type="checkbox"/> Made by FOSD <input type="checkbox"/> Made by... </div> <div> <input type="checkbox"/> From... <input type="checkbox"/> From... <input checked="" type="checkbox"/> From... <input type="checkbox"/> From... <input type="checkbox"/> From... </div> </div>	

Order ID	Client ID	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	PH9	VOC	8260	Remarks
	PZ1	3-3.5				S			/					
	PZ1	11-12				S			/					
	PZ2	1-2				S			/					
	PZ2	11.5-12				S			/					
	ES	2.5-3.5				S			/					
	ES	11-12				S			/					
	E6	4-5				S			/					
	E6	8.5-9				S			/					
	E7	4-5				S			/					
	E7	11-12				S			/					
	E8	4-5				S			/					
	E8	11-12				S			/					

Requisitioned by: KATSY CORDOZA	Received by: <i>[Signature]</i>	Date: 9/3/03	Time: 1:48	Special Instructions or Comments: <input type="checkbox"/> NPDES Detection Limits <input type="checkbox"/> EDD Report Required <input type="checkbox"/> EDF Report Required <input type="checkbox"/> PDF File Required Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr , Co, Cu , Fe, Pb, Mg, Mn, Hg, Mo, Ni , K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, V, Zn, W. RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Requisitioned by:	Received by:	Date:	Time:	
Requisitioned by:	Received by:	Date:	Time:	
Requisitioned by:	Received by:	Date:	Time:	

P. 01/01

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

TOTAL P. 01

Attention to: GAIL JONES		Phone No.: 209 965-4640	Purchase Order No. (Req'd):	Send Invoice to (if Different): DAVE SIEGEL	Phone: 510 247 9885
Company Name: ERAS ENVIRONMENTAL		Fax No.: 209 965-4641	Project Number: 02 006 02	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4		email: eras@earthlink	Project Name:	Billing Address (if Different): 20861 WILBEAM AVE #4	
City: Castro Valley		State: CA	Zip: 94546	Project Location: 1549 32ND ST	City, State, Zip: CASTRO VALLEY CA 94546

Sampler: WKM	Field Org. Code:	Turn Around Time	
Global ID:		<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day
		<input type="checkbox"/> 2 Day	<input type="checkbox"/> 3 Day
		<input type="checkbox"/> 4 Day	<input type="checkbox"/> 5 Day
		<input checked="" type="checkbox"/> Standard (10 Day)	

Order ID:			Sampling		Matrix	Composite	Grab	Containers	Preservative	Notes	Remarks
Client ID	Field PT	Lab. No.	Date	Time							
E9	1-2				S						
E9	11-12				S						
E10	3-4				S						
E10	11-12				S						
E11	4-4.5				S						
E11	10-11				S						
E12	2-3				S						
E12	11-12				S						
E13	2-3				S						
E13	11-12				S						
VAULT					S						

Requested by: [Signature]	Received by: [Signature]	Date: 7/5/03	Time: 1:48	Special Instructions or Comments
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	

Metals: **Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W** : RCRA-8 CAM-17 Plating PPM-13 LUFT-5

ENTECH MAR-26-2003 12:48

Entech Analytical Labs, Inc.

3334 Victor Court (408) 586-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

TOTAL P.01

Attention to: GAIL JONES		Phone No.: 209 965-4640	Purchase Order No. (If Applicable)	Send Invoice to (if different): DAVE SIEGEL	Phone: 510 247 9835
Company Name: ERAS ENVIRONMENTAL		Fax No.: 209 965-4641	Project Number: 0200602	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4		email: er203@earthlink	Project Name:	Billing Address (if different): 20861 WILBEAM AVE #4	
City: Castro Valley		State: CA	Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY State: CA Zip: 94546

Sampler: Wkm	Field Org. Code:	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> Standard (10 Day) <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day																																																																						
Global ID:	<table border="1"> <tr><td><input type="checkbox"/> Volatile Organics by GC/MS</td><td><input type="checkbox"/> 801000</td></tr> <tr><td><input type="checkbox"/> Semi-Volatile Organics by GC/MS</td><td><input type="checkbox"/> 802000</td></tr> <tr><td><input type="checkbox"/> Pesticides by GC/MS</td><td><input type="checkbox"/> 803000</td></tr> <tr><td><input type="checkbox"/> PCBs by AAS</td><td><input type="checkbox"/> 804000</td></tr> <tr><td><input type="checkbox"/> Lead by DREL/AA</td><td><input type="checkbox"/> 805000</td></tr> <tr><td><input type="checkbox"/> Cadmium by AAS</td><td><input type="checkbox"/> 806000</td></tr> <tr><td><input type="checkbox"/> Mercury by Cold Vapor</td><td><input type="checkbox"/> 807000</td></tr> <tr><td><input type="checkbox"/> Copper by AAS</td><td><input type="checkbox"/> 808000</td></tr> <tr><td><input type="checkbox"/> Zinc by AAS</td><td><input type="checkbox"/> 809000</td></tr> <tr><td><input type="checkbox"/> Iron by 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Order ID:		Sampling			Matrix	Composite	Grab	Containers	Preservative	<input type="checkbox"/> Volatile Organics by GC/MS <input type="checkbox"/> Semi-Volatile Organics by GC/MS <input type="checkbox"/> Pesticides by GC/MS <input type="checkbox"/> PCBs by AAS <input type="checkbox"/> Lead by DREL/AA <input type="checkbox"/> Cadmium by AAS <input type="checkbox"/> Mercury by Cold Vapor <input type="checkbox"/> Copper by AAS <input type="checkbox"/> Zinc by AAS <input type="checkbox"/> Iron by AAS <input type="checkbox"/> Manganese by AAS <input type="checkbox"/> Barium by AAS <input type="checkbox"/> Strontium by AAS <input type="checkbox"/> Magnesium by AAS <input type="checkbox"/> Sodium by AAS <input type="checkbox"/> Potassium by AAS <input type="checkbox"/> Fluoride by Ion Chrom <input type="checkbox"/> Nitrate by Ion Chrom <input type="checkbox"/> Nitrite by Ion Chrom <input type="checkbox"/> Ammonia by Ion Chrom <input type="checkbox"/> Sulfate by Ion Chrom <input type="checkbox"/> Chloride by Ion Chrom <input type="checkbox"/> Phosphate by Ion Chrom <input type="checkbox"/> Silica by Ion Chrom <input type="checkbox"/> Hardness by Titrimetric <input type="checkbox"/> Total Dissolved Solids <input type="checkbox"/> Total Suspended Solids <input type="checkbox"/> Total Solids <input type="checkbox"/> Total Phosphorus <input type="checkbox"/> Total Nitrogen <input type="checkbox"/> Ammonia Nitrogen <input type="checkbox"/> Nitrite Nitrogen <input type="checkbox"/> Nitrate Nitrogen <input type="checkbox"/> Orthophosphorus <input type="checkbox"/> Ammonium Nitrogen	<input type="checkbox"/> NPDES Detection Limits <input type="checkbox"/> EDO Report Required <input type="checkbox"/> EDF Report Required <input type="checkbox"/> PDF File Required	Volatile Semi-Volatile Pesticides PCBs Lead Cadmium Mercury Copper Zinc Iron Manganese Barium Strontium Magnesium Sodium Potassium Fluoride Nitrate Nitrite Ammonia Sulfate Chloride Phosphate Silica Hardness TDS TSS Total Solids Total Phosphorus Total Nitrogen Ammonia Nitrogen Nitrite Nitrogen Nitrate Nitrogen Orthophosphorus Ammonium Nitrogen	TPH G & VOC 8240	Heavy Metals Lead Cadmium Mercury Copper Zinc Iron Manganese Barium Strontium Magnesium Sodium Potassium	TOC TIC	Remarks	
Client ID	Field PT	Lab. No.	Date	Time													
PZ 1																	
PZ 2																	
E 5																	
E 6																	
E 7																	
E 8																	
E 9																	
E 10																	
E 11																	
E 12																	
E 13																	

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 9/3/03	Time: 12:48	Special Instructions or Comments <input type="checkbox"/> NPDES Detection Limits <input type="checkbox"/> EDO Report Required <input type="checkbox"/> EDF Report Required <input type="checkbox"/> PDF File Required Metals: Al, As, Sb, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, V, Zn, W: RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Relinquished by:	Received by:	Date:	Time:	
Relinquished by:	Received by:	Date:	Time:	
Relinquished by:	Received by:	Date:	Time:	

MAR-26-2003 12:48 ENTTECH

P. 01/01

TOTAL P. 01

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: GAIL JONES	Phone No.: 209 965-4640	Purchase Order No. (If App.)	Send Invoice to (If Different): DAVE SIEGEL	Phone: 510 247 9835
Company Name: ERAS ENVIRONMENTAL	Fax No.: 209 965-4641	Project Number: 02 006 02	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4	email: eras@erathlink	Project Name:	Billing Address (If Different): 20861 WILBEAM AVE #4	
City: Castro Valley	State: CA Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY State: CA Zip: 94546	

Sampler: Wfm	Field Org. Code:	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)
Global ID:		

Order ID:	Sampling	Matrix	Composite	Grab	Containers	Preservative
Client ID:	Field PT	Lab. No.	Date	Time		

Client ID	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Metals Checked by GCMS: Pb Cd Ni Cr Cu Mn Hg Mo	Metals Checked by AAS: As Sb Sn Bi Se	Metals Checked by ICP: Al Fe Mn Pb Zn Cu Ni Cr Co	Metals Checked by ICP: Ca Mg Sr Ba Pb Zn Cu Ni Cr Co	Metals Checked by ICP: Ag Na Se Sr	Metals Checked by ICP: Ti Sn V Zn W	Metals Checked by ICP: RCRA-8	Metals Checked by ICP: CALM-17	Metals Checked by ICP: Plating	Metals Checked by ICP: PPM-13	Metals Checked by ICP: LUFT-5	Remarks	
PZ-1					W																METALS	
PZ-2					W																	Cu
E5					W																	Cr
E6					W																	Ni
E7					W																	
E8					W																	
E9					W																	
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E12					W																	
E13					W																	

Requested by: <i>[Signature]</i>	Approved by: <i>[Signature]</i>	Date: 7/3/03	Time: 5:11	Special Instructions or Comments Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Co , Cu , Fe, Pb, Mg, Mn, Hg, Mo, Ni , K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W : RCRA-8 <input type="checkbox"/> CALM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	

ENTECH 12:48 PAR-26-2003

12:48 3001 001

P. 01/01

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

TOTAL P. 01

Attention to: GAIL JONES	Phone No. 209 965-4640	Purchase Order No (Ref):	Send Invoice to (if Different): DAVE SIEGEL	Phone: 510 247 9885
Company Name: ERAS ENVIRONMENTAL	Fax No. 209 965-4641	Project Number: 02-006-02	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4	Email: ERAS@ENTECH.COM	Project Name:	Billing Address (if Different): 20861 WILBEAM AVE #4	
City: Castro Valley	State: CA	Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY CA

Sampler: WKM	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)
Global ID:		

<input type="checkbox"/> Volatile Organics by GC/MS	<input type="checkbox"/> PCBs	<input type="checkbox"/> PAHs	<input type="checkbox"/> Metals	<input type="checkbox"/> Pesticides	<input type="checkbox"/> BTEX	<input type="checkbox"/> Chlorinated	<input type="checkbox"/> Cyanides	<input type="checkbox"/> Silicates	<input type="checkbox"/> Phosphates	<input type="checkbox"/> Ammonia	<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Sulfate	<input type="checkbox"/> Chloride	<input type="checkbox"/> Fluoride	<input type="checkbox"/> Cyanide	<input type="checkbox"/> Selenium	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Lead	<input type="checkbox"/> Mercury	<input type="checkbox"/> Copper	<input type="checkbox"/> Zinc	<input type="checkbox"/> Nickel	<input type="checkbox"/> Manganese	<input type="checkbox"/> Chromium	<input type="checkbox"/> Barium	<input type="checkbox"/> Strontium	<input type="checkbox"/> Molybdenum	<input type="checkbox"/> Vanadium	<input type="checkbox"/> Cobalt	<input type="checkbox"/> Iron	<input type="checkbox"/> Tin	<input type="checkbox"/> Antimony	<input type="checkbox"/> Bismuth	<input type="checkbox"/> Tellurium	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Boron	<input type="checkbox"/> Magnesium	<input type="checkbox"/> Sodium	<input type="checkbox"/> Potassium	<input type="checkbox"/> Calcium	<input type="checkbox"/> Barium	<input type="checkbox"/> Strontium	<input type="checkbox"/> Molybdenum	<input type="checkbox"/> Vanadium	<input type="checkbox"/> Cobalt	<input type="checkbox"/> Iron	<input type="checkbox"/> Tin	<input type="checkbox"/> Antimony	<input type="checkbox"/> Bismuth	<input type="checkbox"/> Tellurium	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Boron	<input type="checkbox"/> Magnesium	<input type="checkbox"/> Sodium	<input type="checkbox"/> Potassium	<input type="checkbox"/> Calcium
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Client ID	Field PT	Lab. No.	Sampling		Matrix	Composite	Grab	Containers	Preservative	Remarks
			Date	Time						
PZ 1					✓	✓	2			
PZ 2					✓	✓	3			
E 5					✓	✓	3			HOLD 1 liter for possible PAH & PCB ANALYSIS
E 6					✓	✓	3			
E 7					✓	✓	3			
E 8					✓	✓	3			
E 9					✓	✓	1			
E 10					✓	✓	3			
E 11					✓	✓	3			
E 12					✓	✓	3			
E 13					✓	✓	3			

Requested by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 4/3/09	Time: 10:00	Special Instructions or Comments Hold 1 liter for each (except E9) for possible PAH & PCB ANALYSIS Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, V, Zn, W. RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	

MAR-26-2003 12:48 ENTECH

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention To: GAIL JENSEN	Phone No.: 209 965-4640	Purchase Order No. (Reqd.):	Send Invoice to (if Different): DAVE SIEGEL	Phone: 510 247 9885
Company Name: ERAS ENVIRONMENTAL	Fax No.: 209 965-4641	Project Number: 02 00602	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4	email: eras@earthlink	Project Name:	Billing Address (if Different): 20861 WILBEAM AVE #4	
City: Castro Valley	State: CA	Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY State: CA Zip: 94546

Sampler: WKM	Field Org. Code:	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)
Global ID:		

Order ID:		Sampling		Matrix	Composite	Grab	Containers	Preservative	Volatile Organics by GC/MS: <input type="checkbox"/> Pesticides by GC/MS: <input type="checkbox"/> Metals by ICP: <input type="checkbox"/> PCBs by GC/MS: <input type="checkbox"/> PAHs by GC/MS: <input type="checkbox"/> TOC by TOC Analyzer: <input type="checkbox"/> BOD by 5-Day BOD: <input type="checkbox"/> COD by 5-Day COD: <input type="checkbox"/> Total Solids: <input type="checkbox"/> Dissolved Solids: <input type="checkbox"/> Suspended Solids: <input type="checkbox"/> Specific Gravity: <input type="checkbox"/> pH: <input type="checkbox"/> Temperature: <input type="checkbox"/> Conductivity: <input type="checkbox"/> Turbidity: <input type="checkbox"/> Total Chlorine: <input type="checkbox"/> Total Hardness: <input type="checkbox"/> Total Dissolved Solids: <input type="checkbox"/> Total Suspended Solids: <input type="checkbox"/> Total Solids: <input type="checkbox"/> Specific Gravity: <input type="checkbox"/> pH: <input type="checkbox"/> Temperature: <input type="checkbox"/> Conductivity: <input type="checkbox"/> Turbidity: <input type="checkbox"/>	Remarks											
Client ID:	Field PT	Lab. No.	Date								Time										
E9	1-2	33913-013		013	S		1														
E9	1-12			014	S		1														
E10	3-4			015	S		1														
E10	11-12			016	S		1														
E11	4-4.5			017	S		1														
E11	10-11			018	S		1														
E12	2-3			019	S		1														
E12	11-12			020	S		1														
E13	2-3			021	S		1														
E13	11-12			022	S		1														
VAULTG				023	S		1														

Requested by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 4/3/03	Time: 10:15	Special Instructions or Comments Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr , Co, Cu , Fe, Pb, Mg, Mn, Hg, Mo, Ni , K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W: RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Retransmitted by:	Received by: <i>[Signature]</i>	Date: 4/2/03	Time: 5:45	
Retransmitted by:	Received by:	Date:	Time:	
Retransmitted by:	Received by:	Date:	Time:	

P. 01/01

Entech Analytical Labs, Inc.

3334 Victor Court

(408) 588-0200

Santa Clara, CA 95054

(408) 588-0201 - Fax

Chain of Custody / Analysis Request

TOTAL P.01

Attention to: GAIL JONES		Phone No.: 209 965-4640		Purchase Order No (Reqd.):		Send Invoice to (if Different): DAVE SIEGEL		Phone: 510 247 9885			
Company Name: ERAS ENVIRONMENTAL		Fax No.: 209 965-4641		Project Number: 0200602		Company: ERAS ENVIRONMENTAL					
Mailing Address: 20861 Wilbeam Ave #4		email: eras@earthlink		Project Name:		Billing Address (if Different): 20861 WILBEAM AVE #4					
City: Castro Valley		State: CA		Zip: 94546		Project Location: 1549 32ND ST		City: CASTRO VALLEY			
State: CA		Zip: 94546		Project Location: 1549 32ND ST		City: CASTRO VALLEY		State: CA			
Zip: 94546		Project Location: 1549 32ND ST		City: CASTRO VALLEY		State: CA		Zip: 94546			
Sampler: Wkm		Field Org. Code:		Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)				Global ID:			
Order ID:		Sampling		Matrix		Composite		Grab			
Containers		Preservative		<input type="checkbox"/> Volatile Organics by GC/MS <input type="checkbox"/> Pesticides by GC/MS <input type="checkbox"/> PCBs by GC/MS <input type="checkbox"/> PAHs by GC/MS <input type="checkbox"/> Metals by ICP-AES <input type="checkbox"/> Lead by XRF <input type="checkbox"/> Pesticides by HPLC <input type="checkbox"/> PCBs by EPC <input type="checkbox"/> PAHs by EPC <input type="checkbox"/> Metals by AAS <input type="checkbox"/> Lead by AAS <input type="checkbox"/> Pesticides by AAS <input type="checkbox"/> PCBs by AAS <input type="checkbox"/> PAHs by AAS <input type="checkbox"/> Metals by AAS <input type="checkbox"/> Lead by AAS <input type="checkbox"/> Pesticides by AAS <input type="checkbox"/> PCBs by AAS <input type="checkbox"/> PAHs by AAS		<input type="checkbox"/> NPDES Detection Limits <input type="checkbox"/> EDD Report Required <input type="checkbox"/> EDF Report Required <input type="checkbox"/> PDF File Required					
Client ID:	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks	
PZ1	3-3.5	33913-001			S			1			
PZ1	11-12		002		S			1			
PZ2	1-2		003		S			1			
PZ2	11.5-12		004		S			1			
ES	2.5-3.5		005		S			1			
ES	11-12		006		S			1			
E6	4-5		007		S			1			
E6	8.5-9		008		S			1			
E7	4-5		009		S			1			
E7	11-12		010		S			1			
E8	4-5		011		S			1			
E8	11-12		012		S			1			
Requisitioned by: LAUREY CONDOZZA	Received by: [Signature]	Date: 4/13/03	Time: 5:15	Special Instructions or Comments						<input type="checkbox"/> NPDES Detection Limits <input type="checkbox"/> EDD Report Required <input type="checkbox"/> EDF Report Required <input type="checkbox"/> PDF File Required	
Requisitioned by:	Received by: [Signature]	Date: 4/13/03	Time: 5:45	Metals:						<input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5	
Requisitioned by:	Received by:	Date:	Time:	Al, As, Sb, Ba, Be, B, Cd, Ca, <input checked="" type="checkbox"/> Co, <input checked="" type="checkbox"/> Cu, Fe, Pb, Mg, Mn, Hg, Mo, <input checked="" type="checkbox"/> Ni, K, Si, Ag, Na, Se, Sr,							
Requisitioned by:	Received by:	Date:	Time:	Ti, Sn, Tl, V, Zn, W: RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>							

EMTECH

13:48

MAR-26-2003

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

April 10, 2003

Gail Jones
ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546

Order: 33908	Date Collected: 4/1/2003
Project Name:	Date Received: 4/3/2003
Project Number: 0200602	P.O. Number: 0200602
Project Notes:	

On April 03, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	Chromium	EPA 200.7
	Copper	EPA 200.7
	EPA 8260B	EPA 8260B
	Nickel	EPA 200.7
	TPH as Gasoline - GC/MS	GC-MS
	TPH, Extractable	EPA 8015 MOD. (Extractable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908	Lab Sample ID: 33908-001	Client Sample ID: PZ1							
Sample Time: 2:05 PM	Sample Date: 4/1/2003	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	0.79	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	0.57	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	1.4	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908	Lab Sample ID: 33908-002	Client Sample ID: PZ2							
Sample Time: 1:00 PM	Sample Date: 4/2/2003	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	1.4	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	1.00	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	2.6	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908	Lab Sample ID: 33908-003	Client Sample ID: E-5							
Sample Time: 2:30 PM	Sample Date: 4/2/2003	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	2.9	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	3.6	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	6.6	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908	Lab Sample ID: 33908-004	Client Sample ID: E-6							
Sample Time: 1:10 PM	Sample Date: 4/1/2003	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	0.40	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	0.32	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	0.46	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	3.0	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	2.9	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	7.2	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	1.1	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	0.79	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	2.3	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	1.3	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	1.0	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	2.5	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	0.83	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	0.61	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	1.6	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	2.2	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	2.0	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	5.7	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	2.0	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	1.2	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	2.8	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Chromium	1.5	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Copper	1.2	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7
Nickel	3.5	1	0.005	0.005	mg/L	4/9/2003	4/10/2003	WM8432	EPA 200.7

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-001 Client Sample ID: PZ1
Sample Time: 2:05 PM Sample Date: 4/1/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.0			73 - 151	
			Dibromofluoromethane			95.9			57 - 156	
			Toluene-d8			101.9			77 - 150	

Order ID: 33908 Lab Sample ID: 33908-002 Client Sample ID: PZ2
Sample Time: 1:00 PM Sample Date: 4/2/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.2			73 - 151	
			Dibromofluoromethane			96.3			57 - 156	
			Toluene-d8			105.4			77 - 150	

Order ID: 33908 Lab Sample ID: 33908-003 Client Sample ID: E-5
Sample Time: 2:30 PM Sample Date: 4/2/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.8			73 - 151	
			Dibromofluoromethane			94.8			57 - 156	
			Toluene-d8			104.7			77 - 150	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			87.0		73 - 151	
				Dibromofluoromethane			96.9		57 - 156	
				Toluene-d8			105.2		77 - 150	

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			88.1		73 - 151	
				Dibromofluoromethane			96.3		57 - 156	
				Toluene-d8			105.4		77 - 150	

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
				Surrogate			Surrogate Recovery		Control Limits (%)	
				4-Bromofluorobenzene			86.5		73 - 151	
				Dibromofluoromethane			96.2		57 - 156	
				Toluene-d8			102.6		77 - 150	


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			87.7			73 - 151	
			Dibromofluoromethane			98.5			57 - 156	
			Toluene-d8			102.6			77 - 150	

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.5			73 - 151	
			Dibromofluoromethane			98.3			57 - 156	
			Toluene-d8			102.7			77 - 150	

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			89.6			73 - 151	
			Dibromofluoromethane			97.4			57 - 156	
			Toluene-d8			104.6			77 - 150	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908	Lab Sample ID: 33908-010	Client Sample ID: E-12								
Sample Time: 4:05 PM	Sample Date: 4/2/2003	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			88.1			73 - 151	
			Dibromofluoromethane			95.7			57 - 156	
			Toluene-d8			105.6			77 - 150	

Order ID: 33908	Lab Sample ID: 33908-011	Client Sample ID: E-13								
Sample Time: 5:50 PM	Sample Date: 4/2/2003	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	4/4/2003	WMS310009	GC-MS
			Surrogate			Surrogate Recovery			Control Limits (%)	
			4-Bromofluorobenzene			86.8			73 - 151	
			Dibromofluoromethane			97.1			57 - 156	
			Toluene-d8			103.4			77 - 150	

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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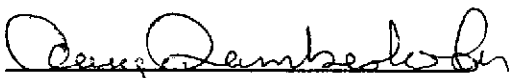
Date: 4/10/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908	Lab Sample ID: 33908-001	Client Sample ID: PZ1								
Sample Time: 2:05 PM	Sample Date: 4/1/2003	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 62.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 62.0		Control Limits (%) 21 - 142
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 62.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 62.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 62.0		Control Limits (%) 32 - 145

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Date: 4/10/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-001 Client Sample ID: PZ1
Sample Time: 2:05 PM Sample Date: 4/1/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 62.0		Control Limits (%) 32 - 145


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 62.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 62.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 62.0		Control Limits (%) 32 - 145

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-002 Client Sample ID: PZ2
Sample Time: 1:00 PM Sample Date: 4/2/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	556	556	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 53.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 53.0		Control Limits (%) 21 - 142	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	111	111	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 53.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	556	556	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 53.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	111	111	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-002

Client Sample ID: PZ2

Sample Time: 1:00 PM

Sample Date: 4/2/2003

Matrix: Liquid

Surrogate o-Terphenyl Surrogate Recovery 53.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	111	111	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 53.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	556	556	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 53.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	111	111	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 53.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

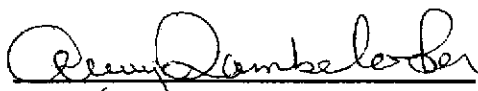
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	556	556	µg/L	4/3/2003	4/4/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 53.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		10	2841	28410	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 120.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		10	568	5680	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 120.0		Control Limits (%) 21 - 142	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		10	2841	28410	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 120.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		10	2841	28410	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 120.0		Control Limits (%) 32 - 145	

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		10	568	5680	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

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Order ID: 33908 Lab Sample ID: 33908-003 Client Sample ID: E-5
 Sample Time: 2:30 PM Sample Date: 4/2/2003 Matrix: Liquid

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145
Comment: Reporting limits increased due to limited sample volume.		

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		10	568	5680	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				o-Terphenyl		120.0		32 - 145		
Comment: Reporting limits increased due to limited sample volume.										

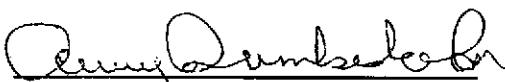
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		10	2841	28410	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				o-Terphenyl		120.0		32 - 145		
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		10	568	5680	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				o-Terphenyl		120.0		32 - 145		
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		10	2841	28410	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
				Surrogate		Surrogate Recovery		Control Limits (%)		
				o-Terphenyl		120.0		32 - 145		
Comment: Reporting limits increased due to limited sample volume.										

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	338	338	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 32 - 145
Comment:	Reporting limits increased due to limited sample volume.									

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	130		1	68	68	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 21 - 142
Comment:	Reported TPH as Diesel value is a result of overlapping Hydraulic Oil into the Diesel quantitation range. Reporting limits increased due to limited sample volume.									

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	338	338	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 32 - 145
Comment:	Reporting limits increased due to limited sample volume.									

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	338	338	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 78.0		Control Limits (%) 32 - 145
Comment:	Reporting limits increased due to limited sample volume.									

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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 Attn: Gail Jones

Date: 4/10/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	68	68	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	68	68	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	338	338	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	68	68	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 78.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	338	338	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908	Lab Sample ID: 33908-004	Client Sample ID: E-6	
Sample Time: 1:10 PM	Sample Date: 4/1/2003	Matrix: Liquid	
	Surrogate o-Terphenyl	Surrogate Recovery 78.0	Control Limits (%) 32 - 145
Comment:	Reporting limits increased due to limited sample volume.		

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



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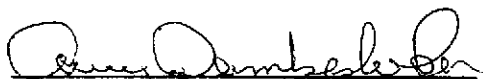
Date: 4/10/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908	Lab Sample ID: 33908-005	Client Sample ID: E-7								
Sample Time: 1:55 PM	Sample Date: 4/1/2003	Matrix: Liquid								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 55.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 55.0		Control Limits (%) 21 - 142
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 55.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 55.0		Control Limits (%) 32 - 145
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 55.0		Control Limits (%) 32 - 145

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 55.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 55.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 55.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 55.0		Control Limits (%) 32 - 145

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-006 Client Sample ID: E-8
Sample Time: 4:50 PM Sample Date: 4/1/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	385	385	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	77	77	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 76.0		Control Limits (%) 21 - 142

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	385	385	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	385	385	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	77	77	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Surrogate o-Terphenyl	Surrogate Recovery 76.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	77	77	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 76.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	385	385	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 76.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	77	77	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 76.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	385	385	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 76.0	Control Limits (%) 32 - 145
---------------------------------	-----------------------------------	---------------------------------------

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	291	291	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 96.0		Control Limits (%) 32 - 145
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	58	58	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 96.0		Control Limits (%) 21 - 142
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	291	291	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 96.0		Control Limits (%) 32 - 145
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	890		1	291	291	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 96.0		Control Limits (%) 32 - 145
Comment: Reporting limits increased due to limited sample volume.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	58	58	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

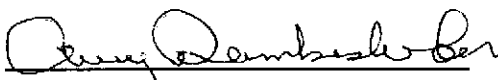
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Surrogate o-Terphenyl Surrogate Recovery 96.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	58	58	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 96.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	291	291	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 96.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	58	58	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 96.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	291	291	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl Surrogate Recovery 96.0 Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	313	313	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 72.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	63	63	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 72.0		Control Limits (%) 21 - 142

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	313	313	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 72.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	670		1	313	313	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 72.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	63	63	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Surrogate o-Terphenyl	Surrogate Recovery 72.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	63	63	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 72.0	Control Limits (%) 32 - 145
--------------------------	----------------------------	--------------------------------

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	313	313	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 72.0	Control Limits (%) 32 - 145
--------------------------	----------------------------	--------------------------------

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	63	63	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 72.0	Control Limits (%) 32 - 145
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Comment: Reporting limits increased due to limited sample volume.

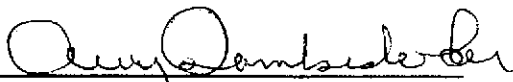
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	313	313	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate o-Terphenyl	Surrogate Recovery 72.0	Control Limits (%) 32 - 145
--------------------------	----------------------------	--------------------------------

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		2	588	1176	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery		Control Limits (%)
								85.0		32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		2	118	236	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery		Control Limits (%)
								85.0		21 - 142

Comment: Reporting limits increased due to limited sample volume. Diesel quantitation range processed as C8 - C12.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		2	588	1176	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery		Control Limits (%)
								85.0		32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		2	588	1176	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery		Control Limits (%)
								85.0		32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		2	118	236	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-009 Client Sample ID: E-11
Sample Time: 10:00 AM Sample Date: 4/2/2003 Matrix: Liquid

Surrogate Surrogate Recovery Control Limits (%)
o-Terphenyl 85.0 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		2	118	236	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate Surrogate Recovery Control Limits (%)
o-Terphenyl 85.0 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		2	588	1176	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate Surrogate Recovery Control Limits (%)
o-Terphenyl 85.0 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		2	118	236	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate Surrogate Recovery Control Limits (%)
o-Terphenyl 85.0 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		2	588	1176	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate Surrogate Recovery Control Limits (%)
o-Terphenyl 85.0 32 - 145

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
 20861 Wilbeam Avenue #4
 Castro Valley, CA 94546
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Date: 4/10/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	250	250	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 70.0		Control Limits (%) 32 - 145	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 70.0		Control Limits (%) 21 - 142	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	250	250	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 70.0		Control Limits (%) 32 - 145	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	250	250	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 70.0		Control Limits (%) 32 - 145	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	50	50	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery 70.0		Control Limits (%) 32 - 145	

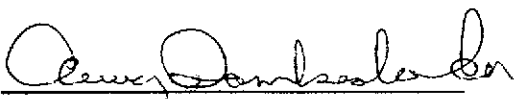
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	50	50	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 70.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 70.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	50	50	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 70.0		Control Limits (%) 32 - 145

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	250	250	µg/L	4/3/2003	4/7/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 70.0		Control Limits (%) 32 - 145

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1	333	333	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	67	67	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 76.0		Control Limits (%) 21 - 142

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1	333	333	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	ND		1	333	333	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 76.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1	67	67	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Surrogate
o-Terphenyl

Surrogate Recovery
76.0

Control Limits (%)
32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1	67	67	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate
o-Terphenyl

Surrogate Recovery
76.0

Control Limits (%)
32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	333	333	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate
o-Terphenyl

Surrogate Recovery
76.0

Control Limits (%)
32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1	67	67	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate
o-Terphenyl

Surrogate Recovery
76.0

Control Limits (%)
32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1	333	333	µg/L	4/3/2003	4/5/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate
o-Terphenyl

Surrogate Recovery
76.0

Control Limits (%)
32 - 145

Comment: Reporting limits increased due to limited sample volume.

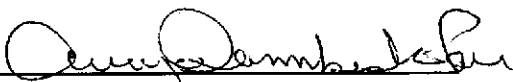
DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-001

Client Sample ID: PZ1

Sample Time: 2:05 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-001

Client Sample ID: PZ1

Sample Time: 2:05 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-001

Client Sample ID: PZ1

Sample Time: 2:05 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

88.0

73 - 151

Dibromofluoromethane

95.9

57 - 156

Toluene-d8

101.9

77 - 150

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-002

Client Sample ID: PZ2

Sample Time: 1:00 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

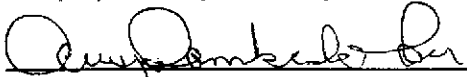
DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-002

Client Sample ID: PZ2

Sample Time: 1:00 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

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ND = Not Detected

DLR = Detection Limit Reported

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-002

Client Sample ID: PZ2

Sample Time: 1:00 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	88.2	73 - 151
Dibromofluoromethane	96.3	57 - 156
Toluene-d8	105.4	77 - 150

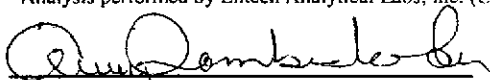
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

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Date: 4/10/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

88.8

73 - 151

Dibromofluoromethane

94.8

57 - 156

Toluene-d8

104.7

77 - 150

DF = Dilution Factor

ND = Not Detected

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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-004

Client Sample ID: E-6

Sample Time: 1:10 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

87.0

73 - 151

Dibromofluoromethane

96.9

57 - 156

Toluene-d8

105.2

77 - 150

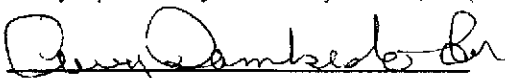
DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-005

Client Sample ID: E-7

Sample Time: 1:55 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

88.1

73 - 151

Dibromofluoromethane

96.3

57 - 156

Toluene-d8

105.4

77 - 150

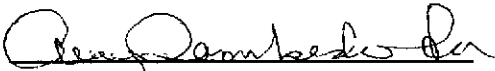
DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

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DLR = Detection Limit Reported

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-006

Client Sample ID: E-8

Sample Time: 4:50 PM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

86.5

73 - 151

Dibromofluoromethane

96.2

57 - 156

Toluene-d8

102.6

77 - 150

DF = Dilution Factor

ND = Not Detected

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PQL = Practical Quantitation Limit

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

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PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-007

Client Sample ID: E-9

Sample Time: 8:15 AM

Sample Date: 4/3/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene
Dibromofluoromethane
Toluene-d8

87.7
98.5
102.6

73 - 151
57 - 156
77 - 150

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandroek, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone (MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandroek, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-008

Client Sample ID: E-10

Sample Time: 9:00 AM

Sample Date: 4/1/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	88.5	73 - 151
Dibromofluoromethane	98.3	57 - 156
Toluene-d8	102.7	77 - 150

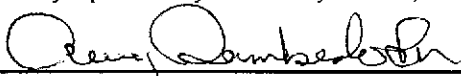
DF = Dilution Factor

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908 Lab Sample ID: 33908-009 Client Sample ID: E-11
Sample Time: 10:00 AM Sample Date: 4/2/2003 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Surrogate				Surrogate Recovery		Control Limits (%)			
4-Bromofluorobenzene				89.6		73 - 151			
Dibromofluoromethane				97.4		57 - 156			
Toluene-d8				104.6		77 - 150			

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

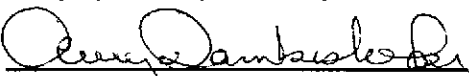
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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandroek, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-010

Client Sample ID: E-12

Sample Time: 4:05 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Surrogate		Surrogate Recovery			Control Limits (%)				
4-Bromofluorobenzene		88.1			73 - 151				
Dibromofluoromethane		95.7			57 - 156				
Toluene-d8		105.6			77 - 150				

DF = Dilution Factor

ND = Not Detected

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,1-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1,2-Trichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,1-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,3-Trichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2,4-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dibromoethane (EDB)	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3,5-Trimethylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,3-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dichlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
1,4-Dioxane	ND		1	50	50	µg/L	4/4/2003	WMS310009	EPA 8260B
2,2-Dichloropropane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Butanone (MEK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
2-Hexanone	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Chlorotoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		1	20	20	µg/L	4/4/2003	WMS310009	EPA 8260B
Acetone	ND		1	100	100	µg/L	4/4/2003	WMS310009	EPA 8260B
Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromodichloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

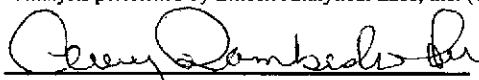
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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/10/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromoform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Bromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Disulfide	ND		1	15	15	µg/L	4/4/2003	WMS310009	EPA 8260B
Carbon Tetrachloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chlorobenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloroform	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Chloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
cis-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromochloromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dibromomethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Dichlorodifluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Diisopropyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Ethyl Benzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Freon 113	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
Hexachlorobutadiene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropanol	ND		1	40	40	µg/L	4/4/2003	WMS310009	EPA 8260B
Isopropylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	4/4/2003	WMS310009	EPA 8260B
Methylene Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
n-Propylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Naphthalene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
p-Isopropyltoluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
sec-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Styrene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butanol	ND		1	10	10	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butyl Ethyl Ether	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
tert-Butylbenzene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrachloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Tetrahydrofuran	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B

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Date: 4/10/03
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Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-011

Client Sample ID: E-13

Sample Time: 5:50 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Toluene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,2-Dichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
trans-1,3-Dichloropropene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichloroethene	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Trichlorofluoromethane	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Vinyl Chloride	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Xylenes, Total	ND		1	5	5	µg/L	4/4/2003	WMS310009	EPA 8260B
Surrogate		Surrogate Recovery			Control Limits (%)				
4-Bromofluorobenzene		86.8			73 - 151				
Dibromofluoromethane		97.1			57 - 156				
Toluene-d8		103.4			77 - 150				

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Quality Control Results Summary

QC Batch #: DW4335A
 Matrix: Liquid

Units: µg/L
 Date Analyzed: 4/4/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		1000		729.33	LCS	72.9			51.7 - 126.0
			Surrogate		Surrogate Recovery		Control Limits (%)				
			o-Terphenyl		81.0		21 - 142				
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		1000		840.11	LCSD	84.0	14.12	25.00	51.7 - 126.0
			Surrogate		Surrogate Recovery		Control Limits (%)				
			o-Terphenyl		91.0		21 - 142				

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: WMS310009
Matrix: Liquid

Units: µg/L
Date Analyzed: 4/4/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits												
Test: EPA 8260B																							
1,1-Dichloroethene	EPA 8260B	ND		20		17.3	LCS	86.5			58.7 - 114.2												
Benzene	EPA 8260B	ND		20		17.6	LCS	88.0			67.6 - 131.8												
Chlorobenzene	EPA 8260B	ND		20		17.4	LCS	87.0			87.7 - 116.2												
Methyl-t-butyl Ether	EPA 8260B	ND		20		16.6	LCS	83.0			54.0 - 130.5												
Toluene	EPA 8260B	ND		20		17.2	LCS	86.0			81.9 - 110.5												
Trichloroethene	EPA 8260B	ND		20		18.3	LCS	91.5			75.5 - 110.2												
<table border="1"> <thead> <tr> <th>Surrogate</th> <th>Surrogate Recovery</th> <th>Control Limits (%)</th> </tr> </thead> <tbody> <tr> <td>4-Bromofluorobenzene</td> <td>96.9</td> <td>73 - 151</td> </tr> <tr> <td>Dibromofluoromethane</td> <td>95.8</td> <td>57 - 156</td> </tr> <tr> <td>Toluene-d8</td> <td>108.4</td> <td>77 - 150</td> </tr> </tbody> </table>												Surrogate	Surrogate Recovery	Control Limits (%)	4-Bromofluorobenzene	96.9	73 - 151	Dibromofluoromethane	95.8	57 - 156	Toluene-d8	108.4	77 - 150
Surrogate	Surrogate Recovery	Control Limits (%)																					
4-Bromofluorobenzene	96.9	73 - 151																					
Dibromofluoromethane	95.8	57 - 156																					
Toluene-d8	108.4	77 - 150																					
Test: EPA 8260B																							
1,1-Dichloroethene	EPA 8260B	ND		20		17.6	LCSD	88.0	1.72	25.00	58.7 - 114.2												
Benzene	EPA 8260B	ND		20		19.2	LCSD	96.0	8.70	25.00	67.6 - 131.8												
Chlorobenzene	EPA 8260B	ND		20		20.3	LCSD	101.5	15.38	25.00	87.7 - 116.2												
Methyl-t-butyl Ether	EPA 8260B	ND		20		19.6	LCSD	98.0	16.57	25.00	54.0 - 130.5												
Toluene	EPA 8260B	ND		20		19.8	LCSD	99.0	14.05	25.00	81.9 - 110.5												
Trichloroethene	EPA 8260B	ND		20		19.3	LCSD	96.5	5.32	25.00	75.5 - 110.2												
<table border="1"> <thead> <tr> <th>Surrogate</th> <th>Surrogate Recovery</th> <th>Control Limits (%)</th> </tr> </thead> <tbody> <tr> <td>4-Bromofluorobenzene</td> <td>99.1</td> <td>73 - 151</td> </tr> <tr> <td>Dibromofluoromethane</td> <td>99.3</td> <td>57 - 156</td> </tr> <tr> <td>Toluene-d8</td> <td>111.4</td> <td>77 - 150</td> </tr> </tbody> </table>												Surrogate	Surrogate Recovery	Control Limits (%)	4-Bromofluorobenzene	99.1	73 - 151	Dibromofluoromethane	99.3	57 - 156	Toluene-d8	111.4	77 - 150
Surrogate	Surrogate Recovery	Control Limits (%)																					
4-Bromofluorobenzene	99.1	73 - 151																					
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Quality Control Results Summary

QC Batch #: WMS310009

Units: µg/L

Matrix: Liquid

Date Analyzed: 4/4/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline - GC-MS											
TPH as Gasoline	GC-MS	ND		250		286.6	LCS	114.6			65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
				4-Bromofluorobenzene	87.3	73 - 151					
				Dibromofluoromethane	95.8	57 - 156					
				Toluene-d8	102.5	77 - 150					
Test: TPH as Gasoline - GC-MS											
TPH as Gasoline	GC-MS	ND		250		305.	LCSD	122.0	6.22	25.00	65.0 - 135.0
Surrogate			Surrogate Recovery			Control Limits (%)					
				4-Bromofluorobenzene	86.9	73 - 151					
				Dibromofluoromethane	95.1	57 - 156					
				Toluene-d8	101.8	77 - 150					

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Quality Control Results Summary

QC Batch #: WM8432
Matrix: Liquid

Units: mg/L
Date Analyzed: 4/10/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Chromium	EPA 200.7	ND		0.5		0.5124	LCS	102.5			93.2 - 120.3
Copper	EPA 200.7	ND		0.5		0.5105	LCS	102.1			93.2 - 115.5
Nickel	EPA 200.7	ND		0.5		0.5444	LCS	108.9			96.1 - 127.5
Chromium	EPA 200.7	ND		0.5		0.5231	LCSD	104.6	2.07	25.00	93.2 - 120.3
Copper	EPA 200.7	ND		0.5		0.5197	LCSD	103.9	1.79	25.00	93.2 - 115.5
Nickel	EPA 200.7	ND		0.5		0.5471	LCSD	109.4	0.49	25.00	96.1 - 127.5

P. 01-01

Entech Analytical Labs, Inc.

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Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

TOTAL P. 01

Allegation to: GAIL JONES		Phone No.: 209 965-4640	Purchase Order No (Req'd):	Send Invoice to (if different): DAVE SIEGEL	Phone: 510 247 9885
Company Name: ERAS ENVIRONMENTAL		Fax No.: 209 965-4641	Project Number: 02 006 02	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4		email: eras@earthlink	Project Name:	Billing Address (if different): 20861 WILBEAM AVE #4	
City: Castro Valley		State: CA	Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY
		State: CA	Zip: 94546	State: CA	Zip: 94546

Sampler: WKM	Field Org. Code:	Turn Around Time
Global ID:		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)

Order ID:	Sampling	Matrix	Composite	Grab	Containers	Preservative	Remarks
-----------	----------	--------	-----------	------	------------	--------------	---------

Client ID	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks
PZ 1	33408	001			W		✓	2		
PZ 2		002			W		✓	3		
E 5		003			W		✓	3		
E 6		004			W		✓	3		
E 7		005			W		✓	3		
E 8		006			W		✓	3		
E 9		007			W		✓	1		
E 10		008			W		✓	3		
E 11		009			W		✓	3		
E 12		010			W		✓	3		
E 13		011			W		✓	3		

Handwritten notes:
 1 LITER
 for possible PAH & PCB ANALYSIS

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 9/26/03	Time: 15:15
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments: **Hold 1 liter for each (except E 9) for possible PAH & PCB ANALYSIS**

Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W: RCRA-8 CAM-17 Plating PPM-13 LUFT-5

NPDES Detection Limits
 EDD Report Required
 EDF Report Required
 PDF File Required

MAR-26-2003 12:48 ENTECH

1504-0001-01

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: GAIL JONES	Phone No.: 209 965-4640	Purchase Order: No (Reqd.)	Send Invoice to (if Different)	Phone: 510 247 9885
Company Name: ERAS ENVIRONMENTAL	Fax No.: 209 965-4641	Project Number: 0200602	Company: ERAS ENVIRONMENTAL	
Mailing Address: 20861 Wilbeam Ave #4	email: er23@er2rthllnll.com	Project Name:	Billing Address (if Different): 20861 WILBEAM AVE #4	
City: Castro Valley	State: CA Zip: 94546	Project Location: 1549 32ND ST	City: CASTRO VALLEY State: CA Zip: 94546	

Sampler: WKM	Field Org. Code:	Turn Around Time
Global ID:		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> Standard (10 Day)

Order ID:	Sampling	Matrix	Composite	Grab	Containers	Preservative	Remarks
Client ID:	Field PT	Lab. No.	Date	Time			

Client ID	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks
PZ 1	33908	001			W		✓	4	HCL	
PZ 2		002			W		✓	4		
E 5		003			W		✓	4		
E 6		004			W		✓	4		
E 7		005			W		✓	6		
E 8		006			W		✓	4		
E 9		007			W		✓	4		
E 10		008			W		✓	4		
E 11		009			W		✓	4		
E 12		010			W		✓	4		
E 13		011			W		✓	6		

Requested by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 4/3/03	Time: 7:55	Special Instructions or Comments
Requested by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 4/3/03	Time: 5:30	
Requested by:	Received by:	Date:	Time:	
Requested by:	Received by:	Date:	Time:	

Metals:
Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W: RCRA-8 CAM-17 Plating PPM-13 LUFT-5

1594-2003-002

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

May 12, 2003

Gail Jones

ERAs Environmental

20861 Wilbeam Avenue #4

Castro Valley, CA 94546

Order: 33908

Date Collected: 4/1/2003

Project Name:

Date Received: 4/3/2003

Project Number: 0200602

P.O. Number: 0200602

Project Notes:

On April 03, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	TPH, Extractable	EPA 8015 MOD. (Extractable)

Case Narrative: Report re-issued for samples 33908-003 (E-5) and 33908-009 (E-11) to correct the DLR. A correction factor was erroneously applied in the originally reported values. As a result of the re-issue, data for TPH as Hydraulic Oil now reflects reportable results in both samples. All associated CQ has been re-validated.

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 5/12/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		10	284	2840	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 120.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		10	57	570	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 120.0		Control Limits (%) 21 - 142

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		10	284	2840	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 120.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	5300		10	284	2840	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 120.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		10	57	570	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
 20861 Wilbeam Avenue #4
 Castro Valley, CA 94546
 Attn: Gail Jones

Date: 5/12/03
 Date Received: 4/3/2003
 Project Name:
 Project Number: 0200602
 P.O. Number: 0200602
 Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-003

Client Sample ID: E-5

Sample Time: 2:30 PM

Sample Date: 4/2/2003

Matrix: Liquid

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		10	57	570	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		10	284	2840	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		10	57	570	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

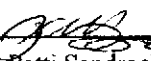
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		10	284	2840	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	120.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


 Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 5/12/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		2	294	588	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 85.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		2	59	118	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 85.0		Control Limits (%) 21 - 142

Comment: Reporting limits increased due to limited sample volume. Diesel quantitation range processed as C8 - C12.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		2	294	588	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 85.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	890		2	294	588	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 85.0		Control Limits (%) 32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		2	59	118	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 5/12/03
Date Received: 4/3/2003
Project Name:
Project Number: 0200602
P.O. Number: 0200602
Sampled By: W. McIntosh

Certified Analytical Report

Order ID: 33908

Lab Sample ID: 33908-009

Client Sample ID: E-11

Sample Time: 10:00 AM

Sample Date: 4/2/2003

Matrix: Liquid

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		2	59	118	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		2	294	588	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		2	59	118	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		2	294	588	µg/L	4/3/2003	4/8/2003	DW4335A	EPA 8015 MOD. (Extractable)

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.0	32 - 145

Comment: Reporting limits increased due to limited sample volume.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

10-P TAJL01

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Client Name: <i>Grill Jones</i>	Phone No.: <i>209 965 4640</i>	Purchase Order No (Reqd):	Send Invoice to (if Different): <i>Dave Siegel</i>	Phone: <i>510 247 9885</i>
Company Name: <i>ERAS Environmental</i>	Fax No.: <i>209 965 4641</i>	Project Number: <i>02 006 02</i>	Company: <i>ERAS</i>	
Billing Address: <i>20861 Wilbeaux Ave #4</i>	email: <i>eras@earthlink.net</i>	Project Name: <i>Precision</i>	Billing Address (if Different):	
City: <i>Castro Valley</i>	State: <i>CA</i>	Zip: <i>94546</i>	Project Location: <i>1549 32nd St</i>	City: State Zip

Sampler: <i>D. Siegel</i>	Field Org. Code:	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> Standard (10 Day) <input type="checkbox"/> 1 Day <input checked="" type="checkbox"/> 3 Day * <input type="checkbox"/> 6 Day	<i>PAH & PCB only</i>
Global ID: <i>None</i>	<i>VOC ES</i>		

Client ID:	Field PT	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks
	<i>Pit D</i>	<i>33856-1</i>	<i>4/1/03</i>	<i>9:40</i>	<i>0</i>				<i>X</i>	<i>33856-1</i>
	<i>Vault E</i>	<i>33856-2</i>		<i>953</i>	<i>0</i>				<i>X</i>	<i>-2</i>
	<i>Vault F</i>	<i>33856-3</i>		<i>940</i>	<i>0</i>				<i>X</i>	<i>-3</i>
	<i>Vault H</i>	<i>33856-4</i>		<i>100</i>	<i>0</i>				<i>X</i>	<i>-4</i>
	<i>Vault I</i>	<i>33856-5</i>		<i>1020</i>	<i>0</i>				<i>X</i>	<i>-5</i>
	<i>Vault J</i>	<i>33856-6</i>	<i>4/1/03</i>	<i>1023</i>	<i>0</i>				<i>X</i>	<i>-6</i>
<i>This supersedes previous chain of custody for order 33856</i>										

Requested by: <i>Gaithle Jones</i>	Received by: <i>By Fax</i>	Date: <i>4/2/03</i>	Time:	Special instructions or Comments: <i>* 1 report PAH & PCB 3 day TAT</i> Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W: RCRA-8 <input type="checkbox"/> CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>	<input type="checkbox"/> NPDES Detection Limits
Requested by:	Received by:	Date:	Time:		<input type="checkbox"/> EDD Report Required
Requested by:	Received by:	Date:	Time:		<input type="checkbox"/> EDF Report Required
Requested by:	Received by:	Date:	Time:		<input type="checkbox"/> PDF File Required

TOTAL P.02

Entech Analytical Labs, Inc.

3334 Victor Court

(408) 588-0200

Santa Clara, CA 95054

(408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: Gail Jones	Phone No.: (209) 965-4640	Purchase Order No.:	Send Invoice to (if Different): David Siegel	Phone: (510) 247-9885
Company Name: ERAS Environmental, Inc	Fax No.: (209) 965-4641	Project Number: 02-006-02	Company:	
Mailing Address: 20861 Wilbur Ave #4	E-mail: eras@earthlink.net	Project Name:	Billing Address (if Different):	
City: Castro Valley	State: CA	Zip: 94546	Project Location: 1549 32nd St	City: State Zip

Sampler: Skip McIntosh	Same Day <input type="checkbox"/> Turn 24 Hour <input type="checkbox"/> Around 48 Hour <input type="checkbox"/> Time 72 Hour <input checked="" type="checkbox"/> Standard <input type="checkbox"/>	RUSH PAHs PCBs Volatile Organics by GC/MS: From 113 to 224 <input type="checkbox"/> Fuel Organics by GC/MS: From 225 to 320 <input type="checkbox"/> MTBE by GC/MS <input type="checkbox"/> Pesticides: 808 I <input type="checkbox"/> Halogenated or Aromatic Volatiles: 601, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000 <input type="checkbox"/> TPH as Gas/BTEX <input type="checkbox"/> Base Multihalogenated Organics: 8270 <input type="checkbox"/> Fuel Scan <input type="checkbox"/> Diesel <input type="checkbox"/> Extractions: w/ Siegel Standard Cleanup <input type="checkbox"/> w/ Siegel Column Cleanup <input type="checkbox"/> TPH <input type="checkbox"/> Oil & Grease <input type="checkbox"/> THM (502.2) <input type="checkbox"/> Metals - Circle Below <input type="checkbox"/> Total <input type="checkbox"/> Dissolved <input type="checkbox"/>
Date:	Order ID:	

Client ID	Laboratory No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Remarks
Pit D	33856-001	4/1/03	9:40	S					
Vault E	002		9:53	S					Oil coll by David Siegel 4/6/03
Vault F	003		9:40	S					
Vault H	004		10:10	S					
Vault I	005		10:20	S					
Vault J	006		10:23	S					

72 HR RUSH

Relinquished by: David Siegel	Received by: [Signature]	Date: 04-01-03	Time: 14:50	Special Instructions or Comments * Rush turnaround for PAHs & PCBs only Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W: CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Relinquished by:	Received by: [Signature]	Date: 4/1/03	Time: 16:12	
Relinquished by:	Received by:	Date:	Time:	
Relinquished by:	Received by:	Date:	Time:	

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

April 14, 2003

Gail Jones
ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546

Order: 33856
Project Name:
Project Number: 02-006-02
Project Notes:

Date Collected: 4/1/2003
Date Received: 4/1/2003
P.O. Number: 02-006-02

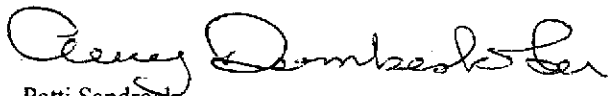
On April 01, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Oil	EPA 8260B TPH, Extractable	EPA 8260B EPA 8015 MOD. (Extractable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,


Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		500	13	6500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 65 - 135

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		500	1	500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 67 - 121

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		500	13	6500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	18000		500	13	6500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		500	1	500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		500	1	500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		500	13	6500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		500	1	500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		500	13	6500	mg/Kg	4/2/2003	4/6/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Recoverable. Surrogate recovery not recoverable due to dilution.

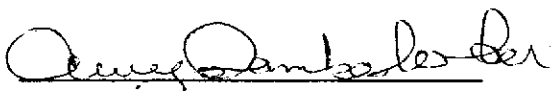
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856 Lab Sample ID: 33856-003 Client Sample ID: Vault F
Sample Time: 9:40 AM Sample Date: 4/1/2003 Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		5	1	5	mg/Kg	4/2/2003	4/8/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	93		5	13	65	mg/Kg	4/2/2003	4/8/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		5	1	5	mg/Kg	4/2/2003	4/8/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		5	13	65	mg/Kg	4/2/2003	4/8/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 103.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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Attn: Gail Jones

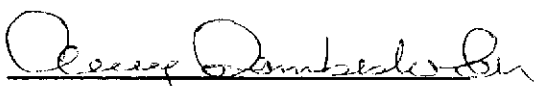
Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856	Lab Sample ID: 33856-004	Client Sample ID: Vault H								
Sample Time: 10:10 AM	Sample Date: 4/1/2003	Matrix: Oil								
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 65 - 135
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1000	1	1000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 67 - 121
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	29000		1000	13	13000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1000	1	1000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandfock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1000	1	1000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1000	1	1000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 130
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.										

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/5/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery NR		Control Limits (%) 40 - 128
Comment: NR = Not Recoverable. Surrogate recovery not recoverable due to dilution.										

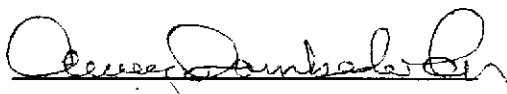
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856 Lab Sample ID: 33856-005 Client Sample ID: Vault I
Sample Time: 10:20 AM Sample Date: 4/1/2003 Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 65 - 135

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	1100		1000	1	1000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 67 - 121

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	43000		1000	13	13000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

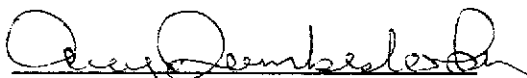
Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		1000	1	1000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandroek, QA/QC Manager

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ERAs Environmental
 20861 Wilbeam Avenue #4
 Castro Valley, CA 94546
 Attn: Gail Jones

Date: 4/14/03
 Date Received: 4/1/2003
 Project Name:
 Project Number: 02-006-02
 P.O. Number: 02-006-02
 Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-005

Client Sample ID: Vault I

Sample Time: 10:20 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		1000	1	1000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		1000	1	1000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 130

Comment: NR = Not Reportable. Surrogate recovery not reportable due to dilution.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		1000	13	13000	mg/Kg	4/2/2003	4/11/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery NR		Control Limits (%) 40 - 128

Comment: NR = Not Recoverable. Surrogate recovery not recoverable due to dilution.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Bunker Oil	ND		5	13	65	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		5	1	5	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 67 - 121

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Heating Oil	ND		5	13	65	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Hydraulic Oil	110		5	13	65	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Jet Fuel (Jet A)	ND		5	1	5	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 88.0		Control Limits (%) 40 - 130

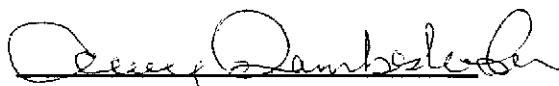
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrosk, QA/QC Manager

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20861 Wilbeam Avenue #4
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Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856 Lab Sample ID: 33856-006 Client Sample ID: Vault J
Sample Time: 10:23 AM Sample Date: 4/1/2003 Matrix: Oil


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Kerosene	ND		5	1	5	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 88.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		5	13	65	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 88.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Stoddard Solvent	ND		5	1	5	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 88.0		Control Limits (%) 40 - 130

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Transformer Oil	ND		5	13	65	mg/Kg	4/2/2003	4/2/2003	DS4263A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 88.0		Control Limits (%) 40 - 128

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-001

Client Sample ID: Pit D

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		2500	20	50000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		2500	20	50000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		2500	20	50000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		2500	100	250000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-001

Client Sample ID: Pit D

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		2500	15	37500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		2500	20	50000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		2500	20	50000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-001

Client Sample ID: Pit D

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		2500	5	12500	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Surrogate			Surrogate Recovery			Control Limits (%)			
4-Bromofluorobenzene			84.8			65 - 135			
Dibromofluoromethane			89.2			65 - 156			
Toluene-d8			87.6			77 - 150			

Comment: Sample diluted due to the nature of the sample matrix.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		50	100	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	84.4	65 - 135
Dibromofluoromethane	85.9	65 - 156
Toluene-d8	89.7	77 - 150

Comment: Sample diluted due to the nature of the sample matrix.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-003

Client Sample ID: Vault F

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		50	100	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-003

Client Sample ID: Vault F

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-003

Client Sample ID: Vault F

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
	Surrogate			Surrogate Recovery			Control Limits (%)		
	4-Bromofluorobenzene			83.7			65 - 135		
	Dibromofluoromethane			88.1			65 - 156		
	Toluene-d8			88.2			77 - 150		

Comment: Sample diluted due to the nature of the sample matrix.

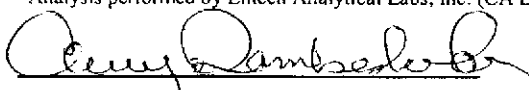
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandreck, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		50	100	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

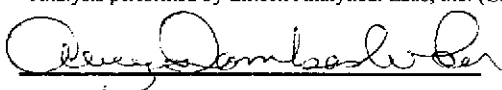
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	83.5	65 - 135
Dibromofluoromethane	86.0	65 - 156
Toluene-d8	89.7	77 - 150

Comment: Sample diluted due to the nature of the sample matrix.

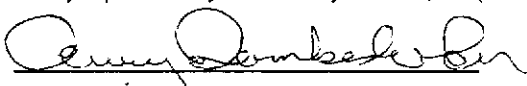
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)



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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-005

Client Sample ID: Vault I

Sample Time: 10:20 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		250	20	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		250	20	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		250	20	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		250	100	25000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-005

Client Sample ID: Vault I

Sample Time: 10:20 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		250	15	3750	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		250	20	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		250	20	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip Mcintosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-005

Client Sample ID: Vault I

Sample Time: 10:20 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		250	5	1250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	85.5	65 - 135
Dibromofluoromethane	89.4	65 - 156
Toluene-d8	86.4	77 - 150

Comment: Sample diluted due to the nature of the sample matrix.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

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3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
1,1,1,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,1-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2,2-Tetrachloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1,2-Trichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,1-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,3-Trichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2,4-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromo-3-Chloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dibromoethane (EDB)	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3,5-Trimethylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,3-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
1,4-Dichlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2,2-Dichloropropane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Butanone (MEK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chloroethyl-vinyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
2-Hexanone	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Chlorotoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
4-Methyl-2-Pentanone(MIBK)	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Acetone	ND		50	100	5000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromodichloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Bromoform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Bromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Disulfide	ND		50	15	750	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Carbon Tetrachloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chlorobenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloroform	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Chloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
cis-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromochloromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dibromomethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Dichlorodifluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Diisopropyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Ethyl Benzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Hexachlorobutadiene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Isopropylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methyl-t-butyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Methylene Chloride	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
n-Propylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Naphthalene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
p-Isopropyltoluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
sec-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Styrene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Amyl Methyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butanol	ND		50	20	1000	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butyl Ethyl Ether	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
tert-Butylbenzene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Tetrachloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Toluene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,2-Dichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
trans-1,3-Dichloropropene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Trichloroethene	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/14/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Trichlorofluoromethane	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Vinyl Chloride	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, m+p	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
Xylene, o	ND		50	5	250	µg/Kg	4/7/2003	SMS310013	EPA 8260B
	Surrogate			Surrogate Recovery			Control Limits (%)		
	4-Bromofluorobenzene			80.0			65 - 135		
	Dibromofluoromethane			87.9			65 - 156		
	Toluene-d8			89.4			77 - 150		

Comment: Sample diluted due to the nature of the sample matrix.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

April 04, 2003

Gail Jones

ERAs Environmental

20861 Wilbeam Avenue #4

Castro Valley, CA 94546

Order: 33856

Date Collected: 4/1/2003

Project Name:

Date Received: 4/1/2003

Project Number: 02-006-02

P.O. Number: 02-006-02

Project Notes:

On April 01, 2003, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Oil	EPA 8082A	EPA 8082A
	EPA 8270C PAH	EPA 8270C

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-001

Client Sample ID: Pit D

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Acenaphthene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Fluorene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Phenanthrene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Anthracene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Fluoranthene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Pyrene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Chrysene	ND		25	66	1650	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		25	33	825	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	72.5	43 - 116
Nitrobenzene-d5	111.0	35 - 114
p-Terphenyl-d14	84.4	33 - 141

Comment: Reporting limit increased due to sample matrix (pure product). Sample analyzed at a 25 fold dilution due to matrix interference.


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip Mcintosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-001

Client Sample ID: Pit D

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	94.5	60 - 140

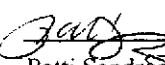
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856 Lab Sample ID: 33856-002 Client Sample ID: Vault E
Sample Time: 9:53 AM Sample Date: 4/1/2003 Matrix: Oil


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Acenaphthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Fluorene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Phenanthrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Pyrene	ND		10	3.3	33	ng/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Chrysene	ND		10	6.6	66	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/2/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	93.5	43 - 116
Nitrobenzene-d5	71.4	35 - 114
p-Terphenyl-d14	106.0	33 - 141

Comment: Sample analyzed at a ten fold dilution due to sample matrix (Oil).

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-002

Client Sample ID: Vault E

Sample Time: 9:53 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	107.7	60 - 140

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-003

Client Sample ID: Vault F

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Acenaphthene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Fluorene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Phenanthrene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Anthracene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Fluoranthene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Pyrene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Chrysene	ND		5	6.6	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		5	3.3	16.5	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		5	3.3	16.5	ng/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	41.9	43 - 116
Nitrobenzene-d5	48.0	35 - 114
p-Terphenyl-d14	59.4	33 - 141

Comment: Sample analyzed at a five fold dilution due to sample matrix (Oil).

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-003

Client Sample ID: Vault F

Sample Time: 9:40 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	136.8	60 - 140

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Acenaphthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Fluorene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Phenanthrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Chrysene	ND		10	6.6	66	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/3/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	67.0	43 - 116
Nitrobenzene-d5	63.7	35 - 114
p-Terphenyl-d14	81.7	33 - 141

Comment: Sample analyzed at a ten fold dilution due to sample matrix (Oil).


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-004

Client Sample ID: Vault H

Sample Time: 10:10 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
				Surrogate			Surrogate Recovery		Control Limits (%)	
				Decachlorobiphenyl			55.3		60 - 140	

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


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Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856 Lab Sample ID: 33856-005 Client Sample ID: Vault I
Sample Time: 10:20 AM Sample Date: 4/1/2003 Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Acenaphthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Fluorene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Phenanthrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Chrysene	ND		10	6.6	66	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	46.7	43 - 116
Nitrobenzene-d5	29.5	35 - 114
p-Terphenyl-d14	69.3	33 - 141

Comment: Sample analyzed at a ten fold dilution due to sample matrix (Oil).

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-005

Client Sample ID: Vault I

Sample Time: 10:20 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	79.3	60 - 140

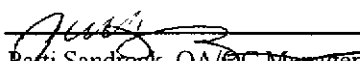
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Naphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
2-Methylnaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
2-Chloronaphthalene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Acenaphthylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Acenaphthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Fluorene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Phenanthrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(a)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Chrysene	ND		10	6.6	66	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(b)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(k)fluoranthene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(a)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Indeno(1,2,3-cd)pyrene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Dibenz(a,h)anthracene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C
Benzo(g,h,i)perylene	ND		10	3.3	33	mg/Kg	4/2/2003	4/4/2003	BS5213A	EPA 8270C

Surrogate	Surrogate Recovery	Control Limits (%)
2-Fluorobiphenyl	14.4	43 - 116
Nitrobenzene-d5	19.1	35 - 114
p-Terphenyl-d14	44.8	33 - 141

Comment: Sample analyzed at a ten fold dilution due to sample matrix (Oil).

Comment: Surrogate recoveries for Nitrobenzene-5 and 2-Fluorobiphenyl are outside of control limits due to matrix interference.

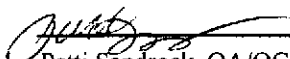
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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ERAs Environmental
20861 Wilbeam Avenue #4
Castro Valley, CA 94546
Attn: Gail Jones

Date: 4/4/03
Date Received: 4/1/2003
Project Name:
Project Number: 02-006-02
P.O. Number: 02-006-02
Sampled By: Skip McIntosh

Certified Analytical Report

Order ID: 33856

Lab Sample ID: 33856-006

Client Sample ID: Vault J

Sample Time: 10:23 AM

Sample Date: 4/1/2003

Matrix: Oil

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Aroclor 1016	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1221	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1232	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1242	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1248	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1254	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1260	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1262	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A
Aroclor 1268	ND		1	0.1	0.1	mg/Kg	4/2/2003	4/2/2003	PS7227C	EPA 8082A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	73.3	60 - 140

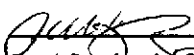
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

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STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: SMS310013
 Matrix: Solid

Units: µg/Kg
 Date Analyzed: 4/7/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		33.	LCS	82.5			71.8 - 108.6
Benzene	EPA 8260B	ND		40		36.2	LCS	90.5			69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		34.	LCS	85.0			69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		47.2	LCS	118.0			54.6 - 127.4
Toluene	EPA 8260B	ND		40		36.8	LCS	92.0			68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		33.4	LCS	83.5			67.8 - 106.7
Surrogate			Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene			93.4			65 - 135					
Dibromofluoromethane			89.9			57 - 156					
Toluene-d8			90.3			65 - 135					
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		33.	LCSD	82.5	0.00	30.00	71.8 - 108.6
Benzene	EPA 8260B	ND		40		36.8	LCSD	92.0	1.64	30.00	69.7 - 109.0
Chlorobenzene	EPA 8260B	ND		40		34.2	LCSD	85.5	0.59	30.00	69.9 - 104.6
Methyl-t-butyl Ether	EPA 8260B	ND		40		48.2	LCSD	120.5	2.10	30.00	54.6 - 127.4
Toluene	EPA 8260B	ND		40		37.	LCSD	92.5	0.54	30.00	68.5 - 105.0
Trichloroethene	EPA 8260B	ND		40		35.2	LCSD	88.0	5.25	30.00	67.8 - 106.7
Surrogate			Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene			89.2			65 - 135					
Dibromofluoromethane			88.6			57 - 156					
Toluene-d8			86.1			65 - 135					

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: DS4263A
Matrix: Oil

Units: mg/Kg
Date Analyzed: 4/2/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		27.57	LCS	110.3			26.8 - 142.0
Surrogate o-Terphenyl				95.0		67 - 121					
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		25		23.41	LCSD	93.6	16.32	25.00	26.8 - 142.0
Surrogate o-Terphenyl				96.0		67 - 121					

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Quality Control Results Summary

QC Batch #: PS7227C
Matrix: Oil

Units: mg/Kg
Date Analyzed: 4/2/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8082A											
Aroclor 1260	EPA 8082A	ND		0.2		0.223	LCS	111.5			71.0 - 135.0
	Surrogate Decachlorobiphenyl			Surrogate Recovery 109.0			Control Limits (%) 74 - 142				
Test: EPA 8082A											
Aroclor 1260	EPA 8082A	ND		0.2		0.2219	LCSD	110.9	0.49	30.00	71.0 - 135.0
	Surrogate Decachlorobiphenyl			Surrogate Recovery 109.1			Control Limits (%) 74 - 142				

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Quality Control Results Summary

QC Batch #: BS5213A
Matrix: Solid

Units: mg/Kg
Date Analyzed: 4/2/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8270C											
1,2,4-Trichlorobenzene	EPA 8270C	ND		1.25		0.91	LCS	72.8			38.0 - 107.0
1,4-Dichlorobenzene	EPA 8270C	ND		1.25		0.85	LCS	68.0			28.0 - 104.0
2,4-Dinitrotoluene	EPA 8270C	ND		1.25		0.87	LCS	69.6			42.0 - 120.0
2-Chlorophenol	EPA 8270C	ND		1.88		1.29	LCS	68.6			23.0 - 85.0
4-Chloro-3-methylphenol	EPA 8270C	ND		1.88		1.32	LCS	70.2			26.0 - 103.0
4-Nitrophenol	EPA 8270C	ND		1.88		0.74	LCS	39.4			23.0 - 120.0
Acenaphthene	EPA 8270C	ND		1.25		0.93	LCS	74.4			20.0 - 108.0
n-Nitroso-di-n-propylamine	EPA 8270C	ND		1.25		1.03	LCS	82.4			41.0 - 126.0
Pentachlorophenol	EPA 8270C	ND		1.88		0.94	LCS	50.0			15.0 - 94.0
Phenol	EPA 8270C	ND		1.88		1.17	LCS	62.2			26.0 - 90.0
Pyrene	EPA 8270C	ND		1.25		1.23	LCS	98.4			35.0 - 142.0

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	90.0	19 - 122
2-Fluorobiphenyl	81.1	24 - 90
2-Fluorophenol	73.1	25 - 121
Nitrobenzene-d5	80.8	17 - 96
p-Terphenyl-d14	118.0	49 - 138
Phenol-d6	75.9	23 - 91

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8270C											
1,2,4-Trichlorobenzene	EPA 8270C	ND		1.25		0.9	LCSD	72.0	1.10	30.00	38.0 - 107.0
1,4-Dichlorobenzene	EPA 8270C	ND		1.25		0.84	LCSD	67.2	1.18	32.00	28.0 - 104.0
2,4-Dinitrotoluene	EPA 8270C	ND		1.25		0.95	LCSD	76.0	8.79	30.00	42.0 - 120.0
2-Chlorophenol	EPA 8270C	ND		1.88		1.32	LCSD	70.2	2.30	30.00	23.0 - 85.0
4-Chloro-3-methylphenol	EPA 8270C	ND		1.88		1.36	LCSD	72.3	2.99	37.00	26.0 - 103.0
4-Nitrophenol	EPA 8270C	ND		1.88		0.81	LCSD	43.1	9.03	47.00	23.0 - 120.0
Acenaphthene	EPA 8270C	ND		1.25		0.94	LCSD	75.2	1.07	30.00	20.0 - 108.0
n-Nitroso-di-n-propylamine	EPA 8270C	ND		1.25		0.94	LCSD	75.2	9.14	55.00	41.0 - 126.0
Pentachlorophenol	EPA 8270C	ND		1.88		0.97	LCSD	51.6	3.14	49.00	15.0 - 94.0
Phenol	EPA 8270C	ND		1.88		1.16	LCSD	61.7	0.86	30.00	26.0 - 90.0
Pyrene	EPA 8270C	ND		1.25		1.2	LCSD	96.0	2.47	30.00	35.0 - 142.0

Surrogate	Surrogate Recovery	Control Limits (%)
2,4,6-Tribromophenol	97.4	19 - 122
2-Fluorobiphenyl	92.8	24 - 90
2-Fluorophenol	76.1	25 - 121
Nitrobenzene-d5	91.2	17 - 96
p-Terphenyl-d14	123.0	49 - 138
Phenol-d6	74.4	23 - 91

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: BS5213A

Units: mg/Kg

Matrix: Solid

Date Analyzed: 4/2/2003

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
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Notes: The % recovery for surrogate 2-Fluorobiphenyl is outside of laboratory control limits in LCSD(High Bias). No corrective action required.

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention To: Gail Jones	Phone No.: (209) 965-4640	Purchase Order No.:	Sent Invoice to (if Different): David Siegel	Phone: (510) 247-9885
Company Name: EPAS Environmental, Inc	Fax No.: (209) 965-4641	Project Number.: 02-006-02	Company:	
Mailing Address: 20561 Wilbur Ave #4	e-mail: evan@earthlink.net	Project Name:	Billing Address (if Different):	
City: Castro Valley	State: CA Zip: 94546	Project Location: 1549 32nd St	City:	State Zip

Sampler: Skid Intosh	Turn Around Time: <input type="checkbox"/> Same Day <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour	RUSH PAHs PCB
Date:	NOV Standard	

Order ID:	Sampling: Full Scan	Matrix: <input type="checkbox"/>	Composite: <input type="checkbox"/>	Grab: <input type="checkbox"/>	Containers: <input type="checkbox"/>	Preservative: <input type="checkbox"/>	<input type="checkbox"/> Volatile Organics by GC/MS: Freon 113 <input type="checkbox"/> Fuel Oxypetrate by 82809 <input type="checkbox"/> MTBE by 82809 <input type="checkbox"/> Pesticides-8091 <input type="checkbox"/> Halogenated or Aromatic Volatiles: F113 <input type="checkbox"/> 60/40/10 <input type="checkbox"/> TPH as Gas/BTEX <input type="checkbox"/> Base Neutral/Acid Organics: F113 <input type="checkbox"/> Fuel Scan <input type="checkbox"/> Diesel <input type="checkbox"/> Fuel Scan <input type="checkbox"/> w/ Siegel Standard Cleanup <input type="checkbox"/> w/ Siegel Column Cleanup <input type="checkbox"/> TPH <input type="checkbox"/> Oil & Grease <input type="checkbox"/> THM (50:2) <input type="checkbox"/> Metals - Circle Below <input type="checkbox"/> Total <input type="checkbox"/> Dissolved									
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Client ID	Laboratory No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Volatile Organics by GC/MS: Freon 113	Fuel Oxypetrate by 82809	MTBE by 82809	Pesticides-8091	Halogenated or Aromatic Volatiles: F113	60/40/10	TPH as Gas/BTEX	Base Neutral/Acid Organics: F113	Fuel Scan	Diesel	Fuel Scan	w/ Siegel Standard Cleanup	w/ Siegel Column Cleanup	TPH	Oil & Grease	THM (50:2)	Metals - Circle Below	Total	Dissolved	Remarks	
Vault D	33856-001	4/10/02	9:40	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Det coll by David Siegel EPAS
Vault E	002		9:53	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Vault F	003		9:40	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Vault H	004		10:10	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Vault I	005		10:20	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Vault J	006		023	S				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

72 HR RUSH

Relinquished by: David Siegel	Received by: [Signature]	Date: 04.01.01	Time: 14:30	Special Instructions or Comments <input type="checkbox"/> NPDES Detection Limits * Rush turnaround for PAHs & PCBs only Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, V, Zn, W : CAM-17 <input type="checkbox"/> Plating <input type="checkbox"/> PPM-13 <input type="checkbox"/> LUFT-5 <input type="checkbox"/>
Relinquished by:	Received by: [Signature]	Date: 4/10/03	Time: 16:12	
Relinquished by:	Received by:	Date:	Time:	
Relinquished by:	Received by:	Date:	Time:	