Kennedy/Jenks Consultants

Engineers & Scientists

622 Folsom Street
San Francisco, California 94107
415-243-2150
FAX 415-896-0999

15 October 2001

OCT 17 2001

Mr. Barney M. Chan
Hazardous Materials Specialist
Environmental Health Service Administration
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Subsurface Characterization Report
901 Embarcadero, Oakland, California
K/J 000128.00

Dear Mr. Chan:

The enclosed Subsurface Characterization Report is submitted by Kennedy/Jenks Consultants on behalf of Praxair, Inc. (Praxair). The Report describes the methodology and analytical results from subsurface characterization activities performed at 901 Embarcadero in Oakland (the Site). The Report also presents the findings of the subsurface characterization activities and recommendations for subsequent activities. The subsurface characterization activities were performed in accordance with the Subsurface Characterization Work Plan dated 9 February 2001 and your letter dated 11 April 2001.

The Site is owned by the Port of Oakland (the Port). Praxair has leased the Site from the Port. In accordance with the terms of the lease and a separate agreement with the Port, Praxair expects to vacate the Site in 2002. Praxair and the Port expect to develop an agreement regarding responsibility for site closure activities. In the long term, the Port expects to redevelop the Site and surrounding properties. The available redevelopment plans identify mixed use development, including residential, in the waterfront area around the Site.

As it prepares to vacate the Site, Praxair will develop a work plan to address residual hazardous materials associated with the gas distribution activities at the Site.

We welcome the opportunity to discuss the Report with you either in a meeting or by telephone. If you have any questions regarding this Report, please call either Nick DiFranco of Praxair at (732) 738-3424 or me at (415) 243-2534.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Meredith G. Durant

Meredith G. Durant, P.E.
Senior Engineer

Enclosure

g:\is-group\admin\job\00\000128.00_praxair\subsurfcharact\report\cvltr.doc

cc: Nick DiFranco, Praxair
Doug Herman, Port of Oakland
Leroy Griffin, Oakland Fire Services
Marvin Rodgers, Alliance Gas Products
John Sibley, Praxair
Jeriann Alexander, Subsurface Consultants
Jonathan Redding, Wendel Rosen Black & Dean

Kennedy/Jenks Consultants

622 Folsom Street
San Francisco, California 94107
415-243-2150
415-896-0999 (fax)

Subsurface Characterization at 901 Embarcadero Oakland, California

15 October 2001

Prepared for

Praxair, Inc.
P.O. Box 237
Keasbey, New Jersey 08832

K/J Project No. 000128.00

Table of Contents

Table of Contents (cont'd)

List of Tables

List of Figures

List of Appendices

Section 1: Introduction and Background

This Subsurface Characterization Report (Report) is submitted to the Alameda County Health Care Services Agency (County) by Praxair, Inc. The Report was prepared by Kennedy/Jenks Consultants on behalf of Praxair, Inc. This Report describes the activities and analytical results for a subsurface investigation performed at the site located at 901 Embarcadero in Oakland, California (the Site). The location of the Site is shown on Figure 1.

1.1 Site Description

The Site is located within an industrial area of Oakland that was historically and is currently used for mixed commercial, industrial manufacturing, warehousing and shipping. The Site is located in an area of level topography with an elevation of approximately 10 feet above mean sea level. The Site is located adjacent to the south side of the Embarcadero, a major surface street/truck route. Immediately north of the Embarcadero is US Interstate 880 and the Union Pacific railroad tracks. The estuary (Inner Harbor) between Oakland and Alameda Island is approximately 300 feet south of the Site.

The Site is approximately 7.7 acres in size. The Site is owned by the Port of Oakland.

Praxair is the successor to the former Liquid Carbonic Corporation, which in approximately 1954-1955, entered into a 50-year lease of the Site with the Port. Since 1998, Praxair has subleased the Site to Alliance Gas Products, a subsidiary of International Gas & Cryogenics.

1.2 Summary of Site History

The Site was initially used by Liquid Carbonic for the manufacture of liquid and solid carbon dioxide (dry ice). Gaseous carbon dioxide was generated through the combustion of natural gas. Various processes were employed to collect and purify the carbon dioxide gas and compressors were utilized to create liquid carbon dioxide.

In the early 1970s, an alternate local source of gaseous carbon dioxide made its onsite generation no longer economical. The carbon dioxide gas generating equipment was removed from the Site. The facility was converted to produce acetylene gas, which is still generated at the Site. The production of acetylene gas results in the generation of lime (calcium hydroxide) as a coproduct. The available information indicates that the lime slurry generated at the Site was (and still is) accumulated in onsite holding tanks and belowgrade sumps until the lime slurry is removed by a third party for reuse.

1.3 Purpose

In response to requests from the Port and the County, Praxair agreed to perform additional subsurface investigation activities at the Site. The proposed activities were described in the Subsurface Characterization Work Plan (Kennedy/Jenks 2001) (the Work Plan) which was submitted to the Port and the County for review and approval. The County approved the Work Plan, subject to several conditions, in a letter to Praxair dated 11 April 2001.

The subsurface investigation activities were proposed and performed to characterize soil and groundwater in the vicinity of historical chemical management areas exterior to the existing buildings at the Site.

1.4 Previous Subsurface Investigations and Remediation

Four underground storage tanks (USTs), including two diesel USTs, one gasoline UST and one acetone UST were removed from the Site during 1989 and 1990. Diesel- and gasoline-contaminated soils were encountered at the diesel dispenser and gasoline tank excavations, respectively. No acetone-contaminated soils were encountered at the former acetone tank. Groundwater samples collected from the excavation beneath the gasoline tank indicated the presence of hydrocarbons in water. After installation and monitoring of three groundwater monitoring wells in 1995 and 1996 at the Site, the Alameda County Department of Environmental Health allowed the groundwater monitoring to be discontinued and the wells were properly destroyed.

Data from these monitoring wells indicate that the total dissolved solids concentrations in groundwater at the Site exceed 3,000 mg/l, and thus groundwater at the Site is not considered suitable by the state of California for domestic or municipal water supply purposes. Subsurface investigation and remediation activities previously performed at the Site are summarized more fully in the Work Plan.

Section 2: Subsurface Investigation Activities

2.1 Permitting and Utility Clearance

Kennedy/Jenks obtained a drilling permit from Alameda County prior to starting the field activities. A copy of the permit is included in Appendix A.

Prior to initiating the field activities, Kennedy/Jenks prepared a focused Site Health and Safety Plan to address the subsurface investigation activities. The Health and Safety Plan was maintained onsite during the drilling and sampling activities.

Prior to drilling, Kennedy/Jenks contacted Underground Service Alert (USA) to mark the buried utilities present beneath public property adjacent to the Site. In addition, Subdynamic Locating Services of San Jose, California conducted a utility survey on 16 May 2001 to attempt to locate buried utilities and other subsurface obstructions at the proposed locations of the 22 soil borings.

2.2 Drilling and Reconnaissance Groundwater Sampling

Soil borings were advanced and soil and/or reconnaissance groundwater samples were collected from 22 locations on 17 and 18 May 2001. Samples were collected in accordance with the sampling and analysis plan set forth in Table 1. The rationale for each of the sampling locations is provided in Table 1 and the locations of the soil borings are shown on Figure 2.

2.2.1 Procedures

Of the 22 soil borings, five were surface samples advanced to a depth of 6 inches below ground surface (bgs) (KB-10, KB-11, KB-12, KB-19 and KB-21); six soil borings were advanced to depths of three to four feet bgs (KB-3, KB-7, KB-14, KB-16, KB-17 and KB-20); and 11 borings were advanced to 12 or 16 feet bgs in order to collect a reconnaissance groundwater sample (KB-1, KB-4, KB-5, KB-6, KB-8, KB-9, KB-13, KB-15, KB-18, KB-22 and KB-23). One sediment sample was collected from the floor of a storm drain inlet (Storm Drain 1).

Borings KB-5 and KB-6 were located along a railroad spur where the railroad ballast rock continually fell into the borehole and prevented collection of soil and reconnaissance groundwater samples from the same boring. At these two locations, the drill rig drilled to the depth of groundwater in the center of the railroad spur, and later a soil boring was hand-augered slightly to the south of the railroad spur to collect the soil samples from approximately 3 feet bgs. The two offset hand-augered borings were identified as Borings KB-5A and KB-6A.

All of the 6-inch deep borings (surface soil samples) and three of the 4-foot deep borings (KB-14, KB-5A, and KB-6A) were advanced using a hand auger. The remaining borings were advanced using a truck-mounted hydraulic push/drive system. Boring logs for the borings advanced with the drill rig are presented in Appendix A.

The soil borings drilled with the truck-mounted rig were advanced by Gregg Drilling and Testing, Inc. of Martinez, California. These borings were continuously cored using a hydraulic push/drive system. These borings were lithologically logged by a Kennedy/Jenks registered geologist using the Unified Soil Classification System (ASTM D 2488-93). Headspace measurements were obtained by placing soil from selected depths in a container, allowing the soil to equilibrate to ambient temperature, and then measuring the organic vapor concentration in the headspace of the container with a photoionization detector (PID). After completion of sampling activities, the borings were sealed with bentonite chips. The lithologies encountered during the drilling of each soil boring and other pertinent observations, including headspace measurements, are recorded on boring logs (Appendix A).

Drilling equipment was cleaned with soap and water prior to initial use and between each boring. New PVC casing and screen were used to collect each groundwater sample, and were discarded after completion of each boring. The stainless steel bailer used to collect some of the groundwater samples was cleaned with soap and water prior to initial use and between each boring. New tubing used with the peristaltic pump to collect other groundwater samples was discarded after sample collection. Soil cuttings were contained in 5-gallon pails, which were sealed, dated and labeled as to their contents.

2.2.2 Soil Sample Collection

Most of the soil samples were collected using a hydraulic push/drive system, in which the soil coring apparatus includes a 4-foot long steel sampling barrel holding an acetate liner. To retain a soil sample, a portion of the acetate liner was cut from the tubing, sealed with Teflon™ tape, capped, and placed in a chilled cooler.

At locations where borings were advanced with a hand auger, the soil samples were collected using a slide hammer. The slide hammer consists of a hand-held steel sample barrel holding a 6-inch long stainless steel liner. The sample barrel was placed in the boring at the desired depth and driven a length of six inches; the liner was then removed, taped, capped, and placed in a chilled cooler.

Surface soil samples were collected by placing the slide hammer at the ground surface and driving it 6 inches into the ground. The liner was then removed and sealed as described above.

A sample of sediment was collected from the bottom of the storm drain inlet using a hand auger. The soil was then transferred from the hand auger to the sample container.

Soil samples were held in chilled coolers at approximately 4°C and shipped to the analytical laboratory under chain-of-custody procedures.

2.2.3 Reconnaissance Groundwater Sample Collection

Reconnaissance groundwater samples were collected from the shallow groundwater zone in 11 borings. After drilling to the shallow groundwater zone, a 5-foot section of disposable 3/4-inch diameter, 0.010-inch slotted PVC screen, flush-threaded to 3/4-inch diameter PVC blank casing was inserted into the borehole. The shallow zone groundwater samples were then

collected from the PVC casing using either a stainless steel bailer or a peristaltic pump with new, disposable tubing.

The groundwater samples were collected using containers and preservatives appropriate for the selected analytical procedures. Samples were held in chilled coolers at approximately 4°C and shipped to the analytical laboratory under chain-of-custody procedures.

2.3 Sample Analysis

The samples were submitted under chain-of-custody procedures to STL Chromalab of Pleasanton, California. STL Chromalab is a state certified analytical laboratory. Samples were analyzed for the constituents identified in Table 1. The analytical laboratory reports are included in Appendix B.

2.3.1 Soil Sample Analysis

Selected soil samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260, semivolatile organic compounds (SVOCs) using EPA Method 8270, total petroleum hydrocarbons as gasoline and diesel (TPHg and TPHd) using EPA Method 8015 Modified, BTEX using EPA Method 8020, CAM metals using EPA Method 6010, and pH using EPA Method 9045C. Two soil samples were analyzed for polychlorinated biphenyls (PCBs) using EPA Method 8082. The soil sample analytical results for VOCs, SVOCs and TPHd are summarized in Table 2 and the soil sample analytical results for metals are summarized in Table 3.

2.3.2 Reconnaissance Groundwater Sample Analysis

Reconnaissance groundwater samples were analyzed for VOCs using EPA Method 8260, SVOCs using EPA Method 8270, TPHg and TPHd using EPA Method 8015 Modified, BTEX using EPA Method 8020, selected metals using EPA Method 6010, and pH using EPA Method 9045. The reconnaissance groundwater sample analytical results for VOCs are summarized in Table 4, TPH results are summarized in Table 5, and results for metals are summarized in Table 6. One groundwater sample was analyzed for PCBs using EPA Method 8082.

Several soil and groundwater samples were analyzed for pH, and the results are summarized in Table 7.

2.4 Surveying

The northing, easting, and elevation of the temporary casings installed in Borings KB-5, KB-8, KB-15 and KB-18 were surveyed by Wilsey Ham of Foster City, California. The elevations were surveyed to NAVD 88 and the horizontal coordinates were tied to the State Plane Coordinate 1983. The survey report is included in Appendix C.

2.5 Water Level Measurements

The temporary casings in Borings KB-5, KB-8, KB-15 and KB-18 were installed on 17 May and were allowed to remain open overnight. Groundwater depths were measured several times during the course of approximately six hours on 18 May, except in Boring KB-8 where measurements were discontinued after a groundwater sample was collected following the second reading. The water level elevations measured in the four temporary monitoring wells are summarized in Table 8.

2.6 Quality Assurance/Quality Control (QA/QC)

2.6.1 Field QA/QC

In addition to careful equipment decontamination between samples and sampling locations, field QA/QC measures also included collecting and analyzing one duplicate reconnaissance groundwater sample and submitting one trip blank for analysis.

The duplicate groundwater sample was collected from Boring KB-5. The analytical results from the duplicate sample were consistent with the results from the primary sample. The trip blank was analyzed for VOCs using EPA Method 8260. No VOCs were detected in the trip blank, indicating that sample transport procedures did not result in sample contamination.

2.6.2 Laboratory QA/QC

With respect to analysis for extractable hydrocarbons, the laboratory analytical data reports indicate note either that "hydrocarbon reported does not match the pattern of our diesel standard" or that "hydrocarbon reported is in the late diesel range, and does not match our diesel standard". Sample results were checked for holding times, laboratory control spike and spike duplicate recoveries, surrogate recoveries and laboratory blank results. With the exception of one sample (KB-2) that was analyzed after expiration of the holding time per request, all of the samples or their extracts were analyzed within the required method holding times. Overall the laboratory control spikes and spike duplicates were within acceptable ranges. A few of the surrogate recoveries exceeded QC limits due to matrix interference. One SVOC analyte was detected in two laboratory blanks using EPA Method 8270.

2.7 Management of Investigation-Derived Residuals

Soil cuttings were placed in DOT-approved 5-gallon containers. The steam-cleaning residuals were placed in DOT-approved 55-gallon drums. These containers and drums were stored onsite pending offsite disposal.

Section 3: Results of Subsurface Investigation Activities

3.1 Conceptual Site Model

Due to concentrations of total dissolved solids that exceed 3,000 mg/l, groundwater beneath the Site is not suitable for water supply (human consumption) purposes. The Site is located within 500 feet of a portion of the Oakland Estuary, and it would be reasonable to expect that groundwater beneath the Site historically discharged to the Estuary. However, as described below, water level data from the recent subsurface investigation activities at the Site suggest that shallow groundwater beneath the Site is currently not tidally influenced.

During the subsurface characterization activities, soil samples were collected from depths of less than 3 meters (10 feet) bgs. With respect to Praxair's responsibility as a tenant at the Site, it is anticipated that potential future exposure scenarios will include potential short-term worker exposure during soil excavation activities.

At this time, it is anticipated that Praxair will vacate the Site in accordance with the terms of its agreement with the Port of Oakland. The Port of Oakland intends to redevelop the Site and surrounding waterfront properties. Although the specific future use of the Site has not yet been identified, the current redevelopment plans for the area identify mixed uses, including residential.

As an initial step, the analytical results will be evaluated herein against Risk Based Screening Levels (RBSLs) established by the San Francisco Bay Area Regional Water Quality Control Board (RWQCB 2000). Based upon the information summarized above, the RBSLs for surface soils and groundwater (drinking water resource not threatened) were used as an initial point of evaluation.

3.2 Soil Samples

3.2.1 Volatile Organic Compounds

Twenty-one soil samples were collected from 16 boring locations and analyzed for VOCs. As shown in Table 2, VOCs were detected at concentrations above analytical reporting limits in only one of these samples. Sample KB-5A-S-3/3.5 collected from a depth of 3 to 3.5 feet bgs in Boring KB-5 was found to contain 6 µg/kg of methylene chloride. No other VOCs were detected above analytical reporting limits in this sample. The detection of methylene chloride is considered to be anomalous, and may be attributable to laboratory contamination.

MTBE was not detected at concentrations above analytical reporting limits in any of the soil samples recently collected at the Site that were analyzed for VOCs.

3.2.2 Total Petroleum Hydrocarbons

Twenty-one soil samples were collected from 16 boring locations and analyzed for TPHd. As shown in Table 2, detectable concentrations of TPHd were encountered in 13 soil samples.

Concentrations of TPHd exceeding 100 mg/kg were detected in surface soil samples collected from Boring KB-7 located immediately south of the acetylene generator room, and from Boring KB-18 near the northwestern perimeter fence of the Site. Only one soil sample, collected from a depth of 0 to 0.5 feet bgs at Boring KB-7, contained TPHd in excess of the RBSL of 500 mg/kg for industrial land use. The sample collected from a depth of 3 to 3.5 feet bgs in Boring KB-7 did not contain detectable concentrations of TPHd, indicating that the petroleum hydrocarbons were limited to shallow soils at this location. The concentrations of TPHd measured in soil samples are depicted on Figure 3.

3.2.3 Semi-Volatile Organic Compounds

Seven soil samples were collected from six soil borings and analyzed for SVOCs. As shown in Table 2, SVOCs were not detected at concentrations above analytical reporting limits in any of these samples.

3.2.4 Polychlorinated Biphenyls

Two soil samples were analyzed for PCBs. One soil sample (KB-2-S-0/0.5) was a composite of three surface soil samples collected adjacent to the three accessible sides of concrete pad for the former electrical transformer. The other soil sample (KB-4-S-1.0/1.5) was collected near the inoperable hydraulic elevator in the loading dock. PCBs were not detected in either sample at concentrations exceeding the analytical reporting limit of 0.05 mg/kg.

3.2.5 Metals

As shown in Table 3, 16 samples from 12 boring locations were analyzed for 16 CAM total metals. Soil samples were not analyzed for soluble metals. Surface soil samples from three locations adjacent to the two onsite buildings and one perimeter location were also analyzed for mercury.

Samples were collected from two depths in four of the boring locations (KB-1, KB-7, KB-13 and KB-20). At each of these locations, the analytical data indicate that metals concentrations detected in the deeper soil sample were less than the metals concentrations detected in the more shallow soil sample.

As shown in Table 3, the metals antimony, barium, beryllium, cadmium, cobalt, lead, molybdenum, nickel, selenium, silver and thallium were not detected in any of the soil samples at concentrations exceeding the RBSLs for either residential or industrial/commercial land uses. Copper, vanadium and zinc were detected at concentrations exceeding the RBSL for industrial/commercial land uses in the shallow soil sample collected from Boring KB-7. The soil sample collected from Boring KB-11 contained mercury at a concentration exceeding the RBSL for residential land use, but less than the RBSL for industrial/commercial land use. All of the soil samples contained chromium at concentrations greater than or equal to the RBSL for industrial/commercial land use.

Seven soil samples contained arsenic at concentrations exceeding the RBSL for industrial/commercial land use. However, the RWQCB notes "In cases where the naturally occurring, background concentration of a chemical exceeds the RBSL given in the lookup table,

it may similarly be acceptable to use the background concentration as the screening level. This may be a common issue for heavy metals in soil, particularly for arsenic and total chromium. … Arsenic is often reported to be present at background concentrations of 10 mg/kg or greater, well above the residential surface soil RBSL of 0.32 mg/kg." (RWQCB 2000).

Based upon the consistency of the chromium concentrations detected in the soil samples, and the naturally occurring background ranges summarized for the City of Oakland (City of Oakland), all of the chromium concentrations detected in the onsite soil samples are attributed to background concentrations. With the exception of the shallow soil sample collected from Boring KB-7 and the potential exception of the shallow soil sample collected from Boring KB-13, the detected concentrations of arsenic in the onsite soil samples are also attributed to background concentrations. It also should be noted that shallow soil at the Site is believed to be import fill material that was brought to the area during its initial development in the 1950s.

3.3 Sediment Sample

The sample of sediment collected from the floor of the storm drain inlet was analyzed for metals and pH. For many of the metals, the concentrations detected in the sediment sample were similar to those detected in the soil samples collected from other locations at the Site. However, concentrations of chromium, copper, lead, mercury, selenium, vanadium and zinc were elevated relative to those detected in most of the soil samples. As shown in Table 7, the pH of the sediment sample is consistent with the pH measured for the soil and groundwater samples collected at the Site.

3.4 Groundwater Samples

3.4.1 Volatile Organic Compounds

Reconnaissance groundwater samples were collected from 11 locations at the Site and analyzed for VOCs. The analytical results for VOCs detected in at least one sample are presented in Table 4. The concentrations of VOCs detected in the groundwater samples were less than the respective RBSLs applicable to a drinking water resource not impacted.

As a point of comparison (although it is anticipated that groundwater will not be used for drinking water), with one exception, concentrations of VOCs detected in the groundwater samples were less than Maximum Contaminant Levels (MCLs) established by EPA and the California Department of Health Services. The groundwater sample collected from Boring KB-13 contained cis-1,2-DCE, TCE and vinyl chloride at concentrations slightly in excess of the respective MCLs.

The presence of the cis-1,2-DCE and vinyl chloride suggests that reductive dechlorination is occurring. It is possible that the hydrocarbons also present in groundwater at this location (discussed in Section 3.2.2) are providing a source of organic carbon and thereby facilitating the reductive dechlorination process.

One reconnaissance groundwater sample, collected from Boring KB-6, was analyzed for TPHg and BTEX. TPHg was not detected at concentrations above analytical reporting limits. Similarly, none of the four BTEX analytes was detected at concentrations above analytical reporting limits.

MTBE was not detected at concentrations above analytical reporting limits in any of the groundwater samples recently collected at the Site.

3.4.2 Total Petroleum Hydrocarbons

Reconnaissance groundwater samples were collected from 10 locations at the Site and analyzed for TPHd. The laboratory analytical data report suggests that the compounds detected are not consistent with the laboratory's analytical standard for diesel fuel. Three of the groundwater samples were subsequently analyzed for TPHd using a silica gel cleanup step to remove naturally occurring long-chain compounds. The analytical results are presented in Table 5 and are depicted on Figure 4.

The silica gel cleanup step resulted in a substantial decrease in the TPHd concentrations in the groundwater samples collected from Borings KB-15 and KB-23. This suggests that naturally occurring compounds present in the groundwater (e.g. humics) are causing analytical interference. In contrast, there was only a slight reduction in the TPHd concentration associated with use of the silica gel cleanup step for the groundwater sample collected from Boring KB-13, suggesting that the TPH present in groundwater at this location is associated with anthropogenic activities.

Only two groundwater samples, collected from Borings KB-13 and KB-15, contained TPHd at concentration exceeding the RBSL of 640 µg/l. When the groundwater sample from Boring KB-15 was reanalyzed using the silica gel cleanup step, the TPHd concentration decreased to a concentration less than the RBSL.

3.4.3 Semi-Volatile Organic Compounds

Three reconnaissance groundwater samples, collected from Borings KB-6, KB-13 and KB-23, were analyzed for semi-volatile organic compounds. None of the semi-volatile organic compounds were detected at concentrations exceeding analytical reporting limits in any of the three samples.

3.4.4 Polychlorinated Biphenyls

One reconnaissance groundwater sample, collected from Boring KB-4 located in the vicinity of the inoperable hydraulic elevator, was analyzed for PCBs. PCBs were not detected at concentrations exceeding the analytical reporting limit of 0.5 µg/l per analyte.

3.4.5 Metals

Reconnaissance groundwater samples from four locations were analyzed for the 16 CAM total metals. The groundwater samples were not filtered prior to analysis and thus were not analyzed for dissolved metals. The analytical results are presented in Table 6.

The concentrations of several metals in three of the groundwater samples exceed their respective MCLs. However, it should be noted that it is unlikely that the shallow groundwater from this Site in close proximity to the estuary would be used for human consumption.

Furthermore, data from the groundwater monitoring wells previously located at the Site indicate that concentrations of total dissolved solids in groundwater exceed 3,000 mg/l and thus the onsite groundwater is not suitable for domestic or municipal water supply purposes. As noted above, it is also possible that the metals are actually associated with suspended soil particles potentially present in the unfiltered groundwater samples.

As shown in Table 6, the four reconnaissance groundwater samples contained metals in concentrations exceeding at least some of the RBSL values for groundwater. It should be noted that three of the four groundwater sample analyzed for metals were obtained near the perimeter of the Site, and that some portion of the metals detected in the samples may be due to background concentrations in groundwater. It is also likely that the metals are associated with suspended particulates, and that had the samples been filtered prior to analysis (to evaluate dissolved metals only), the detected metals concentration would have been lower.

3.4.6 pH

Ten soil samples and four groundwater samples were analyzed for pH to assess the potential impact of historical spills of lime. As shown in Table 7, the analytical results indicate that the pH of the soil and groundwater samples is slightly above neutral and varies from 7.1 to 8.5.

3.5 Groundwater Elevations and Estimated Gradient

Groundwater was encountered in the soil borings at depths ranging from approximately 4 to 9 feet bgs. In the four borings that were converted to temporary monitoring wells, the static groundwater elevation rose to depths of 4.1 to 6.5 feet bgs.

Groundwater elevations ranged from 7.95 feet AMSL in Boring KB-15 to 5.38 feet AMSL in Boring KB-8 and changed very little over the course of the six-hour monitoring period. Groundwater elevations are summarized in Table 8 and an estimated groundwater contour map is shown on Figure 5. The elevations measured during the earliest monitoring round are presented on Figure 5 and were used to estimate the groundwater elevation contours. These measurements indicate that the groundwater gradient direction at the Site is slightly west of south (toward Pier 9) with a magnitude of approximately 0.014 feet/foot.

Due to the proximity of the Site to the Oakland Inner Harbor, the influence of tidal fluctuations on the onsite water levels was evaluated. A tide chart and graph, downloaded from http://www.offshoreweather.com, are included in Appendix C. The tide chart shows the tide level at the Oakland Inner Harbor tide station on 18 May decreased from 4.5 feet relative to Mean Lower Low Water (MLLW) at 9:48 a.m. to 1.0 feet MLLW at 3:36 p.m. As shown in Table 8, water levels in Borings KB-5 and KB-18 decreased by 0.03 feet between 7:10 a.m. and 2 p.m., but the water level in Boring KB-15 increased by 0.03 feet in the same time period. The water levels observed in the borings changed very little during the monitoring period on 18 May, and the water levels do not indicate a clear correlation with the changing tidal level. It is possible that maritime improvements at the Port facilities (e.g. piers and ship docking structures) have cut off any hydraulic connection between shallow groundwater and the Inner Harbor.

Section 4: Findings and Conclusions

On the basis of the subsurface investigation activities and analytical results described in the preceding sections of this Report, the following findings and conclusions have been developed:

- With the potential exception of the vicinity of Boring KB-13, VOCs do not appear to be chemicals of concern in soil at the Site. It should be noted that due to access constraints for the drilling equipment used to obtain groundwater samples, the soil sample was not collected from the same boring as the groundwater sample in the area of Boring KB-13.

- With the exception of the groundwater sample collected from Boring KB-13, VOCs were not detected in groundwater samples at concentrations exceeding MCLs or RBSLs. The groundwater sample collected from Boring KB-13 contained several VOCs at concentrations slightly above their respective MCLs. Low (less than MCLs) concentrations of VOCs were also detected in the groundwater sample collected from Boring KB-6, located in the general downgradient direction from Boring KB-13. The data suggest that VOCs in groundwater have not migrated significantly from the vicinity of Boring KB-13.

- MTBE was not detected at concentrations exceeding analytical reporting limits in any of the soil or groundwater samples recently collected at the Site.

- For the most part, the data indicate that TPHd is present at low concentrations in the upper six inches of soil at several locations onsite. Relatively elevated concentrations of TPHd were detected in two shallow soil samples (Borings KB-7 and KB-18). Therefore, the data suggest that soils impacted by TPHd are localized. Only the shallow soil sample collected from Boring KB-7 contained TPHd at a concentration exceeding the RBSL of 500 mg/kg.

- Elevated concentrations of TPHd in groundwater were observed in only one sample, collected from Boring KB-13 adjacent to Building 1. The available data suggest that these elevated concentrations of TPHd in groundwater have not migrated a significant distance from Boring KB-13.

- SVOCs and PCBs were not detected in any of the soil and groundwater samples analyzed using the applicable analytical methods.

- The metals concentrations detected in the shallow soil sample collected from Boring KB-7 consistently exceed the metals concentrations detected in other onsite sampling locations. The data from this soil sample suggest that shallow soil at this location may have been impacted by historical activities at the Site.

- The concentrations of several metals in the four groundwater samples exceed their respective MCLs or RBSLs established by the RWQCB. However, the groundwater samples were not filtered prior to analysis for metals, and it is likely that the detected metals concentrations are associated with particulate matter suspended in the water samples. Based upon previously obtained data regarding the concentration of total

dissolved solids in onsite groundwater, it is considered highly unlikely that shallow groundwater from the Site would be used for water supply purposes.

- The highest metals concentrations in groundwater were detected in the groundwater sample collected from Boring KB-18. However, the metals concentrations in the soil sample collected from Boring KB-18 are consistent with metals concentrations in the other soil samples collected at the Site.

- Analytical results from samples analyzed for pH do not indicate a significant impact due to releases of lime (a high pH material).

- Analytical results from the shallow soil sample collected from Boring KB-7 indicate chemical impact, with relatively elevated concentrations of TPHd and several metals. These elevated concentrations may be associated with reports of historical waste handling activities in this area. The analytical results from the deeper soil sample collected from Boring KB-7 suggest that the relatively elevated concentrations of TPHd and metals are associated with very shallow soil.

- In general, concentrations of several analytes (e.g., metals and TPHd) appear to decrease with increasing depth at locations where samples were collected from two depths.

- Groundwater was encountered in soil borings at depths of 4 to 9 feet bgs. The groundwater flow direction in the uppermost saturated zone at the Site is slightly to the west of south. Evaluation of tidal fluctuations and onsite water level measurements on 18 May 2001 suggest that shallow groundwater at the Site is not significantly influenced by tidal changes in the nearby Oakland Inner Harbor.

- BTEX, MTBE and acetone were not detected in any of the soil and groundwater samples recently collected at the Site. TPHd was detected at some locations that are removed from the former diesel USTs. Therefore, the recently acquired data support the previous finding of No Further Action regarding the excavated USTs.

Section 5: Recommendations

On the basis of the subsurface investigation activities and analytical results described herein, the following recommendations have been developed:

- Data obtained during this subsurface investigation suggest that SVOCs and PCBs are not chemicals of interest at the Site. Therefore, subsequent sampling (if any) at the Site should not include SVOCs or PCBs.

- With the potential exception of soil in the vicinity of Boring KB-7, future soil sampling (if any) for characterization/delineation purposes at the Site does not need to include metals in the analytical suite.

- Shallow soil in the vicinity of Boring KB-7 should be excavated and properly disposed of offsite. Collection of soil samples in advance of excavation may be advantageous to assist in delineation of the proposed excavation area. Collection of post-excavation soil confirmation samples is recommended in association with the excavation of shallow soil. Based upon the relatively low mobility of the metals and TPHd encountered in the soil samples from Boring KB-7, excavation of the soil impacted by TPHd and metals in the vicinity of Boring KB-7 could be performed after Alliance Gas vacates the Site.

- Due to the relatively elevated level of mercury detected in the shallow soil sample collected from Boring KB-11, collection and analysis of additional shallow soil samples is recommended to characterize the extent of elevated mercury concentrations in this area. Excavation of shallow soil in this area should be considered.

- Additional sampling of soil, and potentially groundwater, is recommended in the vicinity of Boring KB-13 to characterize this area for the purposes of remediation. It is anticipated that remediation in this area will include excavation of shallow soil, and possibly dewatering within the excavation. Remediation activities will be performed in this area after Alliance Gas vacates the Site.

- Based upon the concentrations of metals detected in the sediment sample SS-1 collected from the storm drain inlet, accumulated sediment in accessible portions of the onsite storm drain system should be removed to reduce the potential for release of metals to the receiving water.

- Once Alliance Gas vacates the Site, the floor drains within the buildings and process areas should be located and sealed to prevent inadvertent release of materials to the floor drain system.

- Further evaluation of metals concentrations in groundwater could be performed through collection of additional reconnaissance groundwater samples, filtration of the samples, and analysis of the filtered samples for metals. This evaluation should include collection of an additional groundwater sample in the vicinity of Boring KB-18.

References

Alameda County Health Care Services Agency 2001. Letter from Barney Chan to Nick DiFranco of Praxair, Inc. 11 April 2001.

Kennedy/Jenks 2001. Subsurface Characterization Work Plan for 901 Embarcadero Road, Oakland, California. 9 February 2001.

City of Oakland 2000. Oakland Urban Land Redevelopment Program: Guidance Document. City of Oakland Public Works Agency. Oakland Urban Land Redevelopment Program, 1 January 2000.

City of Oakland. Survey of Background Metal Concentration Studies from www.oaklandpw.com/ulrprogram.

RWQCB 2000. Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater. California Regional Water Quality Control Board, San Francisco Bay Region. Interim Final – August 2000.

Tables

Table 1: Sampling and Analysis Plan

Boring Name	Media	Depth	VOCs[a]	SVOCs[b]	TPHd[c]	TPHg, BTEX[d]	Metals[e]	PCBs[f]	pH[g]	Rationale
KB-1	Soil	0 – 6"	X		X		X			Vehicle activities (gasoline, diesel, oil, etc.)
	Soil	3' – 5'	X		X		X			Reference point (edge of site)
	GW	NA	X		X		X			
KB-2	Soil	0 – 6"						X		Potential release from former PG&E transformer
KB-3	Soil	3' – 5'	X		X					Vehicle activities (gasoline, diesel, oil, etc.)
KB-4	Soil	3' – 5'	X		X			X		Hydraulic fluid (PCBs?)
	GW	NA	X		X			X		Vehicle activities (gasoline, diesel, oil, etc.)
KB-5	Soil	3' – 5'	X		X					Sewer line (solvents?)
	GW	NA	X		X					Rail car activities
KB-6	Soil	3' – 5'	X	X	X	X				Oil-water separator drain?
	GW	NA	X	X	X	X				
KB-7	Soil	0 – 6"	X	X	X	X	X			Waste dumping(?)
	Soil	3' – 5'	X	X	X	X	X		X	
KB-8	Soil	3' – 5'	X		X				X	Vehicle activities (gasoline, diesel, oil, etc.)
	GW	NA	X		X				X	Reference point (edge of site)
KB-9	Soil	0 – 6"					X		X	Lime spill
	GW	NA	X						X	
KB-10	Soil	0 – 6"							X	Lime spill
KB-11	Soil	0 – 6"	X	X	X		X		X	Lime slurry pit Monkey Dust
KB-12	Soil	0 – 6"	X				X		X	Lime spill Monkey Dust
KB-13	Soil	0 – 6"	X	X	X		X			Site activities (compressor leaks, paint thinner storage, etc.)
	Soil	3' – 5'	X	X	X		X			
	GW	NA	X	X	X		X			Paint dust (metals)
KB-14	Soil	3'-5'			X					Evaluate potential release from compressor to storm drain

Table 1: Sampling and Analysis Plan

Boring Name	Media	Depth	VOCs[a]	SVOCs[b]	TPHd[c]	TPHg, BTEX[d]	Metals[e]	PCBs[f]	pH[g]	Rationale
KB-15	Soil	3' – 5'	X		X				X	Lime spill
	GW	NA	X		X				X	Site activities
KB-16	Soil	3' – 5'	X	X	X		X		X	Vehicle activities (gasoline, diesel, oil, etc.) Waste disposal (?)
KB-17	Soil	3' – 5'			X	X				Vehicle activities (gasoline, diesel, oil etc.)
KB-18	Soil	0 – 6"	X		X		X			Vehicle activities (gasoline, diesel, oil, etc.)
	GW	NA	X		X		X			Cylinder/tank storage (metals)
KB-19	Soil	0 – 6"					X			Cylinder storage (metals)
KB-20	Soil	0 – 6"	X		X		X			Vehicle activities (gasoline, diesel, oil, etc.)
	Soil	3' – 5'	X		X		X			Cylinder/tank storage (metals)
KB-21	Soil	0 - 6"					X			Cylinder storage (metals)
KB-22	Soil	0 – 6"	X		X		X		X	Vehicle activities (gasoline, diesel, oil, etc.)
	GW	NA	X		X		X		X	Cylinder/tank storage (metals)
KB-23	Soil	3' – 5'	X							Vehicle activities and maintenance (gasoline, diesel, oil, etc.)
	GW	NA	X	X	X					
SS-1	Sediment	SDI invert					X		X	Evaluate sediment in storm drain

(a) VOCs = volatile organic compounds using EPA Method 8260.
(b) SVOCs = semivolatile organic compounds using EPA Method 8270.
(c) TPHd = total petroleum hydrocarbons, analyzed as diesel using EPA Method 8015.
(d) TPHg, BTEX = total petroleum hydrocarbons, analyzed as gasoline and benzene, toluene, ethylbenzene, and xylenes using EPA Method 8015/8020.
(e) Analyzed for total metals using EPA 6000 series.
(f) PCBs = polychlorinated biphenyls using EPA Method 8082.
(g) Analyzed using EPA Method 9040B/9045C, for high pH.

Table 2: Soil Sample Analytical Results – Organic Compounds[a]

Boring Name	Sample ID	Depth (feet)[b]	Sample Date	VOCs[c] (µg/kg)	TPHd[d] (mg/kg)	Semi-VOCs[e]	Comments
RBSL				varies	500	varies	
KB-1	KB-1-S-0.2/0.7	0.2–0.7	5/17/01	ND[g]	12	NA[h]	
	KB–1-S-3/3.5	3–3.5	5/17/01	ND	<1.0	NA	
KB-3	KB-3-S-3/3.5	3-3.5	5/18/01	ND	<1.0	NA	
KB-4	KB-4-S-1.0/1.5	1.0–1.5	5/17/01	ND	25	NA	
	KB-4-S-3/3.5	3-3.5	5/17/01	ND	<1.0	NA	
KB-5	KB-5A-S-3/3.5	3-3.5	5/18/01	6.0	1.3	NA	Methylene chloride detected at a concentration of 6.0 µg/kg. All other VOCs were not detected above analytical reporting limits.
KB-6	KB-6A-S-3/3.5	3-3.5	5/18/01	ND	<1	ND[i]	
KB-7	KB-7-S-0/0.5	0-0.5	5/18/01	ND	2500	ND	
	KB-7-S-3/3.5	3–3.5	5/18/01	ND	<1.0	ND	
KB-8	KB-8-S-2/2.5	2-2.5	5/18/01	ND	<1.0	NA	
KB-11	KB-11-S-0/0.5	0-0.5	5/18/01	ND	7.8	ND	
KB-12	KB-12-S-0/0.5	0-0.5	5/18/01	ND	NA	NA	
KB-13	KB-13A-S-0/0.5	0-0.5	5/18/01	ND	55	ND	
	KB-13-S-2/2.5[j]	2-2.5	5/17/01	ND	3.6	ND	
KB-14	KB-14-S-3/3.5	3-3.5	5/18/01	NA	4.5	NA	
KB-15	KB-15-S-2/2.5[k]	2–2.5	5/17/01	ND	2.3	NA	
KB-16	KB-16-S-2/2.5	2-2.5	5/18/01	ND	<1.0	ND	
KB-17	KB-17-S-3/3.5	3-3.5	5/18/01	NA	1.4	NA	
KB-18	KB-18-S-0/0.5	0-0.5	5/18/01	ND	270	NA	
KB-20	KB-20-S-0/0.5	0-0.5	5/18/01	ND	9.0	NA	
	KB-20-S-3/3.5	3-3.5	5/18/01	ND	<1.0	NA	
KB-22	KB-22-S-0.5/1.0	0.5-1.0	5/18/01	ND	2.2	NA	
KB-23	KB-23-S-2/2.5	2-2.5	5/18/01	ND	NA	NA	

Table 2: Soil Sample Analytical Results – Organic Compounds[a]

(a) Samples analyzed by STL Chromalab
(b) Depth below ground surface, measured in feet.
(c) Samples analyzed for volatile organic compounds using EPA Method 8260A. Results reported in units of micrograms per kilogram (µg/kg).
(d) Samples analyzed for total extractable petroleum hydrocarbons (TPHd) using EPA Method 8015M. Results reported in units of milligrams per kilogram (mg/kg).
(e) Samples analyzed for semi-volatile organic compounds using EPA Method 8270. Results reported in units of mg/kg.
(f) RBSL = Risk Based Screening Levels from Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater (RWQCB 2000). Groundwater IS NOT a current or potential source of drinking water. RBSL for TPH(middle distillates) for both residential and industrial/commercial land use is 500 mg/kg.
(g) ND= not detected. No analytes detected above analytical reporting limits. Analytical reporting limits for individual VOCs range from 5.0 to 50 µg/kg.
(h) NA = not analyzed. Sample not analyzed for this parameter.
(i) Analytical reporting limits for individual semi-VOCs range from 0.067 to 8.3 mg/kg.
(j) Sample was misidentified on laboratory analytical data reports as KB-1-S-2/2.5.
(k) Sample was misidentified on laboratory analytical data report as KB-15.5-4.5.

Table 3: Soil Sample Analytical Results – Metals[a]

Boring Name	Sample ID	Sample Depth (feet bgs)[b]	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	RBSL – Resid[c]			6.3	0.39	750	4.0	7.4	9.8	40	225	200	4.7	40	150	10	20	1.1	110	600
	RBSL – Ind/Comm[c]			40	2.7	1500	8.0	12	12	80	225	1000	10	40	150	10	40	29	200	600
	Background[d]			5.2-7.1	9.3-31.0	NR[e]	0.8-1.1	1.5-3.3	59.0-142.2	NR	40.9-99.7	8.9-21.5	0.3-0.6	NR	69.7-144.3	4.7-7.0	1.5-2.2	8.7-42.5	NR	84.7-135.9
KB-1	KB-1-S-0.2/0.7	0.2–0.7	5/17/01	<2.0	5.9	98	<0.50	1.1	26	7.3	21	20	NA[f]	<1.0	31	<2.0	<1.0	<1.0	29	53
	KB-1-S-3/3.5	3–3.5	5/17/01	<2.0	<1.0	14	<0.50	<0.50	24	3.5	5.1	4.0	NA	<1.0	25	<2.0	<1.0	<1.0	16	13
KB-7	KB-7-S-0/0.5	0-0.5	5/18/01	<2.0	37	83	<0.50	2.5	45	5.5	250	170	NA	4.6	87	<2.0	<1.0	<1.0	330	700
	KB-7-S-3/3.5	3–3.5	5/18/01	<2.0	1.1	36	<0.50	<0.50	24	3.5	6.1	3.5	NA	<1.0	23	<2.0	<1.0	<1.0	14	12
KB-9	KB-9-S-0/0.5	0-0.5	5/18/01	<2.0	2.0	90	<0.50	0.63	40	3.2	58	110	NA	<1.0	57	<2.0	<1.0	<1.0	21	75
KB-11	KB-11-S-0/0.5	0-0.5	5/18/01	<2.0	5.0	48	<0.50	0.87	36	5.2	42	49	5.6	<1.0	27	<2.0	<1.0	<1.0	19	45
KB-12	KB-12-S-0/0.5	0-0.5	5/18/01	<2.0	1.6	68	<0.50	0.95	26	6.9	15	12	0.23	<1.0	31	<2.0	<1.0	<1.0	26	32
KB-13	KB-13A-S-0/0.5	0–0.5	5/18/01	<2.0	18	65	<0.50	1.4	12	5.5	22	72	0.27	<1.0	12	<2.0	<1.0	<1.0	20	120
	KB-13-S-2/2.5[g]	2-2.5	5/17/01	<2.0	1.3	40	<0.50	0.75	31	6.0	19	13	NA	<1.0	40	<2.0	<1.0	<1.0	23	33
KB-16	KB-16-S-2/2.5	2-2.5	5/18/01	<2.0	1.7	53	<0.50	0.82	31	7.3	14	17	NA	<1.0	42	<2.0	<1.0	<1.0	22	27
KB-18	KB-18-S-0/0.5	0-0.5	5/18/01	<2.0	4.5	130	<0.50	1.9	19	9.9	39	34	NA	<1.0	19	<2.0	<1.0	<1.0	34	67
KB-19	KB-19-S-0/0.5	0-0.5	5/18/01	<2.0	7.8	130	<0.50	2.3	33	8.2	56	130	NA	<1.0	30	<2.0	<1.0	<1.0	40	140
KB-20	KB-20-S-0/0.5	0– 0.5	5/18/01	<2.0	6.1	130	<0.50	1.4	28	9.1	27	32	NA	<1.0	28	<2.0	<1.0	<1.0	26	59
	KB-20-S-3/3.5	3–3.5	5/18/01	<2.0	1.4	14	<0.50	0.56	20	3.0	6.2	2.4	NA	<1.0	21	<2.0	<1.0	<1.0	14	12
KB-21	KB-21-S-0/0.5	0-0.5	5/18/01	<2.0	1.0	68	<0.50	1.6	22	6.5	30	54	NA	<1.0	14	<2.0	<1.0	<1.0	28	64
KB-22	KB-22-S-0.5/1.0	0.5-1.0	5/18/01	<2.0	<1.0	2.6	<0.50	<0.50	12	9.8	33	<1.0	0.26	<1.0	13	<2.0	<1.0	<1.0	8.0	3.5
SS-1[h]	SS-1	SDI invert	5/18/01	<2.0	1.3	46	<0.50	<0.50	130	5.9	310	87	3.1	<1.0	22	4.7	<1.0	<1.0	58	140

(a) Samples analyzed by STL Chromalab for metals using EPA Method 3010A/3050B/6010B. Concentrations reported in units of milligrams per kilogram (mg/kg).
(b) Depth below ground surface, measured in feet.
(c) RBSL = Risk Based Screening Levels for Surface Soil from Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater (RWQCB 2000). Groundwater IS NOT a current or potential source of drinking water. Values presented for Residential and Industrial/Commercial land use scenarios.
(d) Range of background values from City of Oakland Survey of Background Metal Concentration Studies. Does not include data presented for specific sites in San Leandro and Union City.
(e) NR = Not reported.
(f) NA = Not analyzed. Sample not analyzed for this constituent.
(g) Sample was misidentified on laboratory analytical data reports as KB-1-S-2/2.5.
(h) Sample of sediment collected from the floor of the storm drain inlet.

Table 4: Groundwater Sample Analytical Results – Volatile Organic Compounds[a]

Boring Name	Sample ID	Sample Date	Cis-1,2-DCE[b]	Trans-1,2-DCE[c]	TCE[d]	PCE[e]	Vinyl Chloride	Chloro-form
MCL[f]			6	10	5	5	0.5	100[g]
RBSL[h]			590	590	360	120	4.9	28
KB-1	KB-1-W	5/18/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KB-4	KB-4-W	5/17/01	0.57	<0.5	0.91	<0.5	<0.5	<0.5
KB-5	KB-5-W	5/17/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/17-DUP	5/17/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KB-6	KB-6-W	5/17/01	<0.5	<0.5	0.73	0.62	<0.5	4.3
KB-8	KB-8-W	5/18/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KB-9	KB-9-W	5/18/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KB-13	KB-13-W	5/18/01	17	1.5	5.2	<0.5	0.95	<0.5
KB-15	KB-15-W	5/17/01	4.5	<2.0	<2.0	<2.0	<2.0	<2.0
KB-18	KB-18-W	5/17/01	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
KB-22	KB-22-W	5/18/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
KB-23	KB-23-W	5/18/01	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

(a) Samples analyzed by STL Chromalab for volatile organic compounds using EPA Method 8260. Analytes listed if detected in any of the samples. Other analytes identified by this method were not detected above analytical reporting limits in any of the samples. Concentrations reported in units of micrograms per liter (µg/l).
(b) Cis-1,2-DCE = cis-1,2-dichloroethene
(c) Trans-1,2-DCE = trans-1,2-dichloroethene
(d) TCE = trichloroethene
(e) PCE = tetrachloroethene
(f) MCL = primary maximum contaminant level from the California Code of Regulations (CCR) Section 64431
(g) The MCL of 100 µg/l applies to the sum of bromodichloromethane, dibromochloromethane, bromoform and chloroform.
(h) RBSL = Risk Based Screening Levels from Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater (RWQCB 2000). Groundwater IS NOT a current or potential source of drinking water.

Table 5: Groundwater Sample Analytical Results – Extractable Petroleum Hydrocarbons[a]

Boring Name	Sample ID	Sample Date	TPHd[b]	TPHd (silica gel)[c]
RBSL[d]			640	640
KB-1	KB-1-WA	5/18/01	<50	NA[e]
KB-4	KB-4-W	5/17/01	58	NA
KB-5	KB-5-W	5/17/01	56	NA
	5/17-DUP	5/17/01	54	NA
KB-6	KB-6-W	5/17/01	140	NA
KB-8	KB-8-W	5/18/01	140	NA
KB-13	KB-13-W	5/18/01	7,500	6,200[f]
KB-15	KB-15-WA	5/17/01	770	94[g]
KB-18	KB-18-W	5/17/01	150	NA
KB-22	KB-22-W	5/18/01	65	NA
KB-23	KB-23-W	5/18/01	590	<71

(a) Samples analyzed by STL Chromalab for extractable petroleum hydrocarbons (TPHd) using EPA Method 8015M. Concentrations reported in units of micrograms per liter (µg/l).
(b) Laboratory analytical report notes that "hydrocarbon reported does not match the pattern of our diesel standard".
(c) Selected groundwater samples analyzed using a silica gel cleanup step prior to analysis.
(d) RBSL = Risk Based Screening Levels from Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater (RWQCB 2000). Groundwater IS NOT a current or potential source of drinking water.
(e) NA = not analyzed. Samples not analyzed using this method.
(f) Laboratory analytical report notes that "hydrocarbon reported is in the late diesel range, and does not match our diesel standard".
(g) Laboratory analytical report notes that "hydrocarbon reported does not match the pattern of our diesel standard".

Table 6: Groundwater Sample Analytical Results – Metals

Boring Name	Sample ID	Sample Date	Concentration, mg/l[a] Anti-mony	Arsenic	Barium	Beryl-lium	Cad-mium	Chro-mium	Cobalt	Copper	Lead	Molyb-denum	Nickel	Selen-ium	Silver	Thal-lium	Vana-dium	Zinc
	MCL[c]		0.006	0.05	1	0.004	0.005	0.05	-	1.3	0.015	-	0.1	0.05	-	0.002	-	-
	RBSL[d]		0.030	0.036	0.0039	0.0051	0.0011	0.180	0.003	0.0024	0.0032	0.240	0.0082	0.005	0.00012	0.040	0.019	0.023
KB-1	KB-1-W	5/18/01	<0.005	0.016	0.38	<0.005	<0.002	0.058	0.012	0.029	0.014	0.038	0.069	<0.005	<0.005	<0.005	0.051	0.067
KB-13	KB-13-WA	5/18/01	<0.005	0.022	1.7	0.0063	0.037	1.3	0.24	0.54	0.60	0.0096	1.5	<0.005	<0.005	<0.005	0.98	0.99
KB-18	KB-18-W	5/17/01	<0.005	0.12	8.8	0.017	0.083	2.2	0.44	3.6	17	<0.005	2.4	<0.005	0.0057	<0.005	1.7	4.3
KB-22	KB-22-W	5/18/01	<0.005	0.016	2.7	<0.005	0.012	0.42	0.075	0.20	0.24	0.0061	0.40	0.0061	<0.005	<0.005	0.33	0.32

(a) Samples analyzed by STL Chromalab for 16 CAM metals using EPA Method 3010A/3050B/6010B. Concentrations reported in units of milligrams per liter (mg/l).
(b) MCL = primary maximum contaminant level from the California Code of Regulations (CCR) Section 64431. For copper and lead, the MCL identified is the state action level from CCR Section 64672.
(c) "-" indicates that MCL has not been identified. Applies to cobalt, molybdenum, silver, vanadium and zinc.
(d) RBSL = risk based screening level identified by San Francisco Bay Regional Water Quality Control Board in August 2000. Table B of Application of Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater. Assumes drinking water resource not threatened.

Table 7: Sample Analytical Results – pH

Boring Name	Sample ID	Sample Date	pH[(a)]
Soil Samples			
KB-7	KB-7-S-3/3.5	5/18/01	7.1
KB-8	KB-8-S-2/2.5	5/18/01	7.4
KB-9	KB-9-0/0.5	5/18/01	8.1
KB-10	KB-10-S-0/0.5	5/18/01	7.5
KB-11	KB-11-S-0/0.5	5/18/01	8.5
KB-12	KB-12-S-0/0.5	5/18/01	7.9
KB-15	KB-15-S-2/2.5	5/17/01	8.4
KB-16	KB-16-S-2/2.5	5/18/01	8.0
KB-22	KB-22-S-0.5/1.0	5/18/01	7.4
Sediment Sample			
NA	SS-1	5/18/01	8.4
Groundwater Samples			
KB-8	KB-8-W	5/18/01	7.6
KB-9	KB-9-W	5/18/01	7.7
KB-15	KB-15-WA	5/17/01	8.0
KB-22	KB-22-W	5/18/01	7.4

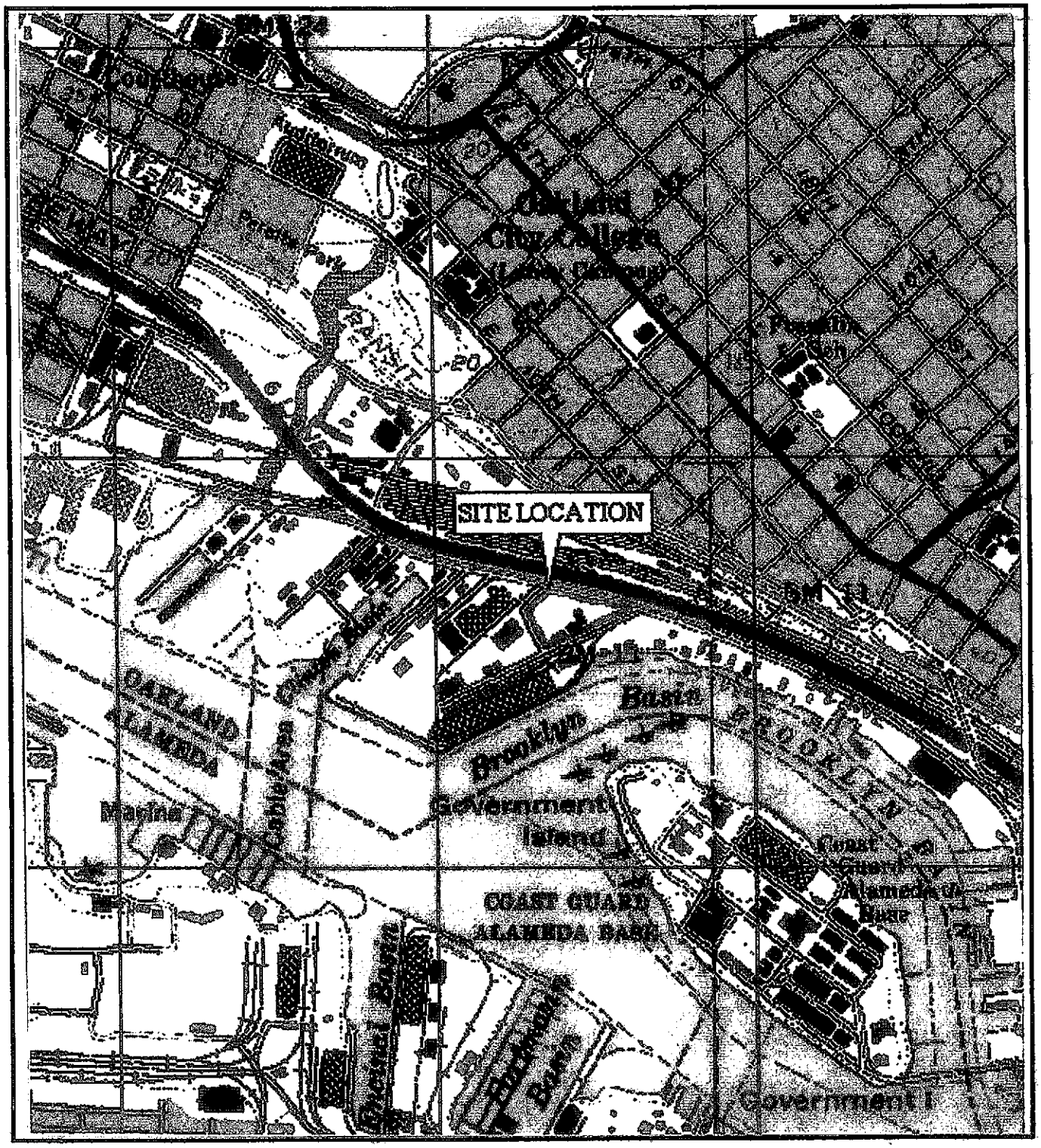
(a) Samples analyzed by STL Chromalab for pH using EPA Method 9045C.

Table 8: Groundwater Elevations

Soil Boring	TOC Elevation (ft. AMSL)[a]	Time of Reading (5/18/01)	Depth to Groundwater (ft. below TOC[b])	Groundwater Elevation (ft. AMSL)
KB-5	11.917	0725	4.83	7.09
		1250	4.79	7.13
		1400	4.80	7.12
KB-8	10.377	0720	5.00	5.38
		1208[c]	5.01	5.37
KB-15	12.071	0715	4.12	7.95
		1205	4.13	7.94
		1352	4.15	7.92
KB-18	13.838	0710	6.45	7.39
		1355	6.42	7.42

(a) ft. AMSL = feet above mean sea level
(b) TOC = top of casing
(c) Reconnaissance groundwater sample was collected after this reading; soil boring was dewatered and no further readings were obtained.

Figures



BASE MAP: USGS 7.5' QUADRANGLE
TOPOGRAPHIC SERIES; OAKLAND, WEST

N

0 500 1000
SCALE IN FEET

Kennedy/Jenks Consultants

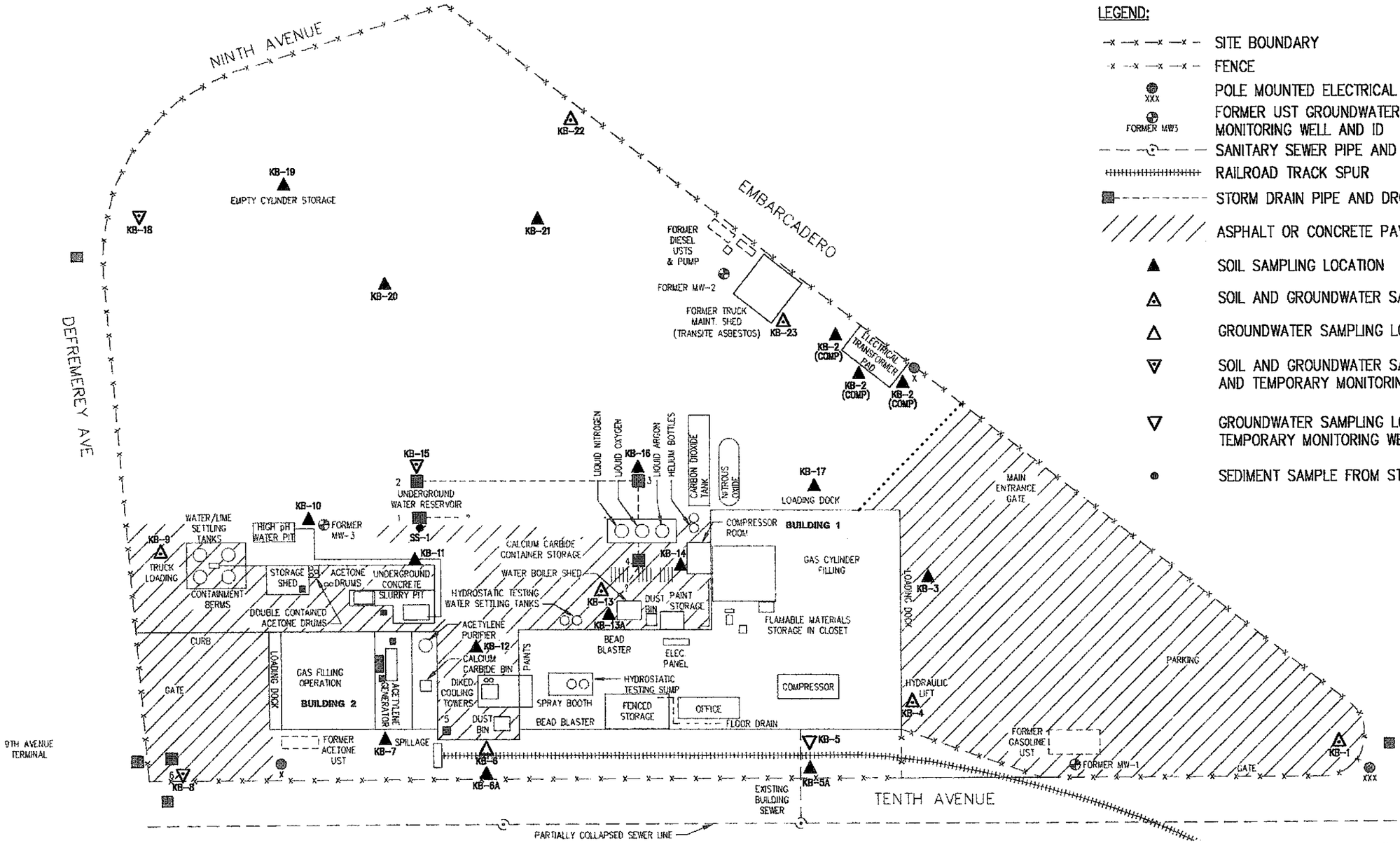
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

SITE LOCATION MAP

K/J 000128.00
OCTOBER 2001

Figure 1

N:\2000.lsb\000128.00\Oct01-f1.dwg



LEGEND:

- SITE BOUNDARY
- FENCE
- XXX — POLE MOUNTED ELECTRICAL TRANSFORMER(S)
- FORMER MW3 — FORMER UST GROUNDWATER MONITORING WELL AND ID
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- ASPHALT OR CONCRETE PAVED AREAS
- ▲ SOIL SAMPLING LOCATION
- ◬ SOIL AND GROUNDWATER SAMPLING LOCATION
- △ GROUNDWATER SAMPLING LOCATION
- ▽ SOIL AND GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- ▽ GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- ⊕ SEDIMENT SAMPLE FROM STORM DRAIN

N

NOT TO SCALE

Kennedy/Jenks Consultants

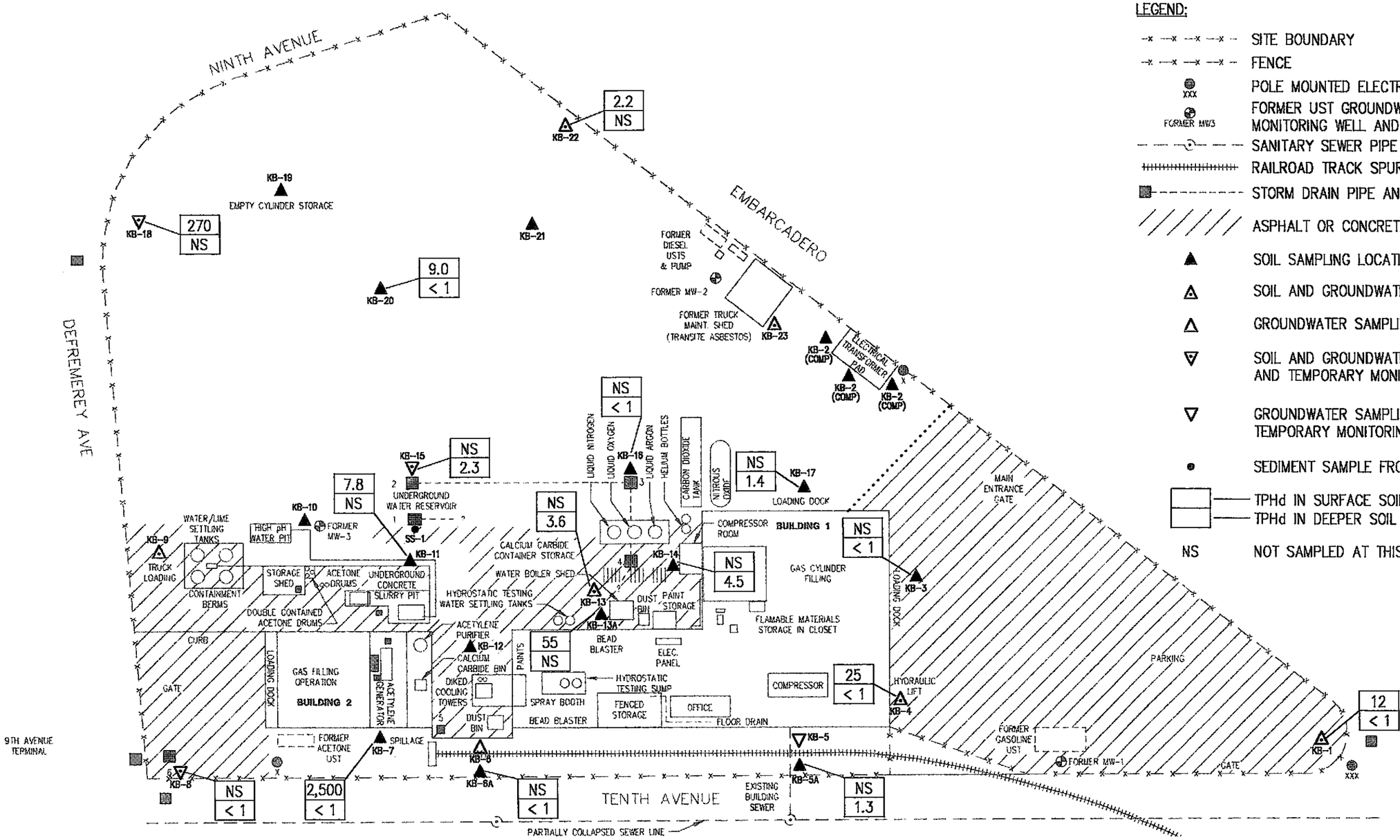
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

SOIL AND GROUNDWATER SAMPLING LOCATIONS

K/J 000128.00
OCTOBER 2001

Figure 2

N:\2000 iso\000128.00\Dr101-f2.dwg



LEGEND:

- SITE BOUNDARY
- FENCE
- XXX — POLE MOUNTED ELECTRICAL TRANSFORMER(S)
- FORMER MW3 — FORMER UST GROUNDWATER MONITORING WELL AND ID
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- ASPHALT OR CONCRETE PAVED AREAS
- ▲ SOIL SAMPLING LOCATION
- ◬ SOIL AND GROUNDWATER SAMPLING LOCATION
- △ GROUNDWATER SAMPLING LOCATION
- ▽ SOIL AND GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- ▽ GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- ● SEDIMENT SAMPLE FROM STORM DRAIN
- TPHd IN SURFACE SOIL SAMPLE (mg/kg)
- TPHd IN DEEPER SOIL SAMPLE (mg/kg)

NS NOT SAMPLED AT THIS DEPTH

N

NOT TO SCALE

Kennedy/Jenks Consultants

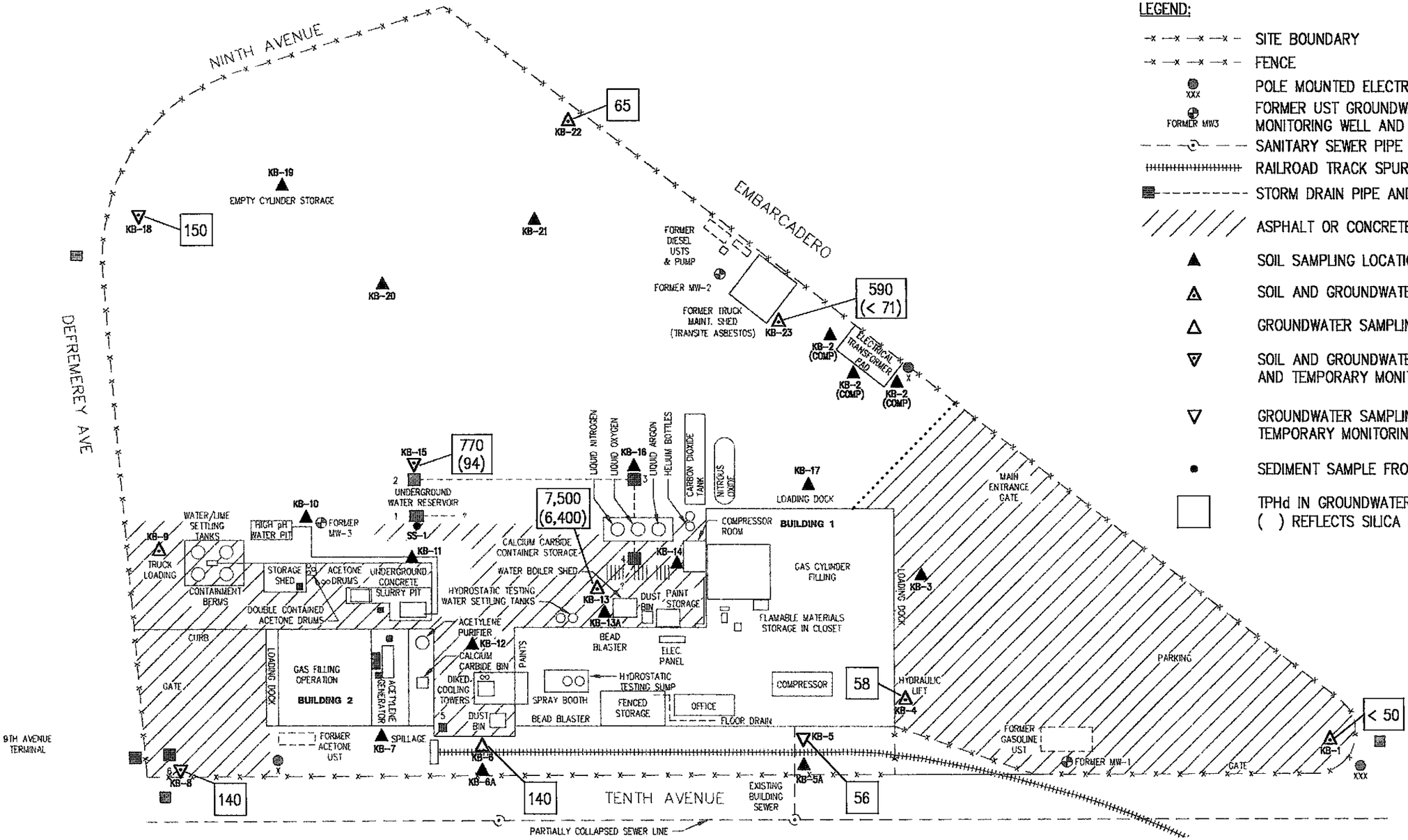
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

TPHd CONCENTRATIONS IN SOIL

K/J 000128.00
OCTOBER 2001

Figure 3

N:\2000\128.00\CAD\f3.dwg



LEGEND:

- SITE BOUNDARY
- FENCE
- XXX — POLE MOUNTED ELECTRICAL TRANSFORMER(S)
- FORMER MW3 — FORMER UST GROUNDWATER MONITORING WELL AND ID
- SANITARY SEWER PIPE AND MAINTENANCE HOLE
- RAILROAD TRACK SPUR
- STORM DRAIN PIPE AND DROP INLET
- ASPHALT OR CONCRETE PAVED AREAS
- ▲ SOIL SAMPLING LOCATION
- ◬ SOIL AND GROUNDWATER SAMPLING LOCATION
- △ GROUNDWATER SAMPLING LOCATION
- ▽ SOIL AND GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- ▽ GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL
- • SEDIMENT SAMPLE FROM STORM DRAIN
- □ TPHd IN GROUNDWATER (μg/L)
  ( ) REFLECTS SILICA GEL ANALYSIS

N

NOT TO SCALE

Kennedy/Jenks Consultants

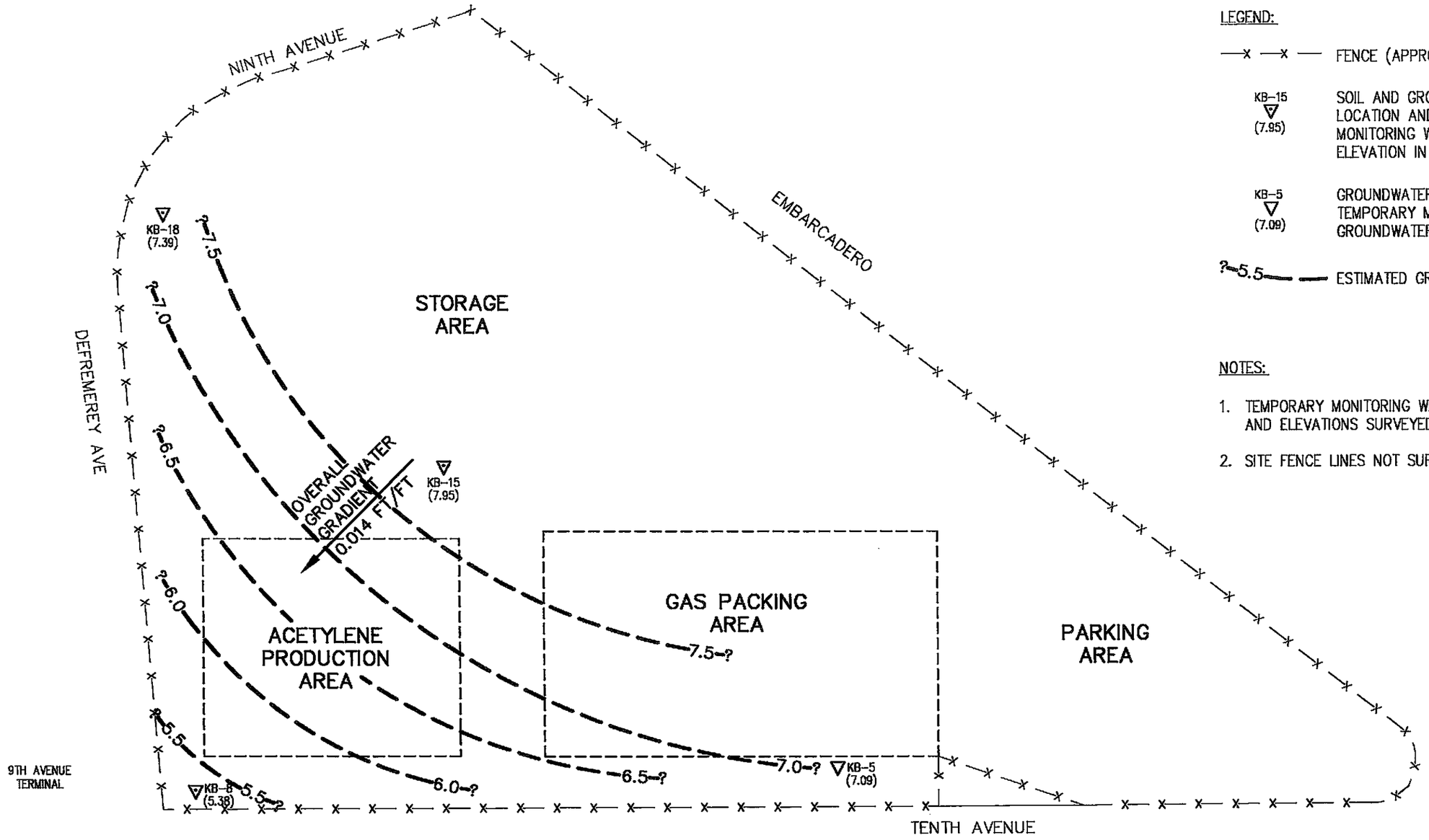
PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

TPHd CONCENTRATIONS IN GROUNDWATER

K/J 000128.00
OCTOBER 2001

Figure 4

N:\2000 sb\000128.00\Dc101-14.dwg



LEGEND:

—x —x — FENCE (APPROXIMATE)

KB-15 (7.95) SOIL AND GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL, GROUNDWATER ELEVATION IN FEET AMSL

KB-5 (7.09) GROUNDWATER SAMPLING LOCATION AND TEMPORARY MONITORING WELL, GROUNDWATER ELEVATION IN FEET AMSL

?-5.5- ESTIMATED GROUNDWATER CONTOUR

NOTES:

1. TEMPORARY MONITORING WELLS LOCATIONS AND ELEVATIONS SURVEYED ON 18 MAY 2001.
2. SITE FENCE LINES NOT SURVEYED.

N

0 25 50

APPROXIMATE SCALE IN FEET

Kennedy/Jenks Consultants

PRAXAIR, INC.
901 EMBARCADERO, OAKLAND, CALIFORNIA

ESTIMATED GROUNDWATER ELEVATION MAP

K/J 000128.00
OCTOBER 2001

Figure 5

N:\2000.lab\000128.00\Oct01-f5.dwg

Appendix A

Soil Boring Logs and Drilling Permit

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 901 Embarcadero
Oakland CA

CLIENT
Name Praxair Inc
Address Industrial Ave Phone 732-738-4000
City Keasbey NJ Zip 08832

APPLICANT
Name Mike McLeod
Kennedy/Jenks Cons. Fax 415-896-0999
Address 622 Folsom St Phone 415-243-2508
City San Francisco Zip 94107

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☒
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☒ DIRECT PUSH		

DRILLER'S NAME Gregg Drilling and Testing
DRILLER'S LICENSE NO. 485165

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 8 Maximum
Hole Diameter 2 in. Depth 10 ft.

ESTIMATED STARTING DATE 5/17/01
ESTIMATED COMPLETION DATE 5/17/01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Mike McLeod DATE 5/3/01

PLEASE PRINT NAME Mike McLeod

FOR OFFICE USE

PERMIT NUMBER W01-265
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as 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 50 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.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit 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.

APPROVED [signature] DATE 5-3-01

Rev. 5-13-00

List of Boring Logs:

KB-1

KB-3

KB-4

KB-8

KB-9

KB-13

KB-15

KB-16

KB-17

KB-18

KB-20

KB-22

KB-23

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Northeast Corner of Site		Boring/Well Name: KB-1	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 16 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 6 FT.	DATE STARTED: 5/17/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 6 TO 16 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 16 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	Recovery (Feet)	Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
KB-1-S 0.2/0.7	3.5				SW		10YR 4/6	**WELL GRADED SAND (SW)** DARK YELLOWISH BROWN, ~15% COARSE-GRAINED SAND, ~80% MEDIUM-GRAINED SAND, DRY, NO ODOR
KB-1-S 3/3.5								
	3.5		5					
	3.5			PID = 0.4 PPM			5GY 5/1	**CLAY TO SANDY CLAY (CL)** GREENISH GRAY, ~10-15% FINE-GRAINED SAND, MEDIUM STIFF, MEDIUM PLASTICITY, MOIST TO WET PATCHES OF 5GY 7/1 GRAY
	0.2		10		CL			SOFT, PLASTICITY INCREASES TO MEDIUM TO HIGH, MOIST
	NR		15	PID = 0.5 PPM			5Y 2.5/1	COLOR INCLUDES BLACK

F-40.1
(6-87) (3-88) (8-90)

Project Name Praxair, Inc. Project Number 000128.00 Boring/Well Name KB-1

SAMPLES			Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
Type & No.	Recovery (Feet)	Penetr Resist. Blows/6"						

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING AND PERISTALTIC PUMP STAINLESS STEEL BAILER

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Center of Loading Docks		Boring/Well Name: KB-3	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 4 ft. bgs
BLANK CASING: n/a	FROM 0 TO 7 FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: n/a	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	Recovery (Feet)	Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								ASPHALT
KB-3-S 3/3.5	3.5			PID = 1.4 PPM	SM		10YR 5/4	**SILTY SAND (SM)** YELLOWISH BROWN, ~70-80% FINE-GRAINED SAND, ~10% SILT, LOOSE, MOIST

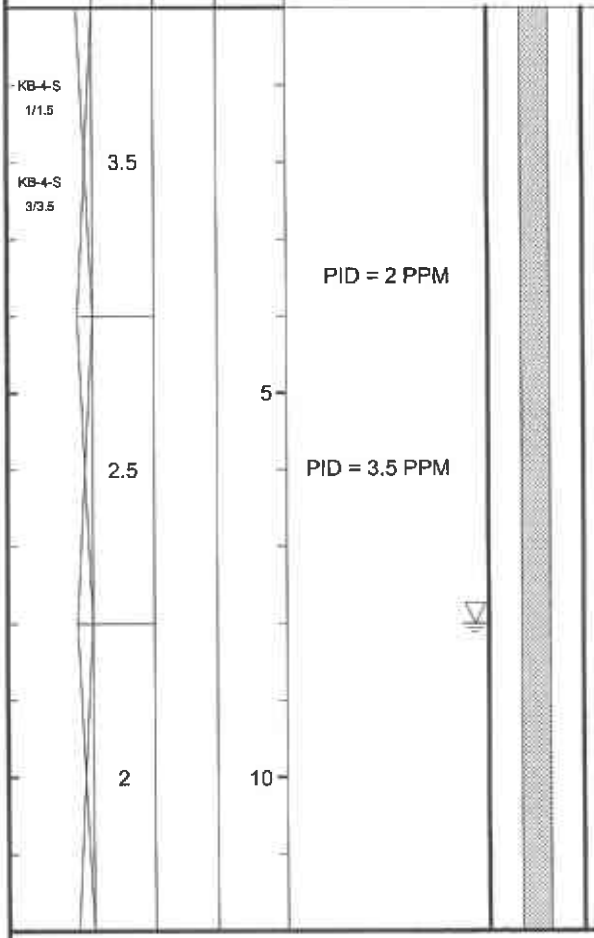
NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Next to Hydraulic Lift		Boring/Well Name: KB-4	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.	DATE STARTED: 5/17/01	DATE COMPLETED: 5/17/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		



Type & No.	Recovery (Feet)	Penetr. Resist. Blows/ft"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								ASPHALT
KB-4-S 1/1.5	3.5				SW		5Y 5/3	WELL GRADED SAND (SW) OLIVE FROM 0.5 - 1.5 FT., YELLOWISH BROWN FROM 1.5 - 3 FT., TO ~15% COARSE-GRAINED SAND, ~20% SILT,
KB-4-S 3/3.5							10 YR 5/6	HYDROCARBON ODOR FROM 1 - 1.5 FT.
	2.5		5	PID = 2 PPM PID = 3.5 PPM	SP		5Y 5/3	POORLY GRADED SAND (SP) OLIVE, ~90% FINE-GRAINED SAND, ~10% SILT, LOOSE, MOIST TO DRY, NO ODOR
	2		10		CL		5GY 5/1	CLAY (CL) GREENISH GRAY, MEDIUM STIFF, MEDIUM PLASTICITY, MOIST, NO ODOR 8 - 12 FT. CLAY IS MIXED WITH ZONES OF POORLY GRADED SAND (SP); WET

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING AND STAINLESS STEEL BAILER

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Adjacent to Drain Inlet #6	Boring/Well Name: KB-8
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson
	Project Name: Praxair, Inc.
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch
	Project Number: 000128.00
ISOLATION CASING: n/a	FROM n/a TO n/a FT.
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.
SEAL: Bentonite Chips	FROM 0 TO 12 FT.
GROUT: n/a	FROM n/a TO n/a FT.

ELEVATION AND DATUM: TOC: 10.377 ft. AMSL	TOTAL DEPTH: 12 ft. bgs
DATE STARTED: 5/17/01	DATE COMPLETED: 5/18/01
STATIC WATER ELEVATION: 5.38 ft. AMSL (5/18/01)	
LOGGED BY: M. McLeod	
SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								CONCRETE
KB-8-S 2/2.5	2.3				SW		10YR 4/4	**WELL GRADED SAND (SW)** DARK YELLOWISH BROWN, ~15% COARSE-GRAINED SAND, ~60% MEDIUM-GRAINED SAND, ~20% SILT, MOIST TO WET
							5GY 4/1	**POORLY GRADED SAND (SP) TO SILTY SAND (SP/SM)** DARK GREENISH GRAY OVERALL, ~80-90% FINE-GRAINED SAND, ~10% SILT, WET, NO ODOR
	2.5		5	PID = 0 PPM	SP-SM			
							5GY 4/1	**CLAY (CL)** DARK GREENISH GRAY WITH BLACK, STIFFNESS VARIES FROM LOW TO VERY STIFF, MEDIUM PLASTICITY, SCATTERED WET, POORLY GRADED SAND (SP) ZONES.
	4		10	PID = 0 PPM	CL		5Y 2.5/1	

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING; PPM = PARTS PER MILLION
7. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING AND PERISTALTIC PUMP
8. FT. AMSL = FEET ABOVE MEAN SEA LEVEL
9. TOC = TOP OF CASING

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Near Settling Tanks		Boring/Well Name: KB-9	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/ft	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
	3			PID = 0.5 PPM	SW		10YR 5/6	**WELL GRADED SAND (SW)** YELLOWISH BROWN OVERALL, ~15% COARSE-GRAINED SAND, ~50% MEDIUM-GRAINED SAND, ~40% FINES, DRY, NO ODOR
					CL		2.5Y 5/2	**CLAY (CL)** GRAYISH BROWN OVERALL, SOFT TO MEDIUM STIFF, WET TO MOIST, NO ODOR
	0.2		5	PID = 0.4 PPM	SM		5GY 4/1	**SILTY SAND (SM)** DARK GREENISH GRAY, ~80% FINE-GRAINED SAND, ~20% SILT, LOOSE, WET, NO ODOR
	2.4		10	PID = 0 PPM	CL		5GY 6/1 5GY 4/1	**CLAY TO SANDY CLAY (CL)** GREENISH GRAY TO DARK GREENISH GRAY, SOFT TO MEDIUM STIFF, LOW PLASTICITY, SCATTERED WET, SILTY SAND (SM) ZONES

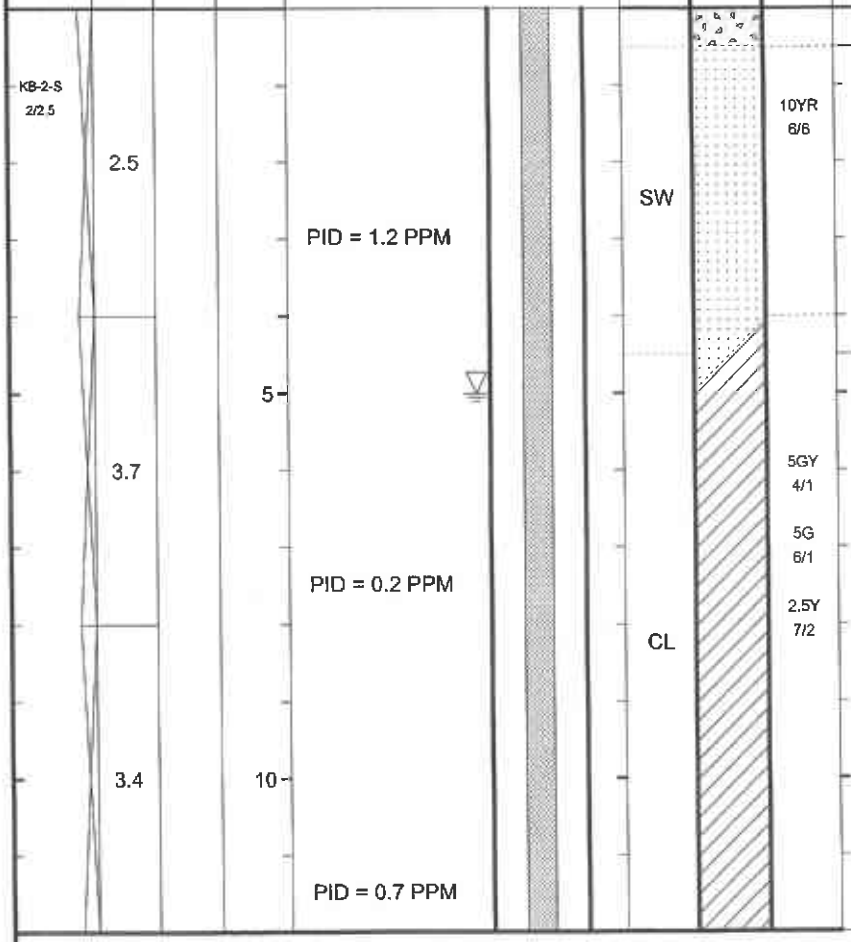
NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING AND PERISTALTIC PUMP

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Near Dust Bin		Boring/Well Name: KB-13	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		



Color	SAMPLE DESCRIPTION and DRILLING REMARKS
	CONCRETE
10YR 6/6	**WELL GRADED SAND (SW)** BROWNISH YELLOW OVERALL, ~15% COARSE-GRAINED SAND, ~80% MEDIUM-GRAINED SAND, DRY
	COLOR CHANGES TO DARK GREENISH GRAY
5GY 4/1 5G 6/1 2.5Y 7/2	**CLAY (CL)** WITH SCATTERED THIN SP-SM LAYERS, MIX OF DARK GREENISH GRAY, GREENISH GRAY, LIGHT GRAY, SOFT TO STIFF, MEDIUM TO LOW PLASTICITY, SP-SM LAYERS HAVE SHELL FRAGMENTS, WET
	MOVE APPROXIMATELY 10 FEET TO UNPAVED AREA NEXT TO DUST BIN AND COLLECT SURFACE SOIL SAMPLE "KB-13A"

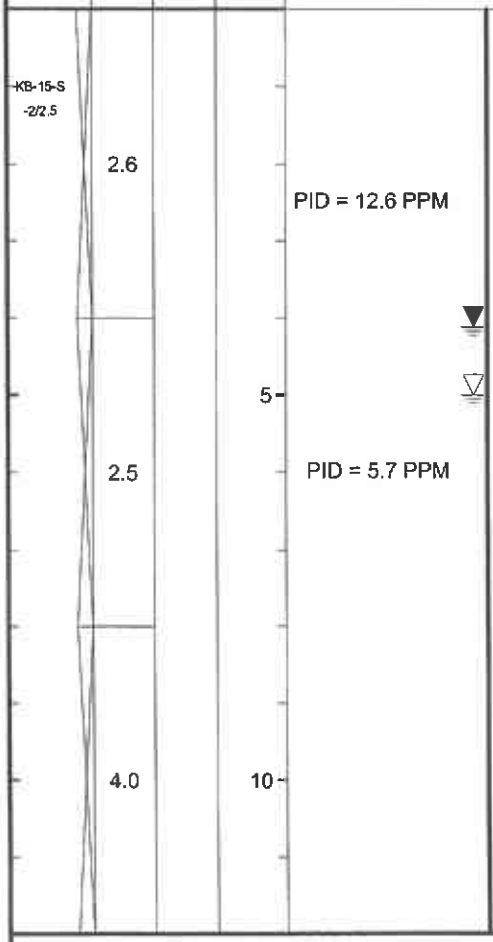
NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING, AND PERISTALTIC PUMP

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Adjacent to Drain Inlet #2		Boring/Well Name: KB-15	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Mari	DRILL BIT(S) SIZE: 2-Inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: TOC: 12.071 ft. AMSL	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.	DATE STARTED: 5/17/01	DATE COMPLETED: 5/17/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: 7.95 ft. AMSL (5/18/01)	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		



Type & No.	Recovery (Feet)	Penetr. Resist. Blows/6"	Drill Depth (Feet)	USCS Log	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
KB-15-S -2/2.5	2.6		0	SM	7.5YR 4/4	**SILTY SAND (SM)** DARK BROWN TO 1.5 FT., GREENISH GRAY TO 5.5 FT., ~60% FINE-GRAINED SAND, ~40-20% SILT, MOIST, SLIGHT "SWAMPY" ODOR
					5GY 5/1	
	2.5		5	SM-CL	5B 4/1	MIX OF **SILTY SAND AND SANDY CLAY (SM-CL)** DARK BLUISH GRAY, VARIES UP TO ~20 TO ~80% FINE-GRAINED SAND, SOFT, NO TO LOW PLASTICITY, WET, NO ODOR
	4.0		10			

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING; PPM = PARTS PER MILLION
7. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING AND STAINLESS STEEL BAILER
8. FT. AMSL = FEET ABOVE MEAN SEA LEVEL
9. TOC = TOP OF CASING

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Adjacent to Drain Inlet #3	Boring/Well Name: KB-16
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson
	Project Name: Praxair, Inc.
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch
	Project Number: 000128.00
ISOLATION CASING: n/a	FROM n/a TO n/a FT.
BLANK CASING: n/a	FROM n/a TO n/a FT.
SLOTTED CASING: n/a	FROM n/a TO n/a FT.
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.
SEAL: Bentonite Chips	FROM 0 TO 4 FT.
GROUT: n/a	FROM n/a TO n/a FT.

ELEVATION AND DATUM: n/a	TOTAL DEPTH: 4 ft. bgs
DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
STATIC WATER ELEVATION: n/a	
LOGGED BY: M. McLeod	
SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								ASPHALT
KB-16-S 2/2.5	2				SW		2.5Y 4/3	**WELL GRADED SAND (SW)** OLIVE BROWN, ~70% COARSE-GRAINED SAND, ~30% FINE-GRAINED SAND AND MEDIUM-GRAINED SAND, DENSE, WET
					CL		2.5Y 6/2 10YR 5/6	**CLAY TO SANDY CLAY (CL)** LIGHT BROWNISH GRAY, YELLOWISH BROWN, MEDIUM STIFF, MEDIUM PLASTICITY, MOIST, NO ODOR

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Center of Loading Docks		Boring/Well Name: KB-17	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-Inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 4 ft. bgs
BLANK CASING: n/a	FROM n/a TO n/a FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: n/a	FROM n/a TO n/a FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 4 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	Recovery (Feet)	Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								ASPHALT
KB-17-S 3/3.5	3.5				SP		2.5Y 5/6	**POORLY GRADED SAND (SP)** LIGHT OLIVE BROWN ~95% FINE-GRAINED SAND, ~5% SILT, LOOSE, DRY, NO ODOR
					CL		2.5Y N2/0	**CLAY (CL)** BLACK, SOFT, MEDIUM PLASTICITY, MOIST, NO ODOR

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Near Fence, Northwest Corner of Site	Boring/Well Name: KB-18
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson
	Project Name: Praxair, Inc.
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch
	Project Number: 000128.00
ISOLATION CASING: n/a	FROM n/a TO n/a FT.
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.
SEAL: Bentonite Chips	FROM 0 TO 12 FT.
GROUT: n/a	FROM n/a TO n/a FT.
ELEVATION AND DATUM: TOC: 13.838 ft. AMSL	TOTAL DEPTH: 12 ft. bgs
DATE STARTED: 5/17/01	DATE COMPLETED: 5/18/01
STATIC WATER ELEVATION: 7.39 ft. AMSL (5/18/01)	
LOGGED BY: M. McLeod	
SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
	2.9				CL		2.5Y 6/3	**SANDY CLAY (CL)** LIGHT YELLOWISH BROWN OVERALL, ~40-50% FINE-GRAINED SAND WITH SCATTERED COARSE-GRAINED SAND, SOFT - MEDIUM STIFF, LOW PLASTICITY, MOIST, NO ODOR
				PID = 2.7 PPM				
	3.8		5		CL			GRADES TO **CLAY (CL)** LIGHT YELLOWISH BROWN OVERALL, SOFT, MEDIUM PLASTICITY, MOIST (WET ZONE AT 5.5 FT.), NO ODOR
				PID = 3.3 PPM			10YR 5/6	**SILTY SAND (SM)** YELLOWISH BROWN TO 9 FT., DARK GRAY BELOW, ~70% FINE-GRAINED SAND, ~30% SILT, NO ODOR
	2.0		10	PID = 3.0 PPM	SM		5Y 4/1	BECOMES WET

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING; PPM = PARTS PER MILLION
7. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING AND STAINLESS STEEL BAILER
8. FT. AMSL = FEET ABOVE MEAN SEA LEVEL
9. TOC = TOP OF CASING

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Center of Unpaved area		Boring/Well Name: KB-20	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 4 ft. bgs
BLANK CASING: n/a	FROM 0 TO n/a FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: n/a	FROM n/a TO n/a FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 4 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
KB-20-S 0/0.5	3.5				GW			GRAVEL
KB-20-S 3/3.5					SP		10YR 5/4	**POORLY GRADED SAND (SP)** YELLOWISH BROWN,~90% FINE-GRAINED SAND, ~5-10% SILT, LOOSE, DRY, NO ODOR

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Near Fence, Northern Part of Site	Boring/Well Name: KB-22
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson
	Project Name: Praxair, Inc.
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-Inch
	Project Number: 000128.00

ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: n/a	FROM 0 TO 7 FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: n/a	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	SAMPLES Recovery (Feet)	SAMPLES Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
								ASPHALT
KB-22-S 0.5/1.0	3.2				SP		2.5Y 5/4	POORLY GRADED SAND (SP) LIGHT OLIVE BROWN OVERALL, ~95% FINE-GRAINED SAND, ~5% SILT, LOOSE, DRY, NO ODOR
				PID = 0.8 PPM	CL		5B 4/1 5Y 2.5/1	CLAY (CL) DARK BLUISH GRAY AND BLACK, MEDIUM STIFF TO STIFF, MEDIUM PLASTICITY, MOIST TO DRY, NO ODOR
	2.0		5					POORLY GRADED SAND (SP) DARK GREENISH GRAY, ~95% FINE-GRAINED SAND, ~5% SILT, LOOSE, WET
				PID = 0.7 PPM			5GY 4/1	SHREDDED WOOD IN SAMPLER
	0		10		SP			SHREDDED WOOD BLOCKS SAMPLER. RECOVER MIX OF CLAY, POORLY GRADED SAND (SP), AND SHREDDED WOOD AT TIP OF SAMPLER

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING, AND PERISTALTIC PUMP

Boring & Well Construction Log

Kennedy/Jenks Consultants

BORING LOCATION: Near Former Diesel USTs		Boring/Well Name: KB-23	
DRILLING COMPANY: Gregg Drilling and Testing, Inc.	DRILLER: D. Pearson	Project Name: Praxair, Inc.	
DRILLING METHOD(S): Direct Push - Marl	DRILL BIT(S) SIZE: 2-inch	Project Number: 000128.00	
ISOLATION CASING: n/a	FROM n/a TO n/a FT.	ELEVATION AND DATUM: n/a	TOTAL DEPTH: 12 ft. bgs
BLANK CASING: 3/4-inch PVC (temporary)	FROM 0 TO 7 FT.	DATE STARTED: 5/18/01	DATE COMPLETED: 5/18/01
SLOTTED CASING: 3/4-inch PVC (temporary)	FROM 7 TO 12 FT.	STATIC WATER ELEVATION: n/a	
SIZE AND TYPE OF FILTER PACK: n/a	FROM n/a TO n/a FT.	LOGGED BY: M. McLeod	
SEAL: Bentonite Chips	FROM 0 TO 12 FT.	SAMPLING METHODS: Continuous	WELL COMPLETION: ☐ SURFACE HOUSING ☐ STAND PIPE ____ FT.
GROUT: n/a	FROM n/a TO n/a FT.		

SAMPLES Type & No.	Recovery (Feet)	Penetr. Resist. Blows/6"	Drill Depth (Feet)	WELL CONSTRUCTION	USCS Log	Lithology	Color	SAMPLE DESCRIPTION and DRILLING REMARKS
KB-12-S 2/2.5	2.5				SP		10YR 4/4	**POORLY GRADED SAND (SP)** DARK YELLOWISH BROWN, ~90-95% FINE-GRAINED SAND, ~5% SILT, LOOSE, DRY
								CLAY TO SANDY CLAY (CL) MOTTLED GRAYISH BROWN WITH YELLOWISH BROWN, SOFT, MEDIUM TO HIGH PLASTICITY, MOIST, NO ODOR
	3.6		5				2.5Y 5/2	
							10YR 5/4	STIFFNESS RANGES UP TO STIFF, SAND VARIES UP TO ~30%
				▽ PID = 1.0 PPM	CL			WET SANDY ZONES PRESENT
	1.5		10					
				PID = 0.5 PPM				

NOTES

1. ALL CONTACTS ARE APPROXIMATE
2. VERTICAL SCALE IS 1-INCH = 2.5 FEET
3. BGS: BELOW GROUND SURFACE
4. SOIL CLASSIFIED IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM, ASTM D-2488-93
5. COLOR DESIGNATION IN ACCORDANCE WITH THE MUNSELL SOIL COLOR CHARTS (KOLLMORGEN INSTRUMENTS CORPORATION, 1990)
6. PID = PHOTOIONIZATION DETECTOR HEADSPACE READING
7. PPM = PARTS PER MILLION
8. RECONNAISSANCE GROUNDWATER SAMPLE COLLECTED USING NEW TEMPORARY PVC CASING, NEW DISPOSABLE TUBING AND PERISTALTIC PUMP

Appendix B

Analytical Data Reports and Chain of Custody Forms

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Ms. Meredith Durant

Project: 000128.00
Praxair Oakland

Dear Meredith,

Attached is our report for your samples received on Thursday May 17, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after July 1, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu

Surinder Sidhu

To: Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

CASE NARRATIVE

General and Sample Comments

We (STL ChromaLab) received 6 Soil samples, 8 Water samples, on May 17 2001 6:33PM.

Analysis Comments and Flags by QC Batch

Semi-volatile Organic Compounds by 8270C	Water	QC Batch#: 2001/05/18.01-11

Laboratory Control Spike Duplicate Lab#: 2001/05/18.01-11-009

rpo = %RPD outside of control limits.
or = %R outside of control limits.

PCBs	Water	QC Batch#: 2001/05/21.02-14

Laboratory Control Spike Lab#: 2001/05/21.02-14-002

Compound Flag(s)

s One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

Laboratory Control Spike Duplicate Lab#: 2001/05/21.02-14-003

s One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

Semi-volatile Organic Compounds by 8270C	Soil	QC Batch#: 2001/05/22.01-11

Method Blank Lab#: 2001/05/22.01-11-020

b Analyte was found in the method blank at a concentration greater than the reporting limit.

Diesel	Soil	QC Batch#: 2001/05/21.02-10

KB-15.5-4.5 Lab#: 2001-05-0337-002

NDP Hydrocarbon reported does not match the pattern of our Diesel standard

Diesel	Soil	QC Batch#: 2001/05/22.01-10

KB-4-5-1.0/1.5 Lab#: 2001-05-0337-008

LDR Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

KB-1-S-0.2/0.7 Lab#: 2001-05-0337-011

NDP Hydrocarbon reported does not match the pattern of our Diesel standard
sh Surrogate recovery was higher than QC limit due to matrix interference.

KB-1-S-2/2.5 Lab#: 2001-05-0337-013

ndp Hydrocarbon reported does not match the pattern of our Diesel standard

Diesel	Water	QC Batch#: 2001/05/18.04-10

KB-18-W Lab#: 2001-05-0337-001

To: Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

CASE NARRATIVE

Analysis Flag(s)
rl Reporting limits raised due to reduced sample size.
Compound Flag(s)
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

KB-15-WA Lab#: 2001-05-0337-004

Analysis Flag(s)
rl Reporting limits raised due to reduced sample size.
Compound Flag(s)
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

KB-5-W Lab#: 2001-05-0337-005
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

5/17-DUP Lab#: 2001-05-0337-006
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

KB-4-W Lab#: 2001-05-0337-009

Analysis Flag(s)
rl Reporting limits raised due to reduced sample size.
Compound Flag(s)
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

KB-6-W Lab#: 2001-05-0337-010

Analysis Flag(s)
rl Reporting limits raised due to reduced sample size.
Compound Flag(s)
NDP Hydrocarbon reported does not match the pattern of our Diesel standard

PCBs	Water	QC Batch#: 2001/05/21.02-14

KB-4-W Lab#: 2001-05-0337-009
s One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

Semi-volatile Organic Compounds by 8270C	Water	QC Batch#: 2001/05/18.01-11

KB-6-W Lab#: 2001-05-0337-010

Analysis Flag(s)
rl Reporting limits raised due to reduced sample size.
Compound Flag(s)

To: Kennedy/Jenks-San Francisco
Attn.: Meredith Durant

CASE NARRATIVE

sl Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

Volatile OrganicCompounds by 8260A	Soil	QC Batch#: 2001/05/22.01-09

KB-1-S-2/2.5 Lab#: 2001-05-0337-013

sh Surrogate recovery was higher than QC limit due to matrix interference.

Volatile OrganicCompounds by 8260A	Water	QC Batch#: 2001/05/21.01-60

KB-18-W Lab#: 2001-05-0337-001

Analysis Flag(s)

rl Reporting limits raised due to reduced sample size.

KB-4-W Lab#: 2001-05-0337-009

Compound Flag(s)

sh Surrogate recovery was higher than QC limit due to matrix interference.

Volatile OrganicCompounds by 8260A	Water	QC Batch#: 2001/05/22.01-60

KB-15-W Lab#: 2001-05-0337-003

Analysis Flag(s)

rl Reporting limits raised due to reduced sample size.

Volatile Organic Compounds by 8260A

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-15.5-4.5	Soil	05/17/2001 09:25	2
KB-4-5-3/3.5	Soil	05/17/2001 12:45	7
KB-4-5-1.0/1.5	Soil	05/17/2001 12:45	8
KB-1-S-0.2/0.7	Soil	05/17/2001 14:55	11
KB-1-S-3/3.5	Soil	05/17/2001 14:55	12
KB-1-S-2/2.5	Soil	05/17/2001 15:50	13

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-15.5-4.5**	Lab Sample ID:	**2001-05-0337-002**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/21/2001 18:37
Sampled:	05/17/2001 09:25	QC-Batch:	2001/05/21-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/21/2001 18:37	
Benzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Bromoform	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Bromomethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Chloroethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/21/2001 18:37	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/21/2001 18:37	
Chloroform	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Chloromethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/21/2001 18:37	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Dibromomethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/21/2001 18:37	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
2-Hexanone	ND	50	ug/Kg	1.00	05/21/2001 18:37	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/21/2001 18:37	
Naphthalene	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Styrene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-15.5-4.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0337-002**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 18:37
QC-Batch: 2001/05/21-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Vinyl acetate	ND	50	ug/Kg	1.00	05/21/2001 18:37	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Total xylenes	ND	10	ug/Kg	1.00	05/21/2001 18:37	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Bromochloromethane	ND	20	ug/Kg	1.00	05/21/2001 18:37	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
MTBE	ND	5.0	ug/Kg	1.00	05/21/2001 18:37	
Surrogate(s)						
4-Bromofluorobenzene	93.4	74-121	%	1.00	05/21/2001 18:37	
1,2-Dichloroethane-d4	117.3	70-121	%	1.00	05/21/2001 18:37	
Toluene-d8	104.2	81-117	%	1.00	05/21/2001 18:37	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-4-5-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 12:45
Matrix: Soil

Lab Sample ID: **2001-05-0337-007**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:05
QC-Batch: 2001/05/21-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/21/2001 19:05	
Benzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Bromoform	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Bromomethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Chloroethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/21/2001 19:05	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/21/2001 19:05	
Chloroform	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Chloromethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/21/2001 19:05	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Dibromomethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/21/2001 19:05	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
2-Hexanone	ND	50	ug/Kg	1.00	05/21/2001 19:05	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/21/2001 19:05	
Naphthalene	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Styrene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-4-5-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 12:45
Matrix: Soil

Lab Sample ID: **2001-05-0337-007**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:05
QC-Batch: 2001/05/21-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Vinyl acetate	ND	50	ug/Kg	1.00	05/21/2001 19:05	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Total xylenes	ND	10	ug/Kg	1.00	05/21/2001 19:05	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Bromochloromethane	ND	20	ug/Kg	1.00	05/21/2001 19:05	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
MTBE	ND	5.0	ug/Kg	1.00	05/21/2001 19:05	
Surrogate(s)						
4-Bromofluorobenzene	86.5	74-121	%	1.00	05/21/2001 19:05	
1,2-Dichloroethane-d4	92.7	70-121	%	1.00	05/21/2001 19:05	
Toluene-d8	111.0	81-117	%	1.00	05/21/2001 19:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-4-5-1.0/1.5**	Lab Sample ID:	**2001-05-0337-008**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/21/2001 19:34
Sampled:	05/17/2001 12:45	QC-Batch:	2001/05/21-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/21/2001 19:34	
Benzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Bromoform	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Bromomethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Chloroethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/21/2001 19:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/21/2001 19:34	
Chloroform	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Chloromethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/21/2001 19:34	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Dibromomethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/21/2001 19:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
2-Hexanone	ND	50	ug/Kg	1.00	05/21/2001 19:34	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/21/2001 19:34	
Naphthalene	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Styrene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-4-5-1.0/1.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 12:45
Matrix: Soil

Lab Sample ID: **2001-05-0337-008**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:34
QC-Batch: 2001/05/21-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Vinyl acetate	ND	50	ug/Kg	1.00	05/21/2001 19:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Total xylenes	ND	10	ug/Kg	1.00	05/21/2001 19:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Bromochloromethane	ND	20	ug/Kg	1.00	05/21/2001 19:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
MTBE	ND	5.0	ug/Kg	1.00	05/21/2001 19:34	
Surrogate(s)						
4-Bromofluorobenzene	93.6	74-121	%	1.00	05/21/2001 19:34	
1,2-Dichloroethane-d4	114.2	70-121	%	1.00	05/21/2001 19:34	
Toluene-d8	101.4	81-117	%	1.00	05/21/2001 19:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-S-0.2/0.7**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-011**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 14:01
QC-Batch: 2001/05/22-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/22/2001 14:01	
Benzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Bromoform	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Bromomethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Chloroethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/22/2001 14:01	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/22/2001 14:01	
Chloroform	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Chloromethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/22/2001 14:01	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Dibromomethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/22/2001 14:01	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
2-Hexanone	ND	50	ug/Kg	1.00	05/22/2001 14:01	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/22/2001 14:01	
Naphthalene	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Styrene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-S-0.2/0.7**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-011**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 14:01
QC-Batch: 2001/05/22-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Vinyl acetate	ND	50	ug/Kg	1.00	05/22/2001 14:01	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Total xylenes	ND	10	ug/Kg	1.00	05/22/2001 14:01	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Bromochloromethane	ND	20	ug/Kg	1.00	05/22/2001 14:01	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
MTBE	ND	5.0	ug/Kg	1.00	05/22/2001 14:01	
Surrogate(s)						
4-Bromofluorobenzene	90.5	74-121	%	1.00	05/22/2001 14:01	
1,2-Dichloroethane-d4	116.2	70-121	%	1.00	05/22/2001 14:01	
Toluene-d8	102.3	81-117	%	1.00	05/22/2001 14:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-S-3/3.5**
Project: 000128.00 Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-012**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 13:34
QC-Batch: 2001/05/22-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/22/2001 13:34	
Benzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Bromoform	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Bromomethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Chloroethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/22/2001 13:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/22/2001 13:34	
Chloroform	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Chloromethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/22/2001 13:34	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Dibromomethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/22/2001 13:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
2-Hexanone	ND	50	ug/Kg	1.00	05/22/2001 13:34	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/22/2001 13:34	
Naphthalene	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Styrene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-S-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-012**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 13:34
QC-Batch: 2001/05/22-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Vinyl acetate	ND	50	ug/Kg	1.00	05/22/2001 13:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Total xylenes	ND	10	ug/Kg	1.00	05/22/2001 13:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Bromochloromethane	ND	20	ug/Kg	1.00	05/22/2001 13:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
MTBE	ND	5.0	ug/Kg	1.00	05/22/2001 13:34	
Surrogate(s)						
4-Bromofluorobenzene	85.9	74-121	%	1.00	05/22/2001 13:34	
1,2-Dichloroethane-d4	120.8	70-121	%	1.00	05/22/2001 13:34	
Toluene-d8	96.2	81-117	%	1.00	05/22/2001 13:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-S-2/2.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 15:50
Matrix: Soil

Lab Sample ID: **2001-05-0337-013**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 13:06
QC-Batch: 2001/05/22-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/22/2001 13:06	
Benzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Bromoform	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Bromomethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Chloroethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/22/2001 13:06	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/22/2001 13:06	
Chloroform	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Chloromethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/22/2001 13:06	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Dibromomethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/22/2001 13:06	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
2-Hexanone	ND	50	ug/Kg	1.00	05/22/2001 13:06	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/22/2001 13:06	
Naphthalene	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Styrene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-1-S-2/2.5**	Lab Sample ID:	**2001-05-0337-013**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 13:06
Sampled:	05/17/2001 15:50	QC-Batch:	2001/05/22-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Vinyl acetate	ND	50	ug/Kg	1.00	05/22/2001 13:06	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Total xylenes	ND	10	ug/Kg	1.00	05/22/2001 13:06	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Bromochloromethane	ND	20	ug/Kg	1.00	05/22/2001 13:06	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
MTBE	ND	5.0	ug/Kg	1.00	05/22/2001 13:06	
Surrogate(s)						
4-Bromofluorobenzene	89.0	74-121	%	1.00	05/22/2001 13:06	
1,2-Dichloroethane-d4	133.4	70-121	%	1.00	05/22/2001 13:06	sh
Toluene-d8	103.5	81-117	%	1.00	05/22/2001 13:06	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/21-01.09**

MB: 2001/05/21-01.09-004

Date Extracted: 05/21/2001 10:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/Kg	05/21/2001 10:58	
Benzene	ND	5.0	ug/Kg	05/21/2001 10:58	
Bromodichloromethane	ND	5.0	ug/Kg	05/21/2001 10:58	
Bromoform	ND	5.0	ug/Kg	05/21/2001 10:58	
Bromomethane	ND	10.0	ug/Kg	05/21/2001 10:58	
Carbon tetrachloride	ND	5.0	ug/Kg	05/21/2001 10:58	
Chlorobenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
Chloroethane	ND	10	ug/Kg	05/21/2001 10:58	
2-Butanone(MEK)	ND	50	ug/Kg	05/21/2001 10:58	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/21/2001 10:58	
Chloroform	ND	5.0	ug/Kg	05/21/2001 10:58	
Chloromethane	ND	10	ug/Kg	05/21/2001 10:58	
Dibromochloromethane	ND	5.0	ug/Kg	05/21/2001 10:58	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/21/2001 10:58	
1,2-Dibromoethane	ND	10	ug/Kg	05/21/2001 10:58	
Dibromomethane	ND	10	ug/Kg	05/21/2001 10:58	
Dichlorodifluoromethane	ND	10	ug/Kg	05/21/2001 10:58	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/21/2001 10:58	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/21/2001 10:58	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/21/2001 10:58	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/21/2001 10:58	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/21/2001 10:58	
Ethylbenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
2-Hexanone	ND	50	ug/Kg	05/21/2001 10:58	
Methylene chloride	ND	5.0	ug/Kg	05/21/2001 10:58	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/21/2001 10:58	
Naphthalene	ND	10	ug/Kg	05/21/2001 10:58	
Styrene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
Tetrachloroethene	ND	5.0	ug/Kg	05/21/2001 10:58	
Toluene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
Trichloroethene	ND	5.0	ug/Kg	05/21/2001 10:58	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
Vinyl acetate	ND	50	ug/Kg	05/21/2001 10:58	
Vinyl chloride	ND	5.0	ug/Kg	05/21/2001 10:58	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/21-01.09**

MB: 2001/05/21-01.09-004 | Date Extracted: 05/21/2001 10:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	10	ug/Kg	05/21/2001 10:58	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/21/2001 10:58	
Carbon disulfide	ND	5.0	ug/Kg	05/21/2001 10:58	
Isopropylbenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
Bromobenzene	ND	5.0	ug/Kg	05/21/2001 10:58	
Bromochloromethane	ND	20	ug/Kg	05/21/2001 10:58	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/21/2001 10:58	
MTBE	ND	5.0	ug/Kg	05/21/2001 10:58	
Surrogate(s)					
4-Bromofluorobenzene	96.4	74-121	%	05/21/2001 10:58	
1,2-Dichloroethane-d4	98.2	70-121	%	05/21/2001 10:58	
Toluene-d8	104.6	81-117	%	05/21/2001 10:58	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.09**

MB: 2001/05/22-01.09-004 | Date Extracted: 05/22/2001 10:45

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/Kg	05/22/2001 10:45	
Benzene	ND	5.0	ug/Kg	05/22/2001 10:45	
Bromodichloromethane	ND	5.0	ug/Kg	05/22/2001 10:45	
Bromoform	ND	5.0	ug/Kg	05/22/2001 10:45	
Bromomethane	ND	10.0	ug/Kg	05/22/2001 10:45	
Carbon tetrachloride	ND	5.0	ug/Kg	05/22/2001 10:45	
Chlorobenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
Chloroethane	ND	10	ug/Kg	05/22/2001 10:45	
2-Butanone(MEK)	ND	50	ug/Kg	05/22/2001 10:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/22/2001 10:45	
Chloroform	ND	5.0	ug/Kg	05/22/2001 10:45	
Chloromethane	ND	10	ug/Kg	05/22/2001 10:45	
Dibromochloromethane	ND	5.0	ug/Kg	05/22/2001 10:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/22/2001 10:45	
1,2-Dibromoethane	ND	10	ug/Kg	05/22/2001 10:45	
Dibromomethane	ND	10	ug/Kg	05/22/2001 10:45	
Dichlorodifluoromethane	ND	10	ug/Kg	05/22/2001 10:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/22/2001 10:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/22/2001 10:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/22/2001 10:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/22/2001 10:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/22/2001 10:45	
Ethylbenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
2-Hexanone	ND	50	ug/Kg	05/22/2001 10:45	
Methylene chloride	ND	5.0	ug/Kg	05/22/2001 10:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/22/2001 10:45	
Naphthalene	ND	10	ug/Kg	05/22/2001 10:45	
Styrene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
Tetrachloroethene	ND	5.0	ug/Kg	05/22/2001 10:45	
Toluene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
Trichloroethene	ND	5.0	ug/Kg	05/22/2001 10:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
Vinyl acetate	ND	50	ug/Kg	05/22/2001 10:45	
Vinyl chloride	ND	5.0	ug/Kg	05/22/2001 10:45	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.09**

MB: 2001/05/22-01.09-004 | Date Extracted: 05/22/2001 10:45

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	10	ug/Kg	05/22/2001 10:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/22/2001 10:45	
Carbon disulfide	ND	5.0	ug/Kg	05/22/2001 10:45	
Isopropylbenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
Bromobenzene	ND	5.0	ug/Kg	05/22/2001 10:45	
Bromochloromethane	ND	20	ug/Kg	05/22/2001 10:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/22/2001 10:45	
MTBE	ND	5.0	ug/Kg	05/22/2001 10:45	
Surrogate(s)					
4-Bromofluorobenzene	92.4	74-121	%	05/22/2001 10:45	
1,2-Dichloroethane-d4	112.0	70-121	%	05/22/2001 10:45	
Toluene-d8	101.2	81-117	%	05/22/2001 10:45	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/21-01.09**

LCS: 2001/05/21-01.09-002 Extracted: 05/21/2001 09:56 Analyzed 05/21/2001 09:56
LCSD: 2001/05/21-01.09-003 Extracted: 05/21/2001 10:31 Analyzed 05/21/2001 10:31

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	98.6	99.7	100.0	100.0	98.6	99.7	1.1	69-129	20		
Chlorobenzene	90.2	97.0	100.0	100.0	90.2	97.0	7.3	61-121	20		
1,1-Dichloroethene	87.7	84.3	100.0	100.0	87.7	84.3	4.0	65-125	20		
Toluene	101	102	100.0	100.0	101.0	102.0	1.0	70-130	20		
Trichloroethene	104	95.6	100.0	100.0	104.0	95.6	8.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	474	493	500	500	94.8	98.6		74-121			
1,2-Dichloroethane-d4	531	521	500	500	106.2	104.2		70-121			
Toluene-d8	490	490	500	500	98.0	98.0		81-117			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-01.09**

LCS: 2001/05/22-01.09-002 Extracted: 05/22/2001 09:43 Analyzed 05/22/2001 09:43
LCSD: 2001/05/22-01.09-003 Extracted: 05/22/2001 10:19 Analyzed 05/22/2001 10:19

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	98.3	97.8	100.0	100.0	98.3	97.8	0.5	69-129	20		
Chlorobenzene	89.1	94.4	100.0	100.0	89.1	94.4	5.8	61-121	20		
1,1-Dichloroethene	79.6	90.7	100.0	100.0	79.6	90.7	13.0	65-125	20		
Toluene	101	101	100.0	100.0	101.0	101.0	0.0	70-130	20		
Trichloroethene	104	97.5	100.0	100.0	104.0	97.5	6.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	479	486	500	500	95.8	97.2		74-121			
1,2-Dichloroethane-d4	507	529	500	500	101.4	105.8		70-121			
Toluene-d8	495	480	500	500	99.0	96.0		81-117			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Legend & Notes

Volatile Organic Compounds by 8260A

Analyte Flags

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Volatile Organic Compounds by 8260A

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-18-W	Water	05/17/2001 08:45	1
KB-15-W	Water	05/17/2001 09:45	3
KB-5-W	Water	05/17/2001 11:40	5
5/17-DUP	Water	05/17/2001 11:50	6
KB-4-W	Water	05/17/2001 13:25	9
KB-6-W	Water	05/17/2001 14:20	10
TRIP BLANK	Water	05/17/2001	14

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-18-W**

Lab Sample ID: **2001-05-0337-001**

Project: 000128.00
Praxair Oakland

Received: 05/17/2001 18:33

Extracted: 05/21/2001 22:11

Sampled: 05/17/2001 08:45

QC-Batch: 2001/05/21-01.60

Matrix: Water

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	100	ug/L	2.00	05/21/2001 22:11	
Benzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Bromodichloromethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Bromoform	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Bromomethane	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Carbon tetrachloride	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Chlorobenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Chloroethane	ND	2.0	ug/L	2.00	05/21/2001 22:11	
2-Butanone(MEK)	ND	100	ug/L	2.00	05/21/2001 22:11	
2-Chloroethylvinyl ether	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Chloroform	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Chloromethane	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Dibromochloromethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,2-Dichlorobenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,3-Dichlorobenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,4-Dichlorobenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,2-Dibromo-3-chloropropane	ND	10	ug/L	2.00	05/21/2001 22:11	
1,2-Dibromoethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Dibromomethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Dichlorodifluoromethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,1-Dichloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,2-Dichloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,1-Dichloroethene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
cis-1,2-Dichloroethene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
trans-1,2-Dichloroethene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,2-Dichloropropane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
cis-1,3-Dichloropropene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
trans-1,3-Dichloropropene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Ethylbenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
2-Hexanone	ND	100	ug/L	2.00	05/21/2001 22:11	
Methylene chloride	ND	10	ug/L	2.00	05/21/2001 22:11	
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L	2.00	05/21/2001 22:11	
Naphthalene	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Styrene	ND	1.0	ug/L	2.00	05/21/2001 22:11	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-18-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 08:45
Matrix: Water

Lab Sample ID: **2001-05-0337-001**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 22:11
QC-Batch: 2001/05/21-01.60

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Tetrachloroethene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Toluene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,1,1-Trichloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,1,2-Trichloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Trichloroethene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Vinyl acetate	ND	10	ug/L	2.00	05/21/2001 22:11	
Vinyl chloride	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Total xylenes	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Trichlorotrifluoroethane	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Carbon disulfide	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Isopropylbenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Bromobenzene	ND	1.0	ug/L	2.00	05/21/2001 22:11	
Bromochloromethane	ND	2.0	ug/L	2.00	05/21/2001 22:11	
Trichlorofluoromethane	ND	4.0	ug/L	2.00	05/21/2001 22:11	
MTBE	ND	10	ug/L	2.00	05/21/2001 22:11	
Surrogate(s)						
4-Bromofluorobenzene	109.3	86-115	%	1.00	05/21/2001 22:11	
1,2-Dichloroethane-d4	105.2	76-114	%	1.00	05/21/2001 22:11	
Toluene-d8	104.9	88-110	%	1.00	05/21/2001 22:11	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-15-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 09:45
Matrix: Water

Lab Sample ID: **2001-05-0337-003**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 14:57
QC-Batch: 2001/05/22-01.60

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	200	ug/L	4.00	05/22/2001 14:57	
Benzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Bromodichloromethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Bromoform	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Bromomethane	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Carbon tetrachloride	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Chlorobenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Chloroethane	ND	4.0	ug/L	4.00	05/22/2001 14:57	
2-Butanone(MEK)	ND	200	ug/L	4.00	05/22/2001 14:57	
2-Chloroethylvinyl ether	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Chloroform	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Chloromethane	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Dibromochloromethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,2-Dibromo-3-chloropropane	ND	20	ug/L	4.00	05/22/2001 14:57	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Dibromomethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
cis-1,2-Dichloroethene	4.5	2.0	ug/L	4.00	05/22/2001 14:57	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,2-Dichloropropane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Ethylbenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
2-Hexanone	ND	200	ug/L	4.00	05/22/2001 14:57	
Methylene chloride	ND	20	ug/L	4.00	05/22/2001 14:57	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	05/22/2001 14:57	
Naphthalene	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Styrene	ND	2.0	ug/L	4.00	05/22/2001 14:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-15-W**
Project: 000128.00
Praxair Oakland

Sampled: 05/17/2001 09:45
Matrix: Water

Lab Sample ID: **2001-05-0337-003**
Received: 05/17/2001 18:33

Extracted: 05/22/2001 14:57
QC-Batch: 2001/05/22-01.60

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Tetrachloroethene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Toluene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Trichloroethene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Vinyl acetate	ND	20	ug/L	4.00	05/22/2001 14:57	
Vinyl chloride	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Total xylenes	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Carbon disulfide	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Isopropylbenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Bromobenzene	ND	2.0	ug/L	4.00	05/22/2001 14:57	
Bromochloromethane	ND	4.0	ug/L	4.00	05/22/2001 14:57	
Trichlorofluoromethane	ND	8.0	ug/L	4.00	05/22/2001 14:57	
MTBE	ND	20	ug/L	4.00	05/22/2001 14:57	
Surrogate(s)						
4-Bromofluorobenzene	108.6	86-115	%	1.00	05/22/2001 14:57	
1,2-Dichloroethane-d4	97.5	76-114	%	1.00	05/22/2001 14:57	
Toluene-d8	101.2	88-110	%	1.00	05/22/2001 14:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-5-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 11:40
Matrix: Water

Lab Sample ID: **2001-05-0337-005**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 21:03
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/21/2001 21:03	
Benzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Bromoform	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Bromomethane	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Chlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Chloroethane	ND	1.0	ug/L	1.00	05/21/2001 21:03	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/21/2001 21:03	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Chloroform	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Chloromethane	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/21/2001 21:03	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Dibromomethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Ethylbenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
2-Hexanone	ND	50	ug/L	1.00	05/21/2001 21:03	
Methylene chloride	ND	5.0	ug/L	1.00	05/21/2001 21:03	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/21/2001 21:03	
Naphthalene	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Styrene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/21/2001 21:03	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-5-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 11:40
Matrix: Water

Lab Sample ID: **2001-05-0337-005**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 21:03
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Trichloroethene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Vinyl acetate	ND	5.0	ug/L	1.00	05/21/2001 21:03	
Vinyl chloride	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Total xylenes	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Carbon disulfide	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Bromobenzene	ND	0.50	ug/L	1.00	05/21/2001 21:03	
Bromochloromethane	ND	1.0	ug/L	1.00	05/21/2001 21:03	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/21/2001 21:03	
MTBE	ND	5.0	ug/L	1.00	05/21/2001 21:03	
Surrogate(s)						
4-Bromofluorobenzene	104.6	86-115	%	1.00	05/21/2001 21:03	
1,2-Dichloroethane-d4	110.4	76-114	%	1.00	05/21/2001 21:03	
Toluene-d8	105.1	88-110	%	1.00	05/21/2001 21:03	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**5/17-DUP**	Lab Sample ID:	**2001-05-0337-006**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/21/2001 20:29
Sampled:	05/17/2001 11:50	QC-Batch:	2001/05/21-01.60
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/21/2001 20:29	
Benzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Bromoform	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Bromomethane	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Chlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Chloroethane	ND	1.0	ug/L	1.00	05/21/2001 20:29	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/21/2001 20:29	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Chloroform	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Chloromethane	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/21/2001 20:29	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Dibromomethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Ethylbenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
2-Hexanone	ND	50	ug/L	1.00	05/21/2001 20:29	
Methylene chloride	ND	5.0	ug/L	1.00	05/21/2001 20:29	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/21/2001 20:29	
Naphthalene	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Styrene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/21/2001 20:29	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **5/17-DUP**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 11:50
Matrix: Water

Lab Sample ID: **2001-05-0337-006**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 20:29
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Trichloroethene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Vinyl acetate	ND	5.0	ug/L	1.00	05/21/2001 20:29	
Vinyl chloride	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Total xylenes	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Carbon disulfide	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Bromobenzene	ND	0.50	ug/L	1.00	05/21/2001 20:29	
Bromochloromethane	ND	1.0	ug/L	1.00	05/21/2001 20:29	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/21/2001 20:29	
MTBE	ND	5.0	ug/L	1.00	05/21/2001 20:29	
Surrogate(s)						
4-Bromofluorobenzene	102.7	86-115	%	1.00	05/21/2001 20:29	
1,2-Dichloroethane-d4	106.2	76-114	%	1.00	05/21/2001 20:29	
Toluene-d8	102.1	88-110	%	1.00	05/21/2001 20:29	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-4-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 13:25
Matrix: Water

Lab Sample ID: **2001-05-0337-009**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:56
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/21/2001 19:56	
Benzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Bromoform	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Bromomethane	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Chlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Chloroethane	ND	1.0	ug/L	1.00	05/21/2001 19:56	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/21/2001 19:56	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Chloroform	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Chloromethane	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/21/2001 19:56	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Dibromomethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
cis-1,2-Dichloroethene	0.57	0.50	ug/L	1.00	05/21/2001 19:56	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Ethylbenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
2-Hexanone	ND	50	ug/L	1.00	05/21/2001 19:56	
Methylene chloride	ND	5.0	ug/L	1.00	05/21/2001 19:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/21/2001 19:56	
Naphthalene	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Styrene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:56	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-4-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 13:25
Matrix: Water

Lab Sample ID: **2001-05-0337-009**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:56
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Trichloroethene	0.91	0.50	ug/L	1.00	05/21/2001 19:56	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Vinyl acetate	ND	5.0	ug/L	1.00	05/21/2001 19:56	
Vinyl chloride	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Total xylenes	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Carbon disulfide	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Bromobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:56	
Bromochloromethane	ND	1.0	ug/L	1.00	05/21/2001 19:56	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/21/2001 19:56	
MTBE	ND	5.0	ug/L	1.00	05/21/2001 19:56	
Surrogate(s)						
4-Bromofluorobenzene	100.6	86-115	%	1.00	05/21/2001 19:56	
1,2-Dichloroethane-d4	115.1	76-114	%	1.00	05/21/2001 19:56	sh
Toluene-d8	104.8	88-110	%	1.00	05/21/2001 19:56	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-6-W**
Project: 000128.00 Praxair Oakland
Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 19:22
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/21/2001 19:22	
Benzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Bromoform	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Bromomethane	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Chlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Chloroethane	ND	1.0	ug/L	1.00	05/21/2001 19:22	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/21/2001 19:22	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Chloroform	4.3	0.50	ug/L	1.00	05/21/2001 19:22	
Chloromethane	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/21/2001 19:22	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Dibromomethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Ethylbenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
2-Hexanone	ND	50	ug/L	1.00	05/21/2001 19:22	
Methylene chloride	ND	5.0	ug/L	1.00	05/21/2001 19:22	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/21/2001 19:22	
Naphthalene	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Styrene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Tetrachloroethene	0.62	0.50	ug/L	1.00	05/21/2001 19:22	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-6-W**
Project: 000128.00
Praxair Oakland

Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33

Extracted: 05/21/2001 19:22
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Trichloroethene	0.73	0.50	ug/L	1.00	05/21/2001 19:22	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Vinyl acetate	ND	5.0	ug/L	1.00	05/21/2001 19:22	
Vinyl chloride	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Total xylenes	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Carbon disulfide	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Bromobenzene	ND	0.50	ug/L	1.00	05/21/2001 19:22	
Bromochloromethane	ND	1.0	ug/L	1.00	05/21/2001 19:22	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/21/2001 19:22	
MTBE	ND	5.0	ug/L	1.00	05/21/2001 19:22	
Surrogate(s)						
4-Bromofluorobenzene	97.5	86-115	%	1.00	05/21/2001 19:22	
1,2-Dichloroethane-d4	107.1	76-114	%	1.00	05/21/2001 19:22	
Toluene-d8	103.8	88-110	%	1.00	05/21/2001 19:22	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **TRIP BLANK**

Lab Sample ID: **2001-05-0337-014**

Project: 000128.00
Praxair Oakland

Received: 05/17/2001 18:33

Extracted: 05/21/2001 18:48

Sampled: 05/17/2001

QC-Batch: 2001/05/21-01.60

Matrix: Water

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/21/2001 18:48	
Benzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Bromoform	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Bromomethane	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Chlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Chloroethane	ND	1.0	ug/L	1.00	05/21/2001 18:48	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/21/2001 18:48	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Chloroform	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Chloromethane	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/21/2001 18:48	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Dibromomethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Ethylbenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
2-Hexanone	ND	50	ug/L	1.00	05/21/2001 18:48	
Methylene chloride	ND	5.0	ug/L	1.00	05/21/2001 18:48	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/21/2001 18:48	
Naphthalene	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Styrene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/21/2001 18:48	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **TRIP BLANK**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001
Matrix: Water

Lab Sample ID: **2001-05-0337-014**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 18:48
QC-Batch: 2001/05/21-01.60

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Trichloroethene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Vinyl acetate	ND	5.0	ug/L	1.00	05/21/2001 18:48	
Vinyl chloride	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Total xylenes	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Carbon disulfide	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Bromobenzene	ND	0.50	ug/L	1.00	05/21/2001 18:48	
Bromochloromethane	ND	1.0	ug/L	1.00	05/21/2001 18:48	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/21/2001 18:48	
MTBE	ND	5.0	ug/L	1.00	05/21/2001 18:48	
Surrogate(s)						
4-Bromofluorobenzene	100.9	86-115	%	1.00	05/21/2001 18:48	
1,2-Dichloroethane-d4	111.1	76-114	%	1.00	05/21/2001 18:48	
Toluene-d8	100.9	88-110	%	1.00	05/21/2001 18:48	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260B
Prep Method: 5030B

Batch QC Report

Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2001/05/21-01.60**

MB: 2001/05/21-01.60-002 | Date Extracted: 05/21/2001 14:15

Compound	Result	Rep.Limit	Units	Analyzed	Flag
MTBE	ND	5.0	ug/L	05/21/2001 14:15	
Acetone	ND	50	ug/L	05/21/2001 14:15	
Benzene	ND	1.0	ug/L	05/21/2001 14:15	
Bromodichloromethane	ND	1.0	ug/L	05/21/2001 14:15	
Bromobenzene	ND	1.0	ug/L	05/21/2001 14:15	
Bromochloromethane	ND	1.0	ug/L	05/21/2001 14:15	
Bromoform	ND	1.0	ug/L	05/21/2001 14:15	
Bromomethane	ND	5.0	ug/L	05/21/2001 14:15	
2-Butanone(MEK)	ND	50	ug/L	05/21/2001 14:15	
Carbon disulfide	ND	5.0	ug/L	05/21/2001 14:15	
Carbon tetrachloride	ND	1.0	ug/L	05/21/2001 14:15	
Chlorobenzene	ND	1.0	ug/L	05/21/2001 14:15	
Chloroethane	ND	1.0	ug/L	05/21/2001 14:15	
2-Chloroethylvinyl ether	ND	5.0	ug/L	05/21/2001 14:15	
Chloroform	ND	1.0	ug/L	05/21/2001 14:15	
Chloromethane	ND	1.0	ug/L	05/21/2001 14:15	
Dibromochloromethane	ND	1.0	ug/L	05/21/2001 14:15	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/21/2001 14:15	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/21/2001 14:15	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/21/2001 14:15	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/21/2001 14:15	
1,2-Dibromoethane	ND	1.0	ug/L	05/21/2001 14:15	
Dibromomethane	ND	1.0	ug/L	05/21/2001 14:15	
Dichlorodifluoromethane	ND	1.0	ug/L	05/21/2001 14:15	
1,1-Dichloroethane	ND	1.0	ug/L	05/21/2001 14:15	
1,2-Dichloroethane	ND	1.0	ug/L	05/21/2001 14:15	
1,1-Dichloroethene	ND	1.0	ug/L	05/21/2001 14:15	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/21/2001 14:15	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/21/2001 14:15	
1,2-Dichloropropane	ND	1.0	ug/L	05/21/2001 14:15	
cis-1,3-Dichloropropene	ND	1.0	ug/L	05/21/2001 14:15	
trans-1,3-Dichloropropene	ND	1.0	ug/L	05/21/2001 14:15	
Ethylbenzene	ND	1.0	ug/L	05/21/2001 14:15	
2-Hexanone	ND	50	ug/L	05/21/2001 14:15	
Isopropylbenzene	ND	1.0	ug/L	05/21/2001 14:15	
Methylene chloride	ND	5.0	ug/L	05/21/2001 14:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	05/21/2001 14:15	
Naphthalene	ND	1.0	ug/L	05/21/2001 14:15	
Styrene	ND	1.0	ug/L	05/21/2001 14:15	
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/21/2001 14:15	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	05/21/2001 14:15	
Tetrachloroethene	ND	1.0	ug/L	05/21/2001 14:15	
Toluene	ND	1.0	ug/L	05/21/2001 14:15	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260B
Prep Method: 5030B

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank **Water** **QC Batch # 2001/05/21-01.60**

MB: 2001/05/21-01.60-002 Date Extracted: 05/21/2001 14:15

Compound	Result	Rep.Limit	Units	Analyzed	Flag
1,1,1-Trichloroethane	ND	1.0	ug/L	05/21/2001 14:15	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/21/2001 14:15	
Trichloroethene	ND	1.0	ug/L	05/21/2001 14:15	
Trichlorofluoromethane	ND	1.0	ug/L	05/21/2001 14:15	
Trichlorotrifluoroethane	ND	5.0	ug/L	05/21/2001 14:15	
Vinyl acetate	ND	25	ug/L	05/21/2001 14:15	
Vinyl chloride	ND	1.0	ug/L	05/21/2001 14:15	
Total xylenes	ND	1.0	ug/L	05/21/2001 14:15	
Surrogate(s)					
4-Bromofluorobenzene	104.4	86-115	%	05/21/2001 14:15	
1,2-Dichloroethane-d4	107.4	76-114	%	05/21/2001 14:15	
Toluene-d8	99.6	88-110	%	05/21/2001 14:15	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2001/05/22-01.60**

MB: 2001/05/22-01.60-001 | Date Extracted: 05/22/2001 14:12

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	05/22/2001 14:12	
Benzene	ND	0.5	ug/L	05/22/2001 14:12	
Bromodichloromethane	ND	0.5	ug/L	05/22/2001 14:12	
Bromoform	ND	0.5	ug/L	05/22/2001 14:12	
Bromomethane	ND	1.0	ug/L	05/22/2001 14:12	
Carbon tetrachloride	ND	0.5	ug/L	05/22/2001 14:12	
Chlorobenzene	ND	0.5	ug/L	05/22/2001 14:12	
Chloroethane	ND	1.0	ug/L	05/22/2001 14:12	
2-Butanone(MEK)	ND	50	ug/L	05/22/2001 14:12	
2-Chloroethylvinyl ether	ND	0.5	ug/L	05/22/2001 14:12	
Chloroform	ND	0.5	ug/L	05/22/2001 14:12	
Chloromethane	ND	1.0	ug/L	05/22/2001 14:12	
Dibromochloromethane	ND	0.5	ug/L	05/22/2001 14:12	
1,2-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 14:12	
1,3-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 14:12	
1,4-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 14:12	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	05/22/2001 14:12	
1,2-Dibromoethane	ND	0.5	ug/L	05/22/2001 14:12	
Dibromomethane	ND	0.5	ug/L	05/22/2001 14:12	
Dichlorodifluoromethane	ND	0.5	ug/L	05/22/2001 14:12	
1,1-Dichloroethane	ND	0.5	ug/L	05/22/2001 14:12	
1,2-Dichloroethane	ND	0.5	ug/L	05/22/2001 14:12	
1,1-Dichloroethene	ND	0.5	ug/L	05/22/2001 14:12	
cis-1,2-Dichloroethene	ND	0.5	ug/L	05/22/2001 14:12	
trans-1,2-Dichloroethene	ND	0.5	ug/L	05/22/2001 14:12	
1,2-Dichloropropane	ND	0.5	ug/L	05/22/2001 14:12	
cis-1,3-Dichloropropene	ND	0.5	ug/L	05/22/2001 14:12	
trans-1,3-Dichloropropene	ND	0.5	ug/L	05/22/2001 14:12	
Ethylbenzene	ND	0.5	ug/L	05/22/2001 14:12	
2-Hexanone	ND	50	ug/L	05/22/2001 14:12	
Methylene chloride	ND	5.0	ug/L	05/22/2001 14:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	05/22/2001 14:12	
Naphthalene	ND	1.0	ug/L	05/22/2001 14:12	
Styrene	ND	0.5	ug/L	05/22/2001 14:12	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	05/22/2001 14:12	
Tetrachloroethene	ND	0.5	ug/L	05/22/2001 14:12	
Toluene	ND	0.5	ug/L	05/22/2001 14:12	
1,1,1-Trichloroethane	ND	0.5	ug/L	05/22/2001 14:12	
1,1,2-Trichloroethane	ND	0.5	ug/L	05/22/2001 14:12	
Trichloroethene	ND	0.5	ug/L	05/22/2001 14:12	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	05/22/2001 14:12	
Vinyl acetate	ND	5.0	ug/L	05/22/2001 14:12	
Vinyl chloride	ND	0.5	ug/L	05/22/2001 14:12	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2001/05/22-01.60**

MB: 2001/05/22-01.60-001 | Date Extracted: 05/22/2001 14:12

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	1.0	ug/L	05/22/2001 14:12	
Trichlorotrifluoroethane	ND	0.5	ug/L	05/22/2001 14:12	
Carbon disulfide	ND	1.0	ug/L	05/22/2001 14:12	
Isopropylbenzene	ND	0.5	ug/L	05/22/2001 14:12	
Bromobenzene	ND	0.5	ug/L	05/22/2001 14:12	
Bromochloromethane	ND	1.0	ug/L	05/22/2001 14:12	
Trichlorofluoromethane	ND	2.0	ug/L	05/22/2001 14:12	
MTBE	ND	5.0	ug/L	05/22/2001 14:12	
Surrogate(s)					
4-Bromofluorobenzene	105.0	86-115	%	05/22/2001 14:12	
1,2-Dichloroethane-d4	106.0	76-114	%	05/22/2001 14:12	
Toluene-d8	102.0	88-110	%	05/22/2001 14:12	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8260B

Prep Method: 5030B

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/21-01.60**

LCS: 2001/05/21-01.60-003 Extracted: 05/21/2001 13:07 Analyzed 05/21/2001 13:07

LCSD: 2001/05/21-01.60-004 Extracted: 05/21/2001 13:41 Analyzed 05/21/2001 13:41

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	44.4	46.0	50.0	50.0	88.8	92.0	3.5	69-129	20		
Chlorobenzene	44.5	47.9	50.0	50.0	89.0	95.8	7.4	61-121	20		
1,1-Dichloroethene	44.8	45.7	50.0	50.0	89.6	91.4	2.0	65-125	20		
Toluene	41.6	43.2	50.0	50.0	83.2	86.4	3.8	70-130	20		
Trichloroethene	42.4	43.9	50.0	50.0	84.8	87.8	3.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	542	524	500	500	108.4	104.8		86-115			
1,2-Dichloroethane-d4	464	515	500	500	92.8	103.0		76-114			
Toluene-d8	508	496	500	500	101.6	99.2		88-110			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/22-01.60**

LCS: 2001/05/22-01.60-002 Extracted: 05/22/2001 13:04 Analyzed 05/22/2001 13:04
LCSD: 2001/05/22-01.60-003 Extracted: 05/22/2001 13:38 Analyzed 05/22/2001 13:38

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	47.6	45.7	50.0	50.0	95.2	91.4	4.1	69-129	20		
Chlorobenzene	46.7	45.2	50.0	50.0	93.4	90.4	3.3	61-121	20		
1,1-Dichloroethene	45.9	45.1	50.0	50.0	91.8	90.2	1.8	65-125	20		
Toluene	44.5	42.6	50.0	50.0	89.0	85.2	4.4	70-130	20		
Trichloroethene	45.3	41.6	50.0	50.0	90.6	83.2	8.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	543	523	500	500	108.6	104.6		86-115			
1,2-Dichloroethane-d4	472	511	500	500	94.4	102.2		76-114			
Toluene-d8	508	502	500	500	101.6	100.4		88-110			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Legend & Notes

Volatile Organic Compounds by 8260A

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analyte Flags

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco

Attn: Meredith Durant

Project #: 000128.00

622 Folsom Street
San Francisco, CA 94107-1366

Phone: (415) 243-2534 Fax: (415) 896-0999

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-6-W	Water	05/17/2001 14:20	10
KB-1-S-2/2.5	Soil	05/17/2001 15:50	13

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-6-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:46
QC-Batch: 2001/05/18-01.11

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Bis(2-chloroethyl)ether	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2-Chlorophenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
1,3-Dichlorobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
1,4-Dichlorobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Benzyl alcohol	ND	6.8	ug/L	1.37	05/21/2001 23:38	
1,2-Dichlorobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2-Methylphenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Bis(2-chloroisopropyl) ether	ND	2.7	ug/L	1.37	05/21/2001 23:38	
4-Methylphenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
N-Nitroso-di-n-propylamine	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Hexachloroethane	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Nitrobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Isophorone	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2-Nitrophenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2,4-Dimethylphenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Bis(2-chloroethoxy) methane	ND	6.8	ug/L	1.37	05/21/2001 23:38	
2,4-Dichlorophenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
1,2,4-Trichlorobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Naphthalene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
4-Chloroaniline	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Hexachlorobutadiene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
4-Chloro-3-methylphenol	ND	6.8	ug/L	1.37	05/21/2001 23:38	
2-Methylnaphthalene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Hexachlorocyclopentadiene	ND	6.8	ug/L	1.37	05/21/2001 23:38	
2,4,6-Trichlorophenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2,4,5-Trichlorophenol	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2-Chloronaphthalene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2-Nitroaniline	ND	14	ug/L	1.37	05/21/2001 23:38	
Dimethyl phthalate	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Acenaphthylene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
3-Nitroaniline	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Acenaphthene	ND	2.7	ug/L	1.37	05/21/2001 23:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-6-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:46
QC-Batch: 2001/05/18-01.11

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrophenol	ND	14	ug/L	1.37	05/21/2001 23:38	
4-Nitrophenol	ND	14	ug/L	1.37	05/21/2001 23:38	
Dibenzofuran	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2,4-Dinitrotoluene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
2,6-Dinitrotoluene	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Diethyl phthalate	ND	6.8	ug/L	1.37	05/21/2001 23:38	
4-Chlorophenyl phenyl ether	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Fluorene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
4-Nitroaniline	ND	14	ug/L	1.37	05/21/2001 23:38	
2-Methyl-4,6-dinitrophenol	ND	14	ug/L	1.37	05/21/2001 23:38	
N-Nitrosodiphenylamine	ND	2.7	ug/L	1.37	05/21/2001 23:38	
4-Bromophenyl phenyl ether	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Hexachlorobenzene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Pentachlorophenol	ND	14	ug/L	1.37	05/21/2001 23:38	
Phenanthrene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Anthracene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Di-n-butyl phthalate	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Fluoranthene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Pyrene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Butyl benzyl phthalate	ND	6.8	ug/L	1.37	05/21/2001 23:38	
3,3-Dichlorobenzidine	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Benzo(a)anthracene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
bis(2-Ethylhexyl) phthalate	ND	14	ug/L	1.37	05/21/2001 23:38	
Chrysene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Di-n-octyl phthalate	ND	6.8	ug/L	1.37	05/21/2001 23:38	
Benzo(b)fluoranthene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Benzo(k)fluoranthene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Benzo(a)pyrene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Indeno(1,2,3-c,d)pyrene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Dibenzo(a,h)anthracene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Benzo(g,h,i)perylene	ND	2.7	ug/L	1.37	05/21/2001 23:38	
Benzoic acid	ND	14	ug/L	1.37	05/21/2001 23:38	
Surrogate(s)						

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-6-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:46
QC-Batch: 2001/05/18-01.11

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrobenzene-d5	20.3	35-114	%	1.37	05/21/2001 23:38	sl
2-Fluorobiphenyl	18.8	43-116	%	1.37	05/21/2001 23:38	sl
p-Terphenyl-d14	19.4	33-141	%	1.37	05/21/2001 23:38	sl
2-Fluorophenol	15.9	25-100	%	1.37	05/21/2001 23:38	sl
Phenol-d6	13.6	10-110	%	1.37	05/21/2001 23:38	
2,4,6-Tribromophenol	19.1	10-123	%	1.37	05/21/2001 23:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-1-S-2/2.5**	Lab Sample ID:	**2001-05-0337-013**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 08:36
Sampled:	05/17/2001 15:50	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
4-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Hexachloroethane	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Nitrobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Isophorone	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Naphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Acenaphthylene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Acenaphthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-1-S-2/2.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 15:50
Matrix: Soil

Lab Sample ID: **2001-05-0337-013**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Fluorene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
Phenanthrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
Chrysene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:23	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	05/23/2001 01:23	
Benzoic acid	ND	0.33	mg/Kg	1.00	05/23/2001 01:23	
Surrogate(s)						
Nitrobenzene-d5	71.3	23-120	%	1.00	05/23/2001 01:23	
2-Fluorobiphenyl	70.1	30-115	%	1.00	05/23/2001 01:23	
p-Terphenyl-d14	96.6	18-137	%	1.00	05/23/2001 01:23	
2-Fluorophenol	65.7	25-121	%	1.00	05/23/2001 01:23	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-1-S-2/2.5**	Lab Sample ID:	**2001-05-0337-013**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 08:36
Sampled:	05/17/2001 15:50	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	72.1	24-113	%	1.00	05/23/2001 01:23	
2,4,6-Tribromophenol	86.2	19-122	%	1.00	05/23/2001 01:23	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8270C

Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.11**

MB: 2001/05/22-01.11-020

Date Extracted: 05/22/2001 08:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Chlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzyl alcohol	ND	0.17	mg/Kg	05/22/2001 22:04	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Methylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Methylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachloroethane	ND	0.067	mg/Kg	05/22/2001 22:04	
Nitrobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Isophorone	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Nitrophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dimethylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	05/22/2001 22:04	
2,4-Dichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Naphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Chloroaniline	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachlorobutadiene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	05/22/2001 22:04	
2-Methylnaphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	05/22/2001 22:04	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Chloronaphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Nitroaniline	ND	0.33	mg/Kg	05/22/2001 22:04	
Dimethyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Acenaphthylene	ND	0.067	mg/Kg	05/22/2001 22:04	
3-Nitroaniline	ND	0.067	mg/Kg	05/22/2001 22:04	
Acenaphthene	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dinitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
4-Nitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
Dibenzofuran	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	05/22/2001 22:04	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	05/22/2001 22:04	
Diethyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	05/22/2001 22:04	
Fluorene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Nitroaniline	ND	0.33	mg/Kg	05/22/2001 22:04	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Method Blank **Soil** **QC Batch # 2001/05/22-01.11**

MB: 2001/05/22-01.11-020 Date Extracted: 05/22/2001 08:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	05/22/2001 22:04	
Hexachlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Pentachlorophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
Phenanthrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
Di-n-butyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Butyl benzyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	05/22/2001 22:04	
Benzo(a)anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	05/22/2001 22:04	
Chrysene	ND	0.067	mg/Kg	05/22/2001 22:04	
Di-n-octyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(a)pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzoic acid	0.408	0.33	mg/Kg	05/22/2001 22:04	b
Surrogate(s)					
Nitrobenzene-d5	69.8	23-120	%	05/22/2001 22:04	
2-Fluorobiphenyl	71.9	30-115	%	05/22/2001 22:04	
p-Terphenyl-d14	99.1	18-137	%	05/22/2001 22:04	
2-Fluorophenol	62.0	25-121	%	05/22/2001 22:04	
Phenol-d6	68.2	24-113	%	05/22/2001 22:04	
2,4,6-Tribromophenol	74.2	19-122	%	05/22/2001 22:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Method Blank | **Water** | **QC Batch # 2001/05/18-01.11**

MB: 2001/05/18-01.11-010 | Date Extracted: 05/18/2001 09:46

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	2.0	ug/L	05/21/2001 16:56	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	05/21/2001 16:56	
2-Chlorophenol	ND	2.0	ug/L	05/21/2001 16:56	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/21/2001 16:56	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/21/2001 16:56	
Benzyl alcohol	ND	5.0	ug/L	05/21/2001 16:56	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/21/2001 16:56	
2-Methylphenol	ND	2.0	ug/L	05/21/2001 16:56	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	05/21/2001 16:56	
4-Methylphenol	ND	2.0	ug/L	05/21/2001 16:56	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	05/21/2001 16:56	
Hexachloroethane	ND	2.0	ug/L	05/21/2001 16:56	
Nitrobenzene	ND	2.0	ug/L	05/21/2001 16:56	
Isophorone	ND	2.0	ug/L	05/21/2001 16:56	
2-Nitrophenol	ND	2.0	ug/L	05/21/2001 16:56	
2,4-Dimethylphenol	ND	2.0	ug/L	05/21/2001 16:56	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	05/21/2001 16:56	
2,4-Dichlorophenol	ND	2.0	ug/L	05/21/2001 16:56	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/21/2001 16:56	
Naphthalene	ND	2.0	ug/L	05/21/2001 16:56	
4-Chloroaniline	ND	2.0	ug/L	05/21/2001 16:56	
Hexachlorobutadiene	ND	2.0	ug/L	05/21/2001 16:56	
4-Chloro-3-methylphenol	ND	5.0	ug/L	05/21/2001 16:56	
2-Methylnaphthalene	ND	2.0	ug/L	05/21/2001 16:56	
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/21/2001 16:56	
2,4,6-Trichlorophenol	ND	2.0	ug/L	05/21/2001 16:56	
2,4,5-Trichlorophenol	ND	2.0	ug/L	05/21/2001 16:56	
2-Chloronaphthalene	ND	2.0	ug/L	05/21/2001 16:56	
2-Nitroaniline	ND	10	ug/L	05/21/2001 16:56	
Dimethyl phthalate	ND	5.0	ug/L	05/21/2001 16:56	
Acenaphthylene	ND	2.0	ug/L	05/21/2001 16:56	
3-Nitroaniline	ND	2.0	ug/L	05/21/2001 16:56	
Acenaphthene	ND	2.0	ug/L	05/21/2001 16:56	
2,4-Dinitrophenol	ND	10	ug/L	05/21/2001 16:56	
4-Nitrophenol	ND	10	ug/L	05/21/2001 16:56	
Dibenzofuran	ND	2.0	ug/L	05/21/2001 16:56	
2,4-Dinitrotoluene	ND	2.0	ug/L	05/21/2001 16:56	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/21/2001 16:56	
Diethyl phthalate	ND	5.0	ug/L	05/21/2001 16:56	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/21/2001 16:56	
Fluorene	ND	2.0	ug/L	05/21/2001 16:56	
4-Nitroaniline	ND	10	ug/L	05/21/2001 16:56	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	05/21/2001 16:56	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report
Semi-volatile analysis by GC/MS - EPA8270C

Method Blank **Water** **QC Batch # 2001/05/18-01.11**

MB: 2001/05/18-01.11-010 Date Extracted: 05/18/2001 09:46

Compound	Result	Rep.Limit	Units	Analyzed	Flag
N-Nitrosodiphenylamine	ND	2.0	ug/L	05/21/2001 16:56	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/21/2001 16:56	
Hexachlorobenzene	ND	2.0	ug/L	05/21/2001 16:56	
Pentachlorophenol	ND	10	ug/L	05/21/2001 16:56	
Phenanthrene	ND	2.0	ug/L	05/21/2001 16:56	
Anthracene	ND	2.0	ug/L	05/21/2001 16:56	
Di-n-butyl phthalate	ND	5.0	ug/L	05/21/2001 16:56	
Fluoranthene	ND	2.0	ug/L	05/21/2001 16:56	
Pyrene	ND	2.0	ug/L	05/21/2001 16:56	
Butyl benzyl phthalate	ND	5.0	ug/L	05/21/2001 16:56	
3,3-Dichlorobenzidine	ND	5.0	ug/L	05/21/2001 16:56	
Benzo(a)anthracene	ND	2.0	ug/L	05/21/2001 16:56	
bis(2-Ethylhexyl) phthalate	ND	10.0	ug/L	05/21/2001 16:56	
Chrysene	ND	2.0	ug/L	05/21/2001 16:56	
Di-n-octyl phthalate	ND	5.0	ug/L	05/21/2001 16:56	
Benzo(b)fluoranthene	ND	2.0	ug/L	05/21/2001 16:56	
Benzo(k)fluoranthene	ND	2.0	ug/L	05/21/2001 16:56	
Benzo(a)pyrene	ND	2.0	ug/L	05/21/2001 16:56	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	05/21/2001 16:56	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	05/21/2001 16:56	
Benzo(g,h,i)perylene	ND	2.0	ug/L	05/21/2001 16:56	
Benzoic acid	ND	10	ug/L	05/21/2001 16:56	
Surrogate(s)					
Nitrobenzene-d5	82.8	35-114	%	05/21/2001 16:56	
2-Fluorobiphenyl	79.2	43-116	%	05/21/2001 16:56	
p-Terphenyl-d14	78.0	33-141	%	05/21/2001 16:56	
2-Fluorophenol	42.4	25-100	%	05/21/2001 16:56	
Phenol-d6	31.2	10-110	%	05/21/2001 16:56	
2,4,6-Tribromophenol	92.8	10-123	%	05/21/2001 16:56	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-01.11**

LCS: 2001/05/18-01.11-008 Extracted: 05/18/2001 09:46 Analyzed 05/21/2001 17:30
LCSD: 2001/05/18-01.11-009 Extracted: 05/18/2001 09:46 Analyzed 05/21/2001 18:36

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	14.9	10.1	60.0	60.0	24.8	16.8	38.5	12-89	35		
2-Chlorophenol	35.2	24.2	60.0	60.0	58.7	40.3	37.2	23-134	25		
1,4-Dichlorobenzene	15.8	11.8	30.0	30.0	52.7	39.3	29.1	36-97	30		
N-Nitroso-di-n-propylamin	20.8	14.5	30.0	30.0	69.3	48.3	35.7	10-130	34		
1,2,4-Trichlorobenzene	17.2	12.9	30.0	30.0	57.3	43.0	28.5	44-142	35		
4-Chloro-3-methylphenol	46.1	33.0	60.0	60.0	76.8	55.0	33.1	22-147	31		
Acenaphthene	20.5	14.7	30.0	30.0	68.3	49.0	32.9	56-118	30		
4-Nitrophenol	19.8	18.3	60.0	60.0	33.0	30.5	7.9	1-51	35		
2,4-Dinitrotoluene	24.1	20.1	30.0	30.0	80.3	67.0	18.1	39-139	35		
Pentachlorophenol	36.9	35.6	60.0	60.0	61.5	59.3	3.6	45-125	35		
Pyrene	18.9	18.6	30.0	30.0	63.0	62.0	1.6	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	17.5	12.5	25	25	70.0	50.0		35-114			
2-Fluorobiphenyl	17.5	11.8	25	25	70.0	47.2		43-116			
p-Terphenyl-d14	18.5	18.8	25	25	74.0	75.2		33-141			
2-Fluorophenol	17.8	11.9	50	50	35.6	23.8		25-100			
Phenol-d6	13.0	8.85	50	50	26.0	17.7		10-110			
2,4,6-Tribromophenol	45.2	37.3	50	50	90.4	74.6		10-123			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-01.11**

LCS: 2001/05/22-01.11-021 Extracted: 05/22/2001 08:36 Analyzed 05/22/2001 22:37
LCSD: 2001/05/22-01.11-022 Extracted: 05/22/2001 08:36 Analyzed 05/22/2001 23:10

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	1.23	1.10	2.00	2.00	61.5	55.0	11.2	20-90	35		
2-Chlorophenol	1.24	1.09	2.00	2.00	62.0	54.5	12.9	27-123	35		
1,4-Dichlorobenzene	0.569	0.493	1.000	1.000	56.9	49.3	14.3	28-104	30		
N-Nitroso-di-n-propylamin	0.758	0.693	1.000	1.000	75.8	69.3	9.0	25-114	39		
1,2,4-Trichlorobenzene	0.613	0.531	1.000	1.000	61.3	53.1	14.3	38-107	35		
4-Chloro-3-methylphenol	1.43	1.30	2.00	2.00	71.5	65.0	9.5	26-103	33		
Acenaphthene	0.659	0.585	1.000	1.000	65.9	58.5	11.9	49-102	30		
4-Nitrophenol	1.90	1.91	2.00	2.00	95.0	95.5	0.5	17-109	35		
2,4-Dinitrotoluene	0.650	0.622	1.000	1.000	65.0	62.2	4.4	39-139	38		
Pentachlorophenol	1.84	1.77	2.00	2.00	92.0	88.5	3.9	11-114	35		
Pyrene	0.783	0.721	1.000	1.000	78.3	72.1	8.2	25-117	35		
Surrogate(s)											
Nitrobenzene-d5	13.2	11.7	25	25	52.8	46.8		23-120			
2-Fluorobiphenyl	16.2	14.1	25	25	64.8	56.4		30-115			
p-Terphenyl-d14	24.2	23.0	25	25	96.8	92.0		18-137			
2-Fluorophenol	24.0	20.3	50	50	48.0	40.6		25-121			
Phenol-d6	32.0	27.8	50	50	64.0	55.6		24-113			
2,4,6-Tribromophenol	42.4	38.2	50	50	84.8	76.4		19-122			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Legend & Notes

Semi-volatile analysis by GC/MS - EPA8270C

QC Sample Notes

Laboratory Control Spike Duplicate (Lab# 2001/05/18-01.11-009)

rpo = %RPD outside of control limits.
or = %R outside of control limits.

QC Compound Flags

b

Analyte was found in the method blank at a concentration greater than the reporting limit.

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analyte Flags

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0337

Diesel

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-18-W	Water	05/17/2001 08:45	1
KB-15.5-4.5	Soil	05/17/2001 09:25	2
KB-15-WA	Water	05/17/2001 12:00	4
KB-5-W	Water	05/17/2001 11:40	5
5/17-DUP	Water	05/17/2001 11:50	6
KB-4-5-3/3.5	Soil	05/17/2001 12:45	7
KB-4-5-1.0/1.5	Soil	05/17/2001 12:45	8
KB-4-W	Water	05/17/2001 13:25	9
KB-6-W	Water	05/17/2001 14:20	10
KB-1-S-0.2/0.7	Soil	05/17/2001 14:55	11
KB-1-S-3/3.5	Soil	05/17/2001 14:55	12
KB-1-S-2/2.5	Soil	05/17/2001 15:50	13

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-18-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 08:45
Matrix: Water

Lab Sample ID: **2001-05-0337-001**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:45
QC-Batch: 2001/05/18-04.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	150	81	ug/L	1.61	05/19/2001 18:39	NDP
Surrogate(s)						
o-Terphenyl	98.7	60-130	%	1.61	05/19/2001 18:39	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-15.5-4.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0337-002**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 06:15
QC-Batch: 2001/05/21-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.3	1.0	mg/Kg	1.00	05/22/2001 02:21	NDP
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	05/22/2001 02:21	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-15-WA**	Lab Sample ID:	**2001-05-0337-004**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/18/2001 09:45
Sampled:	05/17/2001 12:00	QC-Batch:	2001/05/18-04.10
Matrix:	Water		

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	770	85	ug/L	1.71	05/19/2001 19:18	NDP
Surrogate(s)						
o-Terphenyl	94.3	60-130	%	1.71	05/19/2001 19:18	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-5-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 11:40
Matrix: Water

Lab Sample ID: **2001-05-0337-005**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:45
QC-Batch: 2001/05/18-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	56	50	ug/L	1.00	05/19/2001 19:58	NDP
Surrogate(s)						
o-Terphenyl	95.0	60-130	%	1.00	05/19/2001 19:58	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**5/17-DUP**	Lab Sample ID:	**2001-05-0337-006**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/18/2001 09:45
Sampled:	05/17/2001 11:50	QC-Batch:	2001/05/18-04.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	54	50	ug/L	1.00	05/19/2001 09:39	NDP
Surrogate(s)						
o-Terphenyl	91.4	60-130	%	1.00	05/19/2001 09:39	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-4-5-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 12:45
Matrix: Soil

Lab Sample ID: **2001-05-0337-007**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 06:15
QC-Batch: 2001/05/21-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/22/2001 03:04	
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	05/22/2001 03:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-4-5-1.0/1.5**	Lab Sample ID:	**2001-05-0337-008**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 06:36
Sampled:	05/17/2001 12:45	QC-Batch:	2001/05/22-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	25	2.0	mg/Kg	2.00	05/24/2001 08:22	LDR
Surrogate(s)						
o-Terphenyl	105.2	60-130	%	2.00	05/24/2001 08:22	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-4-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 13:25
Matrix: Water

Lab Sample ID: **2001-05-0337-009**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:45
QC-Batch: 2001/05/18-04.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	58	58	ug/L	1.16	05/21/2001 20:44	NDP
Surrogate(s)						
o-Terphenyl	87.3	60-130	%	1.16	05/21/2001 20:44	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-6-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:20
Matrix: Water

Lab Sample ID: **2001-05-0337-010**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 09:45
QC-Batch: 2001/05/18-04.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	140	63	ug/L	1.25	05/21/2001 21:24	NDP
Surrogate(s)						
o-Terphenyl	92.2	60-130	%	1.25	05/21/2001 21:24	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-1-S-0.2/0.7**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-011**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 06:36
QC-Batch: 2001/05/22-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	05/24/2001 07:07	NDP
Surrogate(s)						
o-Terphenyl	142.8	60-130	%	1.00	05/24/2001 07:07	sh

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-1-S-3/3.5**	Lab Sample ID:	**2001-05-0337-012**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 06:36
Sampled:	05/17/2001 14:55	QC-Batch:	2001/05/22-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/23/2001 15:10	
Surrogate(s)						
o-Terphenyl	92.4	60-130	%	1.00	05/23/2001 15:10	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-1-S-2/2.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 15:50
Matrix: Soil

Lab Sample ID: **2001-05-0337-013**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 06:36
QC-Batch: 2001/05/22-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3.6	1.0	mg/Kg	1.00	05/24/2001 07:45	ndp
Surrogate(s)						
o-Terphenyl	88.5	60-130	%	1.00	05/24/2001 07:45	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2001/05/18-04.10**

MB: 2001/05/18-04.10-001

Date Extracted: 05/18/2001 09:45

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	05/19/2001 12:01	
Surrogate(s)					
o-Terphenyl	98.0	60-130	%	05/19/2001 12:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report
Diesel

Method Blank | **Soil** | **QC Batch # 2001/05/21-02.10**

MB: 2001/05/21-02.10-001

Date Extracted: 05/21/2001 06:15

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	05/21/2001 11:32	
Surrogate(s)					
o-Terphenyl	86.5	60-130	%	05/21/2001 11:32	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report
Diesel

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.10**

MB: 2001/05/22-01.10-001 | Date Extracted: 05/22/2001 06:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	05/23/2001 06:02	
Surrogate(s)					
o-Terphenyl	76.5	60-130	%	05/23/2001 06:02	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-04.10**

LCS: 2001/05/18-04.10-002 Extracted: 05/18/2001 09:45 Analyzed 05/19/2001 12:41
LCSD: 2001/05/18-04.10-003 Extracted: 05/18/2001 09:45 Analyzed 05/19/2001 13:20

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1210	1200	1250	1250	96.8	96.0	0.8	60-130	25		
Surrogate(s)											
o-Terphenyl	20.8	21.9	20.0	20.0	104.0	109.5		60-130			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8015M

Prep Method: 3550/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/21-02.10**

LCS: 2001/05/21-02.10-002 Extracted: 05/21/2001 06:15 Analyzed 05/21/2001 10:05

LCSD: 2001/05/21-02.10-003 Extracted: 05/21/2001 06:15 Analyzed 05/21/2001 10:48

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	34.7	36.3	41.7	41.7	83.2	87.1	4.6	60-130	25		
Surrogate(s)											
o-Terphenyl	21.6	22.2	20.0	20.0	108.0	111.0		60-130			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-01.10**

LCS: 2001/05/22-01.10-002 Extracted: 05/22/2001 06:36 Analyzed 05/23/2001 04:36
LCSD: 2001/05/22-01.10-003 Extracted: 05/22/2001 06:36 Analyzed 05/23/2001 05:19

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	32.1	31.8	41.7	41.7	77.0	76.3	0.9	60-130	25		
Surrogate(s)											
o-Terphenyl	18.4	18.2	20.0	20.0	92.0	91.0		60-130			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Legend & Notes

Diesel

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analyte Flags

LDR

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

NDP

Hydrocarbon reported does not match the pattern of our Diesel standard

sh

Surrogate recovery was higher than QC limit due to matrix interference.

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0337

Gas/BTEX

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-6-W	Water	05/17/2001 14:20	10

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**KB-6-W**	Lab Sample ID:	**2001-05-0337-010**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/18/2001 17:48
Sampled:	05/17/2001 14:20	QC-Batch:	2001/05/18-01.03
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/18/2001 17:48	
Benzene	ND	0.50	ug/L	1.00	05/18/2001 17:48	
Toluene	ND	0.50	ug/L	1.00	05/18/2001 17:48	
Ethyl benzene	ND	0.50	ug/L	1.00	05/18/2001 17:48	
Xylene(s)	ND	0.50	ug/L	1.00	05/18/2001 17:48	
Surrogate(s)						
4-Bromofluorobenzene	120.5	50-150	%	1.00	05/18/2001 17:48	
4-Bromofluorobenzene-FID	107.8	50-150	%	1.00	05/18/2001 17:48	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/05/18-01.03**

MB: 2001/05/18-01.03-003

Date Extracted: 05/18/2001 08:22

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	05/18/2001 08:22	
Benzene	ND	0.5	ug/L	05/18/2001 08:22	
Toluene	ND	0.5	ug/L	05/18/2001 08:22	
Ethyl benzene	ND	0.5	ug/L	05/18/2001 08:22	
Xylene(s)	ND	0.5	ug/L	05/18/2001 08:22	
Surrogate(s)					
Trifluorotoluene	105.2	58-124	%	05/18/2001 08:22	
4-Bromofluorobenzene-FID	90.0	50-150	%	05/18/2001 08:22	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-01.03**

LCS: 2001/05/18-01.03-004 Extracted: 05/18/2001 08:53 Analyzed 05/18/2001 08:53

LCSD: 2001/05/18-01.03-005 Extracted: 05/18/2001 09:25 Analyzed 05/18/2001 09:25

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	98.4	89.4	100.0	100.0	98.4	89.4	9.6	77-123	20		
Toluene	96.7	89.0	100.0	100.0	96.7	89.0	8.3	78-122	20		
Ethyl benzene	96.5	89.3	100.0	100.0	96.5	89.3	7.8	70-130	20		
Xylene(s)	287	270	300	300	95.7	90.0	6.1	75-125	20		
Surrogate(s)											
Trifluorotoluene	509	457	500	500	101.8	91.4		58-124			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-01.03**

LCS: 2001/05/18-01.03-006 Extracted: 05/18/2001 09:56 Analyzed 05/18/2001 09:56

LCSD: 2001/05/18-01.03-007 Extracted: 05/18/2001 10:27 Analyzed 05/18/2001 10:27

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	491	461	500	500	98.2	92.2	6.3	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	511	492	500	500	102.2	98.4		50-150			

Metals

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00 Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-18-W	Water	05/17/2001 08:45	1
KB-1-S-0.2/0.7	Soil	05/17/2001 14:55	11
KB-1-S-3/3.5	Soil	05/17/2001 14:55	12
KB-1-S-2/2.5	Soil	05/17/2001 15:50	13

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-18-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 08:45
Matrix: Water

Lab Sample ID: **2001-05-0337-001**
Received: 05/17/2001 18:33
Extracted: 05/18/2001 11:14
QC-Batch: 2001/05/18-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.083	0.0020	mg/L	1.00	05/18/2001 16:28	
Chromium	2.2	0.0050	mg/L	1.00	05/18/2001 16:28	
Lead	17	0.0050	mg/L	1.00	05/18/2001 16:28	
Nickel	2.4	0.0050	mg/L	1.00	05/18/2001 16:28	
Zinc	4.3	0.010	mg/L	1.00	05/18/2001 16:28	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-1-S-0.2/0.7**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-011**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 08:17
QC-Batch: 2001/05/22-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	1.1	0.50	mg/Kg	1.00	05/22/2001 16:01	
Chromium	26	1.0	mg/Kg	1.00	05/22/2001 16:01	
Lead	20	1.0	mg/Kg	1.00	05/22/2001 16:01	
Nickel	31	1.0	mg/Kg	1.00	05/22/2001 16:01	
Zinc	53	1.0	mg/Kg	1.00	05/22/2001 16:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-1-S-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-012**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 08:17
QC-Batch: 2001/05/22-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	05/22/2001 16:05	
Chromium	24	1.0	mg/Kg	1.00	05/22/2001 16:05	
Lead	4.0	1.0	mg/Kg	1.00	05/22/2001 16:05	
Nickel	25	1.0	mg/Kg	1.00	05/22/2001 16:05	
Zinc	13	1.0	mg/Kg	1.00	05/22/2001 16:05	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-1-S-2/2.5**	Lab Sample ID:	**2001-05-0337-013**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 08:17
Sampled:	05/17/2001 15:50	QC-Batch:	2001/05/22-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.75	0.50	mg/Kg	1.00	05/22/2001 16:08	
Chromium	31	1.0	mg/Kg	1.00	05/22/2001 16:08	
Lead	13	1.0	mg/Kg	1.00	05/22/2001 16:08	
Nickel	40	1.0	mg/Kg	1.00	05/22/2001 16:08	
Zinc	33	1.0	mg/Kg	1.00	05/22/2001 16:08	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A

Batch QC Report
Metals

Method Blank | **Water** | **QC Batch # 2001/05/18-04.15**

MB: 2001/05/18-04.15-059 | Date Extracted: 05/18/2001 11:14

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	05/18/2001 14:56	
Chromium	ND	0.0050	mg/L	05/18/2001 14:56	
Lead	ND	0.0050	mg/L	05/18/2001 14:56	
Nickel	ND	0.0050	mg/L	05/18/2001 14:56	
Zinc	ND	0.010	mg/L	05/18/2001 14:56	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/05/22-05.15**

MB: 2001/05/22-05.15-065

Date Extracted: 05/22/2001 08:17

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	05/22/2001 14:06	
Chromium	ND	1.0	mg/Kg	05/22/2001 14:06	
Lead	ND	1.0	mg/Kg	05/22/2001 14:06	
Nickel	ND	1.0	mg/Kg	05/22/2001 14:06	
Zinc	ND	1.0	mg/Kg	05/22/2001 14:06	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 6010B
Prep Method: 3010A

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-04.15**

LCS: 2001/05/18-04.15-060 Extracted: 05/18/2001 11:14 Analyzed 05/18/2001 15:01
LCSD: 2001/05/18-04.15-061 Extracted: 05/18/2001 11:14 Analyzed 05/18/2001 15:05

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	0.456	0.501	0.500	0.500	91.2	100.2	9.4	80-120	20		
Chromium	0.466	0.512	0.500	0.500	93.2	102.4	9.4	80-120	20		
Lead	0.452	0.497	0.500	0.500	90.4	99.4	9.5	80-120	20		
Nickel	0.468	0.514	0.500	0.500	93.6	102.8	9.4	80-120	20		
Zinc	0.435	0.484	0.500	0.500	87.0	96.8	10.7	80-120	20		

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-05.15**

LCS: 2001/05/22-05.15-066 Extracted: 05/22/2001 08:17 Analyzed 05/22/2001 14:11

LCSD: 2001/05/22-05.15-067 Extracted: 05/22/2001 08:17 Analyzed 05/22/2001 14:14

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	91.1	90.2	100.0	100.0	91.1	90.2	1.0	80-120	20		
Chromium	92.5	92.0	100.0	100.0	92.5	92.0	0.5	80-120	20		
Lead	92.1	90.6	100.0	100.0	92.1	90.6	1.6	80-120	20		
Nickel	91.7	91.1	100.0	100.0	91.7	91.1	0.7	80-120	20		
Zinc	91.5	90.3	100.0	100.0	91.5	90.3	1.3	80-120	20		

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0337

PCBs

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-4-5-3/3.5	Soil	05/17/2001 12:45	7
KB-4-W	Water	05/17/2001 13:25	9

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3510/8082
3550/8082

PCBs

Sample ID: **KB-4-5-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 12:45
Matrix: Soil

Lab Sample ID: **2001-05-0337-007**
Received: 05/17/2001 18:33
Extracted: 05/23/2001 07:17
QC-Batch: 2001/05/23-01.14

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1221	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1232	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1242	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1248	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1254	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Aroclor 1260	ND	0.050	mg/Kg	1.00	05/23/2001 18:55	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	86.5	50-125	%	1.00	05/23/2001 18:55	
Decachlorobiphenyl (PCB/8082)	88.8	46-142	%	1.00	05/23/2001 18:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3510/8082
3550/8082

PCBs

Sample ID: **KB-4-W**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 13:25
Matrix: Water

Lab Sample ID: **2001-05-0337-009**
Received: 05/17/2001 18:33
Extracted: 05/21/2001 13:48
QC-Batch: 2001/05/21-02.14

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1221	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1232	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1242	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1248	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1254	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Aroclor 1260	ND	0.50	ug/L	1.00	05/22/2001 23:40	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	75.1	62-123	%	1.00	05/22/2001 23:40	
Decachlorobiphenyl (PCB/8082)	39.4	56-136	%	1.00	05/22/2001 23:40	s

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3510/8082

Batch QC Report
PCBs

Method Blank | **Water** | **QC Batch # 2001/05/21-02.14**

MB: 2001/05/21-02.14-001 | Date Extracted: 05/21/2001 13:48

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1221	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1232	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1242	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1248	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1254	ND	0.5	ug/L	05/22/2001 10:04	
Aroclor 1260	ND	0.5	ug/L	05/22/2001 10:04	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	64.4	62-123	%	05/22/2001 10:04	
Decachlorobiphenyl (PCB/8082)	70.0	56-136	%	05/22/2001 10:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report
PCBs

Method Blank | **Soil** | **QC Batch # 2001/05/23-01.14**

MB: 2001/05/23-01.14-001 | Date Extracted: 05/23/2001 07:17

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1221	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1232	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1242	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1248	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1254	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1260	ND	0.05	mg/Kg	05/23/2001 16:44	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	87.6	50-125	%	05/23/2001 16:44	
Decachlorobiphenyl (PCB/8082)	91.4	46-142	%	05/23/2001 16:44	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8082

Prep Method: 3510/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/21-02.14**

LCS: 2001/05/21-02.14-002 Extracted: 05/21/2001 13:48 Analyzed 05/22/2001 12:59

LCSD: 2001/05/21-02.14-003 Extracted: 05/21/2001 13:48 Analyzed 05/22/2001 13:31

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	1.35	1.43	2.00	2.00	67.5	71.5	5.8	65-135	30		
Aroclor 1260	1.38	1.48	2.00	2.00	69.0	74.0	7.0	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	30.5	30.9	50	50	61.0	61.8		62-123		s	s
Decachlorobiphenyl	33.5	36.1	50	50	67.0	72.2		56-136			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-01.14**

LCS: 2001/05/23-01.14-002 Extracted: 05/23/2001 07:17 Analyzed 05/23/2001 17:10
LCSD: 2001/05/23-01.14-003 Extracted: 05/23/2001 07:17 Analyzed 05/23/2001 17:36

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	0.0656	0.0599	0.0667	0.0667	98.4	89.8	9.1	65-135	30		
Aroclor 1260	0.0641	0.0684	0.0667	0.0667	96.1	102.5	6.4	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	43.8	46.3	50	50	87.6	92.6		50-125			
Decachlorobiphenyl	44.6	46.2	50	50	89.2	92.4		46-142			

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8082

Prep Method: 3550/8082

Batch QC Report

PCBs

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2001/05/23-01.14**

Sample ID: **KB-4-5-3/3.5** Lab Sample ID: 2001-05-0337-007

MS: 2001/05/23-01.14-004 Extracted: 05/23/2001 07:17 Analyzed: 05/23/2001 18:03 Dilution: 1.0

MSD: 2001/05/23-01.14-005 Extracted: 05/23/2001 07:17 Analyzed: 05/23/2001 18:29 Dilution: 1.0

Compound	Conc. [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Aroclor 1016	0.0489	0.0652	ND	0.0667	0.0665	73.3	98.0	28.8	65-135	30		
Aroclor 1260	0.0666	0.0685	ND	0.0667	0.0665	99.9	103.0	3.1	65-135	30		
Surrogate(s)												
2,4,5,6-Tetrachloro-m-xy	42.1	42.9		50	50	84.2	85.8		50-125			
Decachlorobiphenyl	47.0	48.4		50	50	94.0	96.8		46-142			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8082
Prep Method: 3510/8082
3550/8082

Legend & Notes

PCBs

Analyte Flags

s

One surrogate recovery out of control, but second surrogate within QC limits confirms test performance.

pH

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00
Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-15.5-4.5	Soil	05/17/2001 09:25	2
KB-15-WA	Water	05/17/2001 12:00	4

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-15.5-4.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0337-002**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.4	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-15-WA**	Lab Sample ID:	**2001-05-0337-004**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/18/2001
Sampled:	05/17/2001 12:00	QC-Batch:	2001/05/18-01.22
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.0	0.0	SU	1.00	05/18/2001	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9040B
Prep Method: 9040B

Batch QC Report
pH

Method Blank | **Water** | **QC Batch # 2001/05/18-01.22**

MB: 2001/05/18-01.22-001 | Date Extracted: 05/18/2001

Compound	Result	Rep.Limit	Units	Analyzed	Flag
pH	7.08		SU	05/18/2001	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9045C
Prep Method: 9045C

Batch QC Report
pH

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.22**

MB: 2001/05/22-01.22-001

Date Extracted: 05/22/2001 14:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
pH	7.03		SU	05/22/2001 14:00	

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

2001-05-0337

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Reference #: 59342

Chain of Custody

DATE 5/17/01 PAGE 1 OF 2

PROJ. MGR Meredith Durant
COMPANY Kennedy/Jenks
ADDRESS 622 Folsom SF
415-243-2534

SAMPLERS (SIGNATURE) Mike McLeod
(PHONE NO.) 415-243-2508
(FAX NO.)

	SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015, 8020) ☐ Gas w/ ☐ BTEX ☐ MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)		☐ PESTICIDES (EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM'17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
1	KB-18-W	5/17	0845	W	No			X			X							X								5
2	KB-15-S-2/2.5		0925	S	4°C			X			X											X				1
3	KB-15-W		0945	W	"			X			X											X				3
4	KB-15-WA		1200	W	"			X														X				1
5	KB-5-W		1140	W	"			X			X															4
6	5/17-DUP		1150	W	"			X			X															4
7	KB-4-S-3/3.5		1245	S	"			X			X				RUN											1
8	KB-4-S-1.0/1.5		1245	S	"			X			X															1
9	KB-4-W		1325	W	"			X			X				X											5

PROJECT INFORMATION

PROJECT NAME: Kaiser Oakland
PROJECT NUMBER: 000128.00
P.O. #:

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS:
HEAD SPACE:
TEMPERATURE: 3.8°C
CONFORMS TO RECORD:

TAT	STANDARD 5-DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS:

Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report

TRIP Blank need not listed on COC

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3
(SIGNATURE) 1730 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) 1833 (TIME)
(PRINTED NAME) 5/17/01 (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) 5/17/01 (DATE)
(COMPANY)	(COMPANY)	(COMPANY) STL-CL
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) 1730 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Denise Harrington (TIME)
(PRINTED NAME) 5-17-01 (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) D Harrington 1833 (DATE)
(COMPANY) STL-CL	(COMPANY)	(LAB) STL-CL 5/17/01

OK By Meredith to Run trip Blank by GC # 85 05/18/01 at 12:20 PM

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

2001-05-0337

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Reference #: 59342

Chain of Custody

DATE 5/17/01 PAGE 2 OF 2

PROJ. MGR Meredith Bennett
COMPANY KJ
ADDRESS 622 Folsom

SAMPLERS (SIGNATURE) (PHONE NO.)
(FAX NO.)

	SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) ☒ Gas w/ ☐ BTEX ☐ MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	TOTAL OIL AND GREASE (SM 5520 B+F, E+F)		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
10	KB-6-W	5/17/01	1420	W	4°	X		X			X	X														8
11	KB-1-S-0.2/0.7	"	1455	S	"			X			X							X								1
12	KB-1-S-3/3.5	"	1455	S	"			X			X							X								1
13	KB-13-S-2/2.5	"	1550	S	"			X			X	X						X								1

PROJECT INFORMATION

PROJECT NAME:
PROJECT NUMBER
P.O. #

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS
HEAD SPACE
TEMPERATURE
CONFORMS TO RECORD

TAT	STANDARD 5-DAY			24	48	72	OTHER

SPECIAL INSTRUCTIONS/COMMENTS:

Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) 1833 (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) 5/17/01 (DATE)
Kennedy/Jenks		STL-CC
(COMPANY)	(COMPANY)	(COMPANY)
RECEIVED BY 1	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) 1230 (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) 5/17/01 (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) D. Harrington 1833 (DATE)
STL-CC		STL-CL 5/17/01
(COMPANY)	(COMPANY)	(LAB)

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Ms. Meredith Durant

Project: 000128.00
901 Embarcado

Dear Meredith,

Attached is our report for your samples received on Friday May 18, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 2, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu

Volatile Organic Compounds by 8260A

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00
Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-1-W	Water	05/18/2001 08:10	1
KB-13-W	Water	05/18/2001 08:30	2
KB-9-W	Water	05/18/2001 09:30	3
KB-23-W	Water	05/18/2001 10:30	5
KB-22-W	Water	05/18/2001 11:20	8
KB-8-W	Water	05/18/2001 14:40	14

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 08:10
Matrix: Water

Lab Sample ID: **2001-05-0402-001**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 18:32
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 18:32	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 18:32	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 18:32	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 18:32	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 18:32	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 18:32	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 18:32	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:32	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-1-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 08:10
Matrix: Water

Lab Sample ID: **2001-05-0402-001**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 18:32
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Trichloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 18:32	
Vinyl chloride	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:32	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 18:32	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 18:32	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 18:32	
Surrogate(s)						
4-Bromofluorobenzene	98.9	86-115	%	1.00	05/22/2001 18:32	
1,2-Dichloroethane-d4	106.8	76-114	%	1.00	05/22/2001 18:32	
Toluene-d8	94.0	88-110	%	1.00	05/22/2001 18:32	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-13-W**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 08:30
Matrix: Water

Lab Sample ID: **2001-05-0402-002**
Received: 05/18/2001 17:45

Extracted: 05/22/2001 18:59
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 18:59	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 18:59	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 18:59	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 18:59	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
cis-1,2-Dichloroethene	17	0.50	ug/L	1.00	05/22/2001 18:59	
trans-1,2-Dichloroethene	1.5	0.50	ug/L	1.00	05/22/2001 18:59	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 18:59	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 18:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 18:59	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 18:59	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-13-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 08:30
Matrix: Water

Lab Sample ID: **2001-05-0402-002**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 18:59
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Trichloroethene	5.2	0.50	ug/L	1.00	05/22/2001 18:59	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 18:59	
Vinyl chloride	0.95	0.50	ug/L	1.00	05/22/2001 18:59	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 18:59	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 18:59	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 18:59	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 18:59	
Surrogate(s)						
4-Bromofluorobenzene	100.3	86-115	%	1.00	05/22/2001 18:59	
1,2-Dichloroethane-d4	107.0	76-114	%	1.00	05/22/2001 18:59	
Toluene-d8	94.4	88-110	%	1.00	05/22/2001 18:59	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-9-W**	Lab Sample ID:	**2001-05-0402-003**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 19:26
Sampled:	05/18/2001 09:30	QC-Batch:	2001/05/22-01.07
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 19:26	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 19:26	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 19:26	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 19:26	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 19:26	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 19:26	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 19:26	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:26	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-9-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 09:30
Matrix: Water

Lab Sample ID: **2001-05-0402-003**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 19:26
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Trichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 19:26	
Vinyl chloride	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:26	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 19:26	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 19:26	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 19:26	
Surrogate(s)						
4-Bromofluorobenzene	105.0	86-115	%	1.00	05/22/2001 19:26	
1,2-Dichloroethane-d4	103.0	76-114	%	1.00	05/22/2001 19:26	
Toluene-d8	99.3	88-110	%	1.00	05/22/2001 19:26	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-23-W**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 10:30
Matrix: Water

Lab Sample ID: **2001-05-0402-005**
Received: 05/18/2001 17:45

Extracted: 05/22/2001 19:53
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 19:53	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 19:53	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 19:53	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 19:53	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 19:53	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 19:53	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 19:53	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:53	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-23-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:30
Matrix: Water

Lab Sample ID: **2001-05-0402-005**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 19:53
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Trichloroethene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 19:53	
Vinyl chloride	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 19:53	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 19:53	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 19:53	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 19:53	
Surrogate(s)						
4-Bromofluorobenzene	104.8	86-115	%	1.00	05/22/2001 19:53	
1,2-Dichloroethane-d4	107.2	76-114	%	1.00	05/22/2001 19:53	
Toluene-d8	101.0	88-110	%	1.00	05/22/2001 19:53	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-22-W**	Lab Sample ID:	**2001-05-0402-008**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 20:20
Sampled:	05/18/2001 11:20	QC-Batch:	2001/05/22-01.07
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 20:20	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 20:20	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 20:20	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 20:20	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 20:20	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 20:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 20:20	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:20	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-22-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:20
Matrix: Water

Lab Sample ID: **2001-05-0402-008**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 20:20
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Trichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 20:20	
Vinyl chloride	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:20	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 20:20	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 20:20	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 20:20	
Surrogate(s)						
4-Bromofluorobenzene	102.9	86-115	%	1.00	05/22/2001 20:20	
1,2-Dichloroethane-d4	109.5	76-114	%	1.00	05/22/2001 20:20	
Toluene-d8	100.4	88-110	%	1.00	05/22/2001 20:20	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-8-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:40
Matrix: Water

Lab Sample ID: **2001-05-0402-014**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 20:47
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	05/22/2001 20:47	
Benzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Bromodichloromethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Bromoform	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Bromomethane	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Carbon tetrachloride	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Chlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Chloroethane	ND	1.0	ug/L	1.00	05/22/2001 20:47	
2-Butanone(MEK)	ND	50	ug/L	1.00	05/22/2001 20:47	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Chloroform	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Chloromethane	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Dibromochloromethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	1.00	05/22/2001 20:47	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Dibromomethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Ethylbenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
2-Hexanone	ND	50	ug/L	1.00	05/22/2001 20:47	
Methylene chloride	ND	5.0	ug/L	1.00	05/22/2001 20:47	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	05/22/2001 20:47	
Naphthalene	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Styrene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Tetrachloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:47	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-8-W**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 14:40
Matrix: Water

Lab Sample ID: **2001-05-0402-014**
Received: 05/18/2001 17:45

Extracted: 05/22/2001 20:47
QC-Batch: 2001/05/22-01.07

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Trichloroethene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Vinyl acetate	ND	5.0	ug/L	1.00	05/22/2001 20:47	
Vinyl chloride	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Total xylenes	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Carbon disulfide	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Isopropylbenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Bromobenzene	ND	0.50	ug/L	1.00	05/22/2001 20:47	
Bromochloromethane	ND	1.0	ug/L	1.00	05/22/2001 20:47	
Trichlorofluoromethane	ND	2.0	ug/L	1.00	05/22/2001 20:47	
MTBE	ND	5.0	ug/L	1.00	05/22/2001 20:47	
Surrogate(s)						
4-Bromofluorobenzene	95.7	86-115	%	1.00	05/22/2001 20:47	
1,2-Dichloroethane-d4	101.8	76-114	%	1.00	05/22/2001 20:47	
Toluene-d8	92.8	88-110	%	1.00	05/22/2001 20:47	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Water** | **QC Batch # 2001/05/22-01.07**

MB: 2001/05/22-01.07-009 | Date Extracted: 05/22/2001 16:49

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/L	05/22/2001 16:49	
Benzene	ND	0.5	ug/L	05/22/2001 16:49	
Bromodichloromethane	ND	0.5	ug/L	05/22/2001 16:49	
Bromoform	ND	0.5	ug/L	05/22/2001 16:49	
Bromomethane	ND	1.0	ug/L	05/22/2001 16:49	
Carbon tetrachloride	ND	0.5	ug/L	05/22/2001 16:49	
Chlorobenzene	ND	0.5	ug/L	05/22/2001 16:49	
Chloroethane	ND	1.0	ug/L	05/22/2001 16:49	
2-Butanone(MEK)	ND	50	ug/L	05/22/2001 16:49	
2-Chloroethylvinyl ether	ND	0.5	ug/L	05/22/2001 16:49	
Chloroform	ND	0.5	ug/L	05/22/2001 16:49	
Chloromethane	ND	1.0	ug/L	05/22/2001 16:49	
Dibromochloromethane	ND	0.5	ug/L	05/22/2001 16:49	
1,2-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 16:49	
1,3-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 16:49	
1,4-Dichlorobenzene	ND	0.5	ug/L	05/22/2001 16:49	
1,2-Dibromo-3-chloropropane	ND	5.0	ug/L	05/22/2001 16:49	
1,2-Dibromoethane	ND	0.5	ug/L	05/22/2001 16:49	
Dibromomethane	ND	0.5	ug/L	05/22/2001 16:49	
Dichlorodifluoromethane	ND	0.5	ug/L	05/22/2001 16:49	
1,1-Dichloroethane	ND	0.5	ug/L	05/22/2001 16:49	
1,2-Dichloroethane	ND	0.5	ug/L	05/22/2001 16:49	
1,1-Dichloroethene	ND	0.5	ug/L	05/22/2001 16:49	
cis-1,2-Dichloroethene	ND	0.5	ug/L	05/22/2001 16:49	
trans-1,2-Dichloroethene	ND	0.5	ug/L	05/22/2001 16:49	
1,2-Dichloropropane	ND	0.5	ug/L	05/22/2001 16:49	
cis-1,3-Dichloropropene	ND	0.5	ug/L	05/22/2001 16:49	
trans-1,3-Dichloropropene	ND	0.5	ug/L	05/22/2001 16:49	
Ethylbenzene	ND	0.5	ug/L	05/22/2001 16:49	
2-Hexanone	ND	50	ug/L	05/22/2001 16:49	
Methylene chloride	ND	5.0	ug/L	05/22/2001 16:49	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	05/22/2001 16:49	
Naphthalene	ND	1.0	ug/L	05/22/2001 16:49	
Styrene	ND	0.5	ug/L	05/22/2001 16:49	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	05/22/2001 16:49	
Tetrachloroethene	ND	0.5	ug/L	05/22/2001 16:49	
Toluene	ND	0.5	ug/L	05/22/2001 16:49	
1,1,1-Trichloroethane	ND	0.5	ug/L	05/22/2001 16:49	
1,1,2-Trichloroethane	ND	0.5	ug/L	05/22/2001 16:49	
Trichloroethene	ND	0.5	ug/L	05/22/2001 16:49	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	05/22/2001 16:49	
Vinyl acetate	ND	5.0	ug/L	05/22/2001 16:49	
Vinyl chloride	ND	0.5	ug/L	05/22/2001 16:49	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank **Water** **QC Batch # 2001/05/22-01.07**

MB: 2001/05/22-01.07-009 Date Extracted: 05/22/2001 16:49

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	1.0	ug/L	05/22/2001 16:49	
Trichlorotrifluoroethane	ND	0.5	ug/L	05/22/2001 16:49	
Carbon disulfide	ND	1.0	ug/L	05/22/2001 16:49	
Isopropylbenzene	ND	0.5	ug/L	05/22/2001 16:49	
Bromobenzene	ND	0.5	ug/L	05/22/2001 16:49	
Bromochloromethane	ND	1.0	ug/L	05/22/2001 16:49	
Trichlorofluoromethane	ND	2.0	ug/L	05/22/2001 16:49	
MTBE	ND	5.0	ug/L	05/22/2001 16:49	
Surrogate(s)					
4-Bromofluorobenzene	101.6	86-115	%	05/22/2001 16:49	
1,2-Dichloroethane-d4	104.5	76-114	%	05/22/2001 16:49	
Toluene-d8	96.8	88-110	%	05/22/2001 16:49	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/22-01.07**

LCS: 2001/05/22-01.07-005 Extracted: 05/22/2001 13:38 Analyzed 05/22/2001 13:38
LCSD: 2001/05/22-01.07-006 Extracted: 05/22/2001 14:04 Analyzed 05/22/2001 14:04

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	47.1	47.2	50.0	50.0	94.2	94.4	0.2	69-129	20		
Chlorobenzene	45.5	45.3	50.0	50.0	91.0	90.6	0.4	61-121	20		
1,1-Dichloroethene	58.8	55.4	50.0	50.0	117.6	110.8	6.0	65-125	20		
Toluene	48.4	46.3	50.0	50.0	96.8	92.6	4.4	70-130	20		
Trichloroethene	48.6	47.9	50.0	50.0	97.2	95.8	1.5	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	510	506	500	500	102.0	101.2		86-115			
1,2-Dichloroethane-d4	499	491	500	500	99.8	98.2		76-114			
Toluene-d8	496	464	500	500	99.2	92.8		88-110			

Volatile Organic Compounds by 8260A

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-23-S-2./2.5	Soil	05/18/2001 09:45	6
KB-22-S-0.5/1.0	Soil	05/18/2001 10:50	7
KB-5A-S-3/3.5	Soil	05/18/2001 11:10	9
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-6A-S-3/3.5	Soil	05/18/2001 10:55	11
KB-18-S-0/0.5	Soil	05/18/2001 14:06	13
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	17
KB-11-S-0/0.5	Soil	05/18/2001 12:15	20
KB-12-S-0/0.5	Soil	05/18/2001 12:00	21
KB-20-S-3/3.5	Soil	05/18/2001 13:05	23
KB-20-S-0/0.5	Soil	05/18/2001 13:05	24
KB-16-S-2/2.5	Soil	05/18/2001 13:30	28
KB-3-S-3/3.5	Soil	05/17/2001 12:35	29
KB-8-S-2/2.5	Soil	05/17/2001 13:30	30

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-7-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-004**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 13:15
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 13:15	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 13:15	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 13:15	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 13:15	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 13:15	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 13:15	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 13:15	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-7-S-3/3.5**
Lab Sample ID: **2001-05-0402-004**

Project: 000128.00
901 Embarcado

Received: 05/18/2001 17:45

Extracted: 05/30/2001 13:15

Sampled: 05/18/2001 09:25

QC-Batch: 2001/05/30-01.39

Matrix: Soil

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 13:15	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 13:15	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 13:15	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 13:15	
Surrogate(s)						
4-Bromofluorobenzene	110.8	74-121	%	1.00	05/30/2001 13:15	
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	05/30/2001 13:15	
Toluene-d8	102.5	81-117	%	1.00	05/30/2001 13:15	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-23-S-2./2.5**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 09:45
Matrix: Soil

Lab Sample ID: **2001-05-0402-006**
Received: 05/18/2001 17:45

Extracted: 05/30/2001 13:55
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 13:55	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 13:55	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 13:55	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 13:55	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 13:55	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 13:55	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 13:55	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-23-S-2./2.5**	Lab Sample ID:	**2001-05-0402-006**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 13:55
Sampled:	05/18/2001 09:45	QC-Batch:	2001/05/30-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 13:55	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 13:55	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 13:55	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 13:55	
Surrogate(s)						
4-Bromofluorobenzene	116.7	74-121	%	1.00	05/30/2001 13:55	
1,2-Dichloroethane-d4	110.6	70-121	%	1.00	05/30/2001 13:55	
Toluene-d8	100.9	81-117	%	1.00	05/30/2001 13:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-22-S-0.5/1.0**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:50
Matrix: Soil

Lab Sample ID: **2001-05-0402-007**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 14:32
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 14:32	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 14:32	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 14:32	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 14:32	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 14:32	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 14:32	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 14:32	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-22-S-0.5/1.0**	Lab Sample ID:	**2001-05-0402-007**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 14:32
Sampled:	05/18/2001 10:50	QC-Batch:	2001/05/30-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 14:32	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 14:32	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 14:32	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 14:32	
Surrogate(s)						
4-Bromofluorobenzene	111.2	74-121	%	1.00	05/30/2001 14:32	
1,2-Dichloroethane-d4	104.8	70-121	%	1.00	05/30/2001 14:32	
Toluene-d8	98.0	81-117	%	1.00	05/30/2001 14:32	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-5A-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:10
Matrix: Soil

Lab Sample ID: **2001-05-0402-009**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 15:09
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 15:09	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 15:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 15:09	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 15:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 15:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 15:09	
Methylene chloride	6.0	5.0	ug/Kg	1.00	05/30/2001 15:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 15:09	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-5A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-009**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 15:09
Sampled:	05/18/2001 11:10	QC-Batch:	2001/05/30-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 15:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 15:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 15:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 15:09	
Surrogate(s)						
4-Bromofluorobenzene	108.3	74-121	%	1.00	05/30/2001 15:09	
1,2-Dichloroethane-d4	96.6	70-121	%	1.00	05/30/2001 15:09	
Toluene-d8	92.6	81-117	%	1.00	05/30/2001 15:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45

Extracted: 05/31/2001 12:14
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/31/2001 12:14	
Benzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Bromoform	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Bromomethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Chloroethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/31/2001 12:14	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/31/2001 12:14	
Chloroform	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Chloromethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/31/2001 12:14	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Dibromomethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/31/2001 12:14	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
2-Hexanone	ND	50	ug/Kg	1.00	05/31/2001 12:14	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/31/2001 12:14	
Naphthalene	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Styrene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 12:14
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Vinyl acetate	ND	50	ug/Kg	1.00	05/31/2001 12:14	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Total xylenes	ND	10	ug/Kg	1.00	05/31/2001 12:14	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Bromochloromethane	ND	20	ug/Kg	1.00	05/31/2001 12:14	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
MTBE	ND	5.0	ug/Kg	1.00	05/31/2001 12:14	
Surrogate(s)						
4-Bromofluorobenzene	75.7	74-121	%	1.00	05/31/2001 12:14	
1,2-Dichloroethane-d4	136.9	70-121	%	1.00	05/31/2001 12:14	sh
Toluene-d8	89.1	81-117	%	1.00	05/31/2001 12:14	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-6A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-011**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 16:24
Sampled:	05/18/2001 10:55	QC-Batch:	2001/05/30-01.39
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 16:24	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 16:24	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 16:24	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 16:24	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 16:24	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 16:24	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 16:24	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-6A-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-011**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 16:24
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 16:24	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 16:24	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 16:24	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 16:24	
Surrogate(s)						
4-Bromofluorobenzene	114.8	74-121	%	1.00	05/30/2001 16:24	
1,2-Dichloroethane-d4	116.0	70-121	%	1.00	05/30/2001 16:24	
Toluene-d8	100.8	81-117	%	1.00	05/30/2001 16:24	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-18-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:06
Matrix: Soil

Lab Sample ID: **2001-05-0402-013**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 12:43
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/31/2001 12:43	
Benzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Bromoform	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Bromomethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Chloroethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/31/2001 12:43	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/31/2001 12:43	
Chloroform	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Chloromethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/31/2001 12:43	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Dibromomethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/31/2001 12:43	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
2-Hexanone	ND	50	ug/Kg	1.00	05/31/2001 12:43	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/31/2001 12:43	
Naphthalene	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Styrene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-18-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:06
Matrix: Soil

Lab Sample ID: **2001-05-0402-013**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 12:43
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Vinyl acetate	ND	50	ug/Kg	1.00	05/31/2001 12:43	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Total xylenes	ND	10	ug/Kg	1.00	05/31/2001 12:43	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Bromochloromethane	ND	20	ug/Kg	1.00	05/31/2001 12:43	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
MTBE	ND	5.0	ug/Kg	1.00	05/31/2001 12:43	
Surrogate(s)						
4-Bromofluorobenzene	86.3	74-121	%	1.00	05/31/2001 12:43	
1,2-Dichloroethane-d4	97.7	70-121	%	1.00	05/31/2001 12:43	
Toluene-d8	105.0	81-117	%	1.00	05/31/2001 12:43	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-05-0402-017**
Received: 05/18/2001 17:45

Extracted: 05/31/2001 13:11
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/31/2001 13:11	
Benzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Bromoform	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Bromomethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Chloroethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/31/2001 13:11	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/31/2001 13:11	
Chloroform	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Chloromethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/31/2001 13:11	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Dibromomethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/31/2001 13:11	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
2-Hexanone	ND	50	ug/Kg	1.00	05/31/2001 13:11	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/31/2001 13:11	
Naphthalene	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Styrene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-13A-S-0/0.5**	Lab Sample ID:	**2001-05-0402-017**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/31/2001 13:11
Sampled:	05/18/2001 15:07	QC-Batch:	2001/05/31-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Vinyl acetate	ND	50	ug/Kg	1.00	05/31/2001 13:11	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Total xylenes	ND	10	ug/Kg	1.00	05/31/2001 13:11	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Bromochloromethane	ND	20	ug/Kg	1.00	05/31/2001 13:11	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
MTBE	ND	5.0	ug/Kg	1.00	05/31/2001 13:11	
Surrogate(s)						
4-Bromofluorobenzene	83.2	74-121	%	1.00	05/31/2001 13:11	
1,2-Dichloroethane-d4	120.3	70-121	%	1.00	05/31/2001 13:11	
Toluene-d8	92.0	81-117	%	1.00	05/31/2001 13:11	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 18:18
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 18:18	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 18:18	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 18:18	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 18:18	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 18:18	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 18:18	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 18:18	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 18:18
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 18:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 18:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 18:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 18:18	
Surrogate(s)						
4-Bromofluorobenzene	111.7	74-121	%	1.00	05/30/2001 18:18	
1,2-Dichloroethane-d4	110.6	70-121	%	1.00	05/30/2001 18:18	
Toluene-d8	95.6	81-117	%	1.00	05/30/2001 18:18	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-05-0402-021**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 13:40
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/31/2001 13:40	
Benzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Bromoform	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Bromomethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Chloroethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/31/2001 13:40	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/31/2001 13:40	
Chloroform	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Chloromethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/31/2001 13:40	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Dibromomethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/31/2001 13:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
2-Hexanone	ND	50	ug/Kg	1.00	05/31/2001 13:40	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/31/2001 13:40	
Naphthalene	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Styrene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-05-0402-021**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 13:40
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Vinyl acetate	ND	50	ug/Kg	1.00	05/31/2001 13:40	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Total xylenes	ND	10	ug/Kg	1.00	05/31/2001 13:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Bromochloromethane	ND	20	ug/Kg	1.00	05/31/2001 13:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
MTBE	ND	5.0	ug/Kg	1.00	05/31/2001 13:40	
Surrogate(s)						
4-Bromofluorobenzene	87.4	74-121	%	1.00	05/31/2001 13:40	
1,2-Dichloroethane-d4	116.2	70-121	%	1.00	05/31/2001 13:40	
Toluene-d8	103.5	81-117	%	1.00	05/31/2001 13:40	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-20-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-023**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 19:34
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 19:34	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 19:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 19:34	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 19:34	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 19:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 19:34	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 19:34	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-20-S-3/3.5**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-023**
Received: 05/18/2001 17:45

Extracted: 05/30/2001 19:34
QC-Batch: 2001/05/30-01.39

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 19:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 19:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 19:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 19:34	
Surrogate(s)						
4-Bromofluorobenzene	112.0	74-121	%	1.00	05/30/2001 19:34	
1,2-Dichloroethane-d4	115.2	70-121	%	1.00	05/30/2001 19:34	
Toluene-d8	98.1	81-117	%	1.00	05/30/2001 19:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-20-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-024**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 14:09
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/31/2001 14:09	
Benzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Bromoform	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Bromomethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Chloroethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/31/2001 14:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/31/2001 14:09	
Chloroform	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Chloromethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/31/2001 14:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Dibromomethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/31/2001 14:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
2-Hexanone	ND	50	ug/Kg	1.00	05/31/2001 14:09	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/31/2001 14:09	
Naphthalene	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Styrene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-20-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-024**
Received: 05/18/2001 17:45
Extracted: 05/31/2001 14:09
QC-Batch: 2001/05/31-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Vinyl acetate	ND	50	ug/Kg	1.00	05/31/2001 14:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Total xylenes	ND	10	ug/Kg	1.00	05/31/2001 14:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Bromochloromethane	ND	20	ug/Kg	1.00	05/31/2001 14:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
MTBE	ND	5.0	ug/Kg	1.00	05/31/2001 14:09	
Surrogate(s)						
4-Bromofluorobenzene	82.7	74-121	%	1.00	05/31/2001 14:09	
1,2-Dichloroethane-d4	99.0	70-121	%	1.00	05/31/2001 14:09	
Toluene-d8	105.1	81-117	%	1.00	05/31/2001 14:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-16-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-028**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 18:42
QC-Batch: 2001/05/30-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 18:42	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 18:42	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 18:42	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 18:42	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 18:42	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 18:42	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 18:42	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-16-S-2/2.5**	Lab Sample ID:	**2001-05-0402-028**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 18:42
Sampled:	05/18/2001 13:30	QC-Batch:	2001/05/30-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 18:42	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 18:42	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 18:42	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 18:42	
Surrogate(s)						
4-Bromofluorobenzene	79.5	74-121	%	1.00	05/30/2001 18:42	
1,2-Dichloroethane-d4	103.0	70-121	%	1.00	05/30/2001 18:42	
Toluene-d8	89.0	81-117	%	1.00	05/30/2001 18:42	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-3-S-3/3.5**
Project: 000128.00
901 Embarcado

Sampled: 05/17/2001 12:35
Matrix: Soil

Lab Sample ID: **2001-05-0402-029**
Received: 05/18/2001 17:45

Extracted: 05/30/2001 20:09
QC-Batch: 2001/05/30-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 20:09	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 20:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 20:09	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 20:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 20:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 20:09	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 20:09	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-3-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/17/2001 12:35
Matrix: Soil

Lab Sample ID: **2001-05-0402-029**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 20:09
QC-Batch: 2001/05/30-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 20:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 20:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 20:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 20:09	
Surrogate(s)						
4-Bromofluorobenzene	85.3	74-121	%	1.00	05/30/2001 20:09	
1,2-Dichloroethane-d4	102.6	70-121	%	1.00	05/30/2001 20:09	
Toluene-d8	99.2	81-117	%	1.00	05/30/2001 20:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID: **KB-8-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/17/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-030**
Received: 05/18/2001 17:45
Extracted: 05/30/2001 20:38
QC-Batch: 2001/05/30-01.09

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Acetone	ND	50	ug/Kg	1.00	05/30/2001 20:38	
Benzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Bromoform	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Bromomethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Chloroethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/30/2001 20:38	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/30/2001 20:38	
Chloroform	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Chloromethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/30/2001 20:38	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Dibromomethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/30/2001 20:38	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
2-Hexanone	ND	50	ug/Kg	1.00	05/30/2001 20:38	
Methylene chloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/30/2001 20:38	
Naphthalene	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Styrene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Volatile Organic Compounds by 8260A

Sample ID:	**KB-8-S-2/2.5**	Lab Sample ID:	**2001-05-0402-030**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/30/2001 20:38
Sampled:	05/17/2001 13:30	QC-Batch:	2001/05/30-01.09
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Toluene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Trichloroethene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Vinyl acetate	ND	50	ug/Kg	1.00	05/30/2001 20:38	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Total xylenes	ND	10	ug/Kg	1.00	05/30/2001 20:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Bromochloromethane	ND	20	ug/Kg	1.00	05/30/2001 20:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
MTBE	ND	5.0	ug/Kg	1.00	05/30/2001 20:38	
Surrogate(s)						
4-Bromofluorobenzene	86.4	74-121	%	1.00	05/30/2001 20:38	
1,2-Dichloroethane-d4	112.3	70-121	%	1.00	05/30/2001 20:38	
Toluene-d8	96.9	81-117	%	1.00	05/30/2001 20:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/30-01.09**

MB: 2001/05/30-01.09-004 | Date Extracted: 05/30/2001 11:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/Kg	05/30/2001 11:00	
Benzene	ND	5.0	ug/Kg	05/30/2001 11:00	
Bromodichloromethane	ND	5.0	ug/Kg	05/30/2001 11:00	
Bromoform	ND	5.0	ug/Kg	05/30/2001 11:00	
Bromomethane	ND	10.0	ug/Kg	05/30/2001 11:00	
Carbon tetrachloride	ND	5.0	ug/Kg	05/30/2001 11:00	
Chlorobenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
Chloroethane	ND	10	ug/Kg	05/30/2001 11:00	
2-Butanone(MEK)	ND	50	ug/Kg	05/30/2001 11:00	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/30/2001 11:00	
Chloroform	ND	5.0	ug/Kg	05/30/2001 11:00	
Chloromethane	ND	10	ug/Kg	05/30/2001 11:00	
Dibromochloromethane	ND	5.0	ug/Kg	05/30/2001 11:00	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/30/2001 11:00	
1,2-Dibromoethane	ND	10	ug/Kg	05/30/2001 11:00	
Dibromomethane	ND	10	ug/Kg	05/30/2001 11:00	
Dichlorodifluoromethane	ND	10	ug/Kg	05/30/2001 11:00	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 11:00	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 11:00	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/30/2001 11:00	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/30/2001 11:00	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/30/2001 11:00	
Ethylbenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
2-Hexanone	ND	50	ug/Kg	05/30/2001 11:00	
Methylene chloride	ND	5.0	ug/Kg	05/30/2001 11:00	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/30/2001 11:00	
Naphthalene	ND	10	ug/Kg	05/30/2001 11:00	
Styrene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
Tetrachloroethene	ND	5.0	ug/Kg	05/30/2001 11:00	
Toluene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
Trichloroethene	ND	5.0	ug/Kg	05/30/2001 11:00	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
Vinyl acetate	ND	50	ug/Kg	05/30/2001 11:00	
Vinyl chloride	ND	5.0	ug/Kg	05/30/2001 11:00	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/30-01.09**

MB: 2001/05/30-01.09-004 | Date Extracted: 05/30/2001 11:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	10	ug/Kg	05/30/2001 11:00	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/30/2001 11:00	
Carbon disulfide	ND	5.0	ug/Kg	05/30/2001 11:00	
Isopropylbenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
Bromobenzene	ND	5.0	ug/Kg	05/30/2001 11:00	
Bromochloromethane	ND	20	ug/Kg	05/30/2001 11:00	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/30/2001 11:00	
MTBE	ND	5.0	ug/Kg	05/30/2001 11:00	
Surrogate(s)					
4-Bromofluorobenzene	85.8	74-121	%	05/30/2001 11:00	
1,2-Dichloroethane-d4	93.0	70-121	%	05/30/2001 11:00	
Toluene-d8	94.6	81-117	%	05/30/2001 11:00	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/30-01.39**

MB: 2001/05/30-01.39-005 | Date Extracted: 05/30/2001 12:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/Kg	05/30/2001 12:38	
Benzene	ND	5.0	ug/Kg	05/30/2001 12:38	
Bromodichloromethane	ND	5.0	ug/Kg	05/30/2001 12:38	
Bromoform	ND	5.0	ug/Kg	05/30/2001 12:38	
Bromomethane	ND	10.0	ug/Kg	05/30/2001 12:38	
Carbon tetrachloride	ND	5.0	ug/Kg	05/30/2001 12:38	
Chlorobenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
Chloroethane	ND	10	ug/Kg	05/30/2001 12:38	
2-Butanone(MEK)	ND	50	ug/Kg	05/30/2001 12:38	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/30/2001 12:38	
Chloroform	ND	5.0	ug/Kg	05/30/2001 12:38	
Chloromethane	ND	10	ug/Kg	05/30/2001 12:38	
Dibromochloromethane	ND	5.0	ug/Kg	05/30/2001 12:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/30/2001 12:38	
1,2-Dibromoethane	ND	10	ug/Kg	05/30/2001 12:38	
Dibromomethane	ND	10	ug/Kg	05/30/2001 12:38	
Dichlorodifluoromethane	ND	10	ug/Kg	05/30/2001 12:38	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 12:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 12:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/30/2001 12:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/30/2001 12:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/30/2001 12:38	
Ethylbenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
2-Hexanone	ND	50	ug/Kg	05/30/2001 12:38	
Methylene chloride	ND	5.0	ug/Kg	05/30/2001 12:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/30/2001 12:38	
Naphthalene	ND	10	ug/Kg	05/30/2001 12:38	
Styrene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
Tetrachloroethene	ND	5.0	ug/Kg	05/30/2001 12:38	
Toluene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
Trichloroethene	ND	5.0	ug/Kg	05/30/2001 12:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
Vinyl acetate	ND	50	ug/Kg	05/30/2001 12:38	
Vinyl chloride	ND	5.0	ug/Kg	05/30/2001 12:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/30-01.39**

MB: 2001/05/30-01.39-005 | Date Extracted: 05/30/2001 12:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	10	ug/Kg	05/30/2001 12:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/30/2001 12:38	
Carbon disulfide	ND	5.0	ug/Kg	05/30/2001 12:38	
Isopropylbenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
Bromobenzene	ND	5.0	ug/Kg	05/30/2001 12:38	
Bromochloromethane	ND	20	ug/Kg	05/30/2001 12:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/30/2001 12:38	
MTBE	ND	5.0	ug/Kg	05/30/2001 12:38	
Surrogate(s)					
4-Bromofluorobenzene	115.6	74-121	%	05/30/2001 12:38	
1,2-Dichloroethane-d4	102.4	70-121	%	05/30/2001 12:38	
Toluene-d8	94.6	81-117	%	05/30/2001 12:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/31-01.09**

MB: 2001/05/31-01.09-004 | Date Extracted: 05/31/2001 10:46

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Acetone	ND	50	ug/Kg	05/31/2001 10:46	
Benzene	ND	5.0	ug/Kg	05/31/2001 10:46	
Bromodichloromethane	ND	5.0	ug/Kg	05/31/2001 10:46	
Bromoform	ND	5.0	ug/Kg	05/31/2001 10:46	
Bromomethane	ND	10.0	ug/Kg	05/31/2001 10:46	
Carbon tetrachloride	ND	5.0	ug/Kg	05/31/2001 10:46	
Chlorobenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
Chloroethane	ND	10	ug/Kg	05/31/2001 10:46	
2-Butanone(MEK)	ND	50	ug/Kg	05/31/2001 10:46	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/31/2001 10:46	
Chloroform	ND	5.0	ug/Kg	05/31/2001 10:46	
Chloromethane	ND	10	ug/Kg	05/31/2001 10:46	
Dibromochloromethane	ND	5.0	ug/Kg	05/31/2001 10:46	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/31/2001 10:46	
1,2-Dibromoethane	ND	10	ug/Kg	05/31/2001 10:46	
Dibromomethane	ND	10	ug/Kg	05/31/2001 10:46	
Dichlorodifluoromethane	ND	10	ug/Kg	05/31/2001 10:46	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/31/2001 10:46	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/31/2001 10:46	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/31/2001 10:46	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/31/2001 10:46	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/31/2001 10:46	
Ethylbenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
2-Hexanone	ND	50	ug/Kg	05/31/2001 10:46	
Methylene chloride	ND	5.0	ug/Kg	05/31/2001 10:46	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/31/2001 10:46	
Naphthalene	ND	10	ug/Kg	05/31/2001 10:46	
Styrene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
Tetrachloroethene	ND	5.0	ug/Kg	05/31/2001 10:46	
Toluene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
Trichloroethene	ND	5.0	ug/Kg	05/31/2001 10:46	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
Vinyl acetate	ND	50	ug/Kg	05/31/2001 10:46	
Vinyl chloride	ND	5.0	ug/Kg	05/31/2001 10:46	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report
Volatile Organic Compounds by 8260A

Method Blank | **Soil** | **QC Batch # 2001/05/31-01.09**

MB: 2001/05/31-01.09-004 | Date Extracted: 05/31/2001 10:46

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Total xylenes	ND	10	ug/Kg	05/31/2001 10:46	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/31/2001 10:46	
Carbon disulfide	ND	5.0	ug/Kg	05/31/2001 10:46	
Isopropylbenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
Bromobenzene	ND	5.0	ug/Kg	05/31/2001 10:46	
Bromochloromethane	ND	20	ug/Kg	05/31/2001 10:46	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/31/2001 10:46	
MTBE	ND	5.0	ug/Kg	05/31/2001 10:46	
Surrogate(s)					
4-Bromofluorobenzene	87.0	74-121	%	05/31/2001 10:46	
1,2-Dichloroethane-d4	90.6	70-121	%	05/31/2001 10:46	
Toluene-d8	101.6	81-117	%	05/31/2001 10:46	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/30-01.09**

LCS: 2001/05/30-01.09-002 Extracted: 05/30/2001 10:00 Analyzed 05/30/2001 10:00
LCSD: 2001/05/30-01.09-003 Extracted: 05/30/2001 10:34 Analyzed 05/30/2001 10:34

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	113	100	100.0	100.0	113.0	100.0	12.2	69-129	20		
Chlorobenzene	97.3	99.6	100.0	100.0	97.3	99.6	2.3	61-121	20		
1,1-Dichloroethene	78.9	71.8	100.0	100.0	78.9	71.8	9.4	65-125	20		
Toluene	103	103	100.0	100.0	103.0	103.0	0.0	70-130	20		
Trichloroethene	109	106	100.0	100.0	109.0	106.0	2.8	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	470	458	500	500	94.0	91.6		74-121			
1,2-Dichloroethane-d4	492	469	500	500	98.4	93.8		70-121			
Toluene-d8	510	503	500	500	102.0	100.6		81-117			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/30-01.39**

LCS: 2001/05/30-01.39-003 Extracted: 05/30/2001 11:17 Analyzed 05/30/2001 11:17

LCSD: 2001/05/30-01.39-004 Extracted: 05/30/2001 12:02 Analyzed 05/30/2001 12:02

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	105	100	100.0	100.0	105.0	100.0	4.9	69-129	20		
Chlorobenzene	108	103	100.0	100.0	108.0	103.0	4.7	61-121	20		
1,1-Dichloroethene	99.6	106	100.0	100.0	99.6	106.0	6.2	65-125	20		
Toluene	99.0	93.1	100.0	100.0	99.0	93.1	6.1	70-130	20		
Trichloroethene	93.2	86.8	100.0	100.0	93.2	86.8	7.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	576	575	500	500	115.2	115.0		74-121			
1,2-Dichloroethane-d4	540	541	500	500	108.0	108.2		70-121			
Toluene-d8	488	468	500	500	97.6	93.6		81-117			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/31-01.09**

LCS: 2001/05/31-01.09-002 Extracted: 05/31/2001 09:43 Analyzed 05/31/2001 09:43
LCSD: 2001/05/31-01.09-003 Extracted: 05/31/2001 10:19 Analyzed 05/31/2001 10:19

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	109	110	100.0	100.0	109.0	110.0	0.9	69-129	20		
Chlorobenzene	101	99.1	100.0	100.0	101.0	99.1	1.9	61-121	20		
1,1-Dichloroethene	72.2	74.5	100.0	100.0	72.2	74.5	3.1	65-125	20		
Toluene	104	103	100.0	100.0	104.0	103.0	1.0	70-130	20		
Trichloroethene	109	106	100.0	100.0	109.0	106.0	2.8	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	476	455	500	500	95.2	91.0		74-121			
1,2-Dichloroethane-d4	486	527	500	500	97.2	105.4		70-121			
Toluene-d8	500	489	500	500	100.0	97.8		81-117			

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8260A

Prep Method: 5030

Batch QC Report

Volatile Organic Compounds by 8260A

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2001/05/30-01.09**

Sample ID: **KB-16-S-2/2.5** Lab Sample ID: 2001-05-0402-028

MS: 2001/05/30-01.09-021 Extracted: 05/30/2001 19:11 Analyzed: 05/30/2001 19:11 Dilution: 1.0

MSD: 2001/05/30-01.09-022 Extracted: 05/30/2001 19:40 Analyzed: 05/30/2001 19:40 Dilution: 1.0

Compound	Conc. [ug/Kg]			Exp.Conc. [ug/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Benzene	100	98.3	ND	99.0	98.2	101.0	100.1	0.9	69-129	20		
Chlorobenzene	100	96.0	ND	99.0	98.2	101.0	97.8	3.2	61-121	20		
1,1-Dichloroethene	70.0	67.5	ND	99.0	98.2	70.7	68.7	2.9	65-125	20		
Toluene	102	98.4	ND	99.0	98.2	103.0	100.2	2.8	70-130	20		
Trichloroethene	101	95.4	ND	99.0	98.2	102.0	97.1	4.9	74-134	20		
Surrogate(s)												
4-Bromofluorobenzene	489	466		500	500	97.8	93.2		74-121			
1,2-Dichloroethane-d4	574	555		500	500	114.8	111.0		70-121			
Toluene-d8	500	490		500	500	100.0	98.0		81-117			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8260A
Prep Method: 5030

Legend & Notes

Volatile Organic Compounds by 8260A

Analyte Flags

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Semi-volatile analysis by GC/MS - EPA8270C

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00
Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-13-W	Water	05/18/2001 08:30	2
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-23-W	Water	05/18/2001 10:30	5
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-6A-S-3/3.5	Soil	05/18/2001 10:55	11
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	17
KB-2-S-0/0.5,SS-1	Soil	05/18/2001 15:55	18
KB-11-S-0/0.5	Soil	05/18/2001 12:15	20
KB-16-S-2/2.5	Soil	05/18/2001 13:30	28

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-13-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 08:30
Matrix: Water

Lab Sample ID: **2001-05-0402-002**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 12:11
QC-Batch: 2001/05/23-01.11

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2-Chlorophenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Benzyl alcohol	ND	5.0	ug/L	1.00	05/24/2001 13:54	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2-Methylphenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	05/24/2001 13:54	
4-Methylphenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Hexachloroethane	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Nitrobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Isophorone	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2-Nitrophenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	05/24/2001 13:54	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Naphthalene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
4-Chloroaniline	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	05/24/2001 13:54	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	05/24/2001 13:54	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2-Nitroaniline	ND	10	ug/L	1.00	05/24/2001 13:54	
Dimethyl phthalate	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Acenaphthylene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
3-Nitroaniline	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Acenaphthene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2,4-Dinitrophenol	ND	10	ug/L	1.00	05/24/2001 13:54	
4-Nitrophenol	ND	10	ug/L	1.00	05/24/2001 13:54	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-13-W**	Lab Sample ID:	**2001-05-0402-002**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:11
Sampled:	05/18/2001 08:30	QC-Batch:	2001/05/23-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Diethyl phthalate	ND	5.0	ug/L	1.00	05/24/2001 13:54	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Fluorene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
4-Nitroaniline	ND	10	ug/L	1.00	05/24/2001 13:54	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	05/24/2001 13:54	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	05/24/2001 13:54	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Hexachlorobenzene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Pentachlorophenol	ND	10	ug/L	1.00	05/24/2001 13:54	
Phenanthrene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Anthracene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Fluoranthene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Pyrene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	05/24/2001 13:54	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	05/24/2001 13:54	
Chrysene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	05/24/2001 13:54	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	05/24/2001 13:54	
Benzoic acid	ND	10	ug/L	1.00	05/24/2001 13:54	
Surrogate(s)						
Nitrobenzene-d5	20.9	35-114	%	1.00	05/24/2001 13:54	sl
2-Fluorobiphenyl	19.4	43-116	%	1.00	05/24/2001 13:54	sl
p-Terphenyl-d14	30.7	33-141	%	1.00	05/24/2001 13:54	sl
2-Fluorophenol	24.1	25-100	%	1.00	05/24/2001 13:54	sl

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-13-W**	Lab Sample ID:	**2001-05-0402-002**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:11
Sampled:	05/18/2001 08:30	QC-Batch:	2001/05/23-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	21.6	10-110	%	1.00	05/24/2001 13:54	
2,4,6-Tribromophenol	24.1	10-123	%	1.00	05/24/2001 13:54	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-7-S-3/3.5**	Lab Sample ID:	**2001-05-0402-004**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 09:25	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
4-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Hexachloroethane	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Nitrobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Isophorone	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Naphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Acenaphthylene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Acenaphthene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-7-S-3/3.5**	Lab Sample ID:	**2001-05-0402-004**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 09:25	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Fluorene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
Phenanthrene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
Chrysene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 00:50	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	05/23/2001 00:50	
Benzoic acid	ND	0.33	mg/Kg	1.00	05/23/2001 00:50	
Surrogate(s)						
Nitrobenzene-d5	80.5	23-120	%	1.00	05/23/2001 00:50	
2-Fluorobiphenyl	76.7	30-115	%	1.00	05/23/2001 00:50	
p-Terphenyl-d14	99.3	18-137	%	1.00	05/23/2001 00:50	
2-Fluorophenol	72.6	25-121	%	1.00	05/23/2001 00:50	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-7-S-3/3.5**	Lab Sample ID:	**2001-05-0402-004**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 09:25	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	78.7	24-113	%	1.00	05/23/2001 00:50	
2,4,6-Tribromophenol	83.6	19-122	%	1.00	05/23/2001 00:50	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-23-W**	Lab Sample ID:	**2001-05-0402-005**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:11
Sampled:	05/18/2001 10:30	QC-Batch:	2001/05/23-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Bis(2-chloroethyl)ether	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2-Chlorophenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
1,3-Dichlorobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
1,4-Dichlorobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Benzyl alcohol	ND	5.6	ug/L	1.12	05/24/2001 14:28	
1,2-Dichlorobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2-Methylphenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Bis(2-chloroisopropyl) ether	ND	2.2	ug/L	1.12	05/24/2001 14:28	
4-Methylphenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
N-Nitroso-di-n-propylamine	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Hexachloroethane	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Nitrobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Isophorone	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2-Nitrophenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2,4-Dimethylphenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Bis(2-chloroethoxy) methane	ND	5.6	ug/L	1.12	05/24/2001 14:28	
2,4-Dichlorophenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
1,2,4-Trichlorobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Naphthalene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
4-Chloroaniline	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Hexachlorobutadiene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
4-Chloro-3-methylphenol	ND	5.6	ug/L	1.12	05/24/2001 14:28	
2-Methylnaphthalene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Hexachlorocyclopentadiene	ND	5.6	ug/L	1.12	05/24/2001 14:28	
2,4,6-Trichlorophenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2,4,5-Trichlorophenol	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2-Chloronaphthalene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2-Nitroaniline	ND	11	ug/L	1.12	05/24/2001 14:28	
Dimethyl phthalate	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Acenaphthylene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
3-Nitroaniline	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Acenaphthene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2,4-Dinitrophenol	ND	11	ug/L	1.12	05/24/2001 14:28	
4-Nitrophenol	ND	11	ug/L	1.12	05/24/2001 14:28	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-23-W**	Lab Sample ID:	**2001-05-0402-005**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:11
Sampled:	05/18/2001 10:30	QC-Batch:	2001/05/23-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2,4-Dinitrotoluene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
2,6-Dinitrotoluene	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Diethyl phthalate	ND	5.6	ug/L	1.12	05/24/2001 14:28	
4-Chlorophenyl phenyl ether	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Fluorene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
4-Nitroaniline	ND	11	ug/L	1.12	05/24/2001 14:28	
2-Methyl-4,6-dinitrophenol	ND	11	ug/L	1.12	05/24/2001 14:28	
N-Nitrosodiphenylamine	ND	2.2	ug/L	1.12	05/24/2001 14:28	
4-Bromophenyl phenyl ether	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Hexachlorobenzene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Pentachlorophenol	ND	11	ug/L	1.12	05/24/2001 14:28	
Phenanthrene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Anthracene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Di-n-butyl phthalate	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Fluoranthene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Pyrene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Butyl benzyl phthalate	ND	5.6	ug/L	1.12	05/24/2001 14:28	
3,3-Dichlorobenzidine	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Benzo(a)anthracene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
bis(2-Ethylhexyl) phthalate	ND	11	ug/L	1.12	05/24/2001 14:28	
Chrysene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Di-n-octyl phthalate	ND	5.6	ug/L	1.12	05/24/2001 14:28	
Benzo(b)fluoranthene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Benzo(k)fluoranthene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Benzo(a)pyrene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Indeno(1,2,3-c,d)pyrene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Dibenzo(a,h)anthracene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Benzo(g,h,i)perylene	ND	2.2	ug/L	1.12	05/24/2001 14:28	
Benzoic acid	ND	11	ug/L	1.12	05/24/2001 14:28	
Surrogate(s)						
Nitrobenzene-d5	59.7	35-114	%	1.12	05/24/2001 14:28	
2-Fluorobiphenyl	58.4	43-116	%	1.12	05/24/2001 14:28	
p-Terphenyl-d14	89.9	33-141	%	1.12	05/24/2001 14:28	
2-Fluorophenol	31.8	25-100	%	1.12	05/24/2001 14:28	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-23-W**	Lab Sample ID:	**2001-05-0402-005**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:11
Sampled:	05/18/2001 10:30	QC-Batch:	2001/05/23-01.11
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	25.0	10-110	%	1.12	05/24/2001 14:28	
2,4,6-Tribromophenol	75.9	10-123	%	1.12	05/24/2001 14:28	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag Im (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2-Methylphenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
4-Methylphenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Hexachloroethane	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Nitrobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Isophorone	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Naphthalene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Acenaphthylene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Acenaphthene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
Dibenzofuran	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Fluorene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
Phenanthrene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Anthracene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Fluoranthene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Pyrene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
Chrysene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	05/23/2001 03:05	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	05/23/2001 03:05	
Benzoic acid	ND	3.3	mg/Kg	10.00	05/23/2001 03:05	
Surrogate(s)						

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-7-S-0/0.5**	Lab Sample ID:	**2001-05-0402-010**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 11:25	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrobenzene-d5	59.2	23-120	%	10.00	05/23/2001 03:05	
2-Fluorobiphenyl	66.8	30-115	%	10.00	05/23/2001 03:05	
p-Terphenyl-d14	123.0	18-137	%	10.00	05/23/2001 03:05	
2-Fluorophenol	38.8	25-121	%	10.00	05/23/2001 03:05	
Phenol-d6	53.0	24-113	%	10.00	05/23/2001 03:05	
2,4,6-Tribromophenol	61.2	19-122	%	10.00	05/23/2001 03:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-6A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-011**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 10:55	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
4-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Hexachloroethane	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Nitrobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Isophorone	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Naphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Acenaphthylene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Acenaphthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-6A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-011**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 10:55	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Fluorene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
Phenanthrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
Chrysene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 01:57	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	05/23/2001 01:57	
Benzoic acid	ND	0.33	mg/Kg	1.00	05/23/2001 01:57	
Surrogate(s)						
Nitrobenzene-d5	63.5	23-120	%	1.00	05/23/2001 01:57	
2-Fluorobiphenyl	61.6	30-115	%	1.00	05/23/2001 01:57	
p-Terphenyl-d14	89.0	18-137	%	1.00	05/23/2001 01:57	
2-Fluorophenol	55.4	25-121	%	1.00	05/23/2001 01:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-6A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-011**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 10:55	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	62.4	24-113	%	1.00	05/23/2001 01:57	
2,4,6-Tribromophenol	73.1	19-122	%	1.00	05/23/2001 01:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-13A-S-0/0.5**
Lab Sample ID: **2001-05-0402-017**

Project: 000128.00
901 Embarcado

Received: 05/18/2001 17:45

Extracted: 05/22/2001 08:36

Sampled: 05/18/2001 15:07
QC-Batch: 2001/05/22-01.11

Matrix: Soil

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2-Methylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
4-Methylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Hexachloroethane	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Nitrobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Isophorone	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Naphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Acenaphthylene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Acenaphthene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-05-0402-017**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
Dibenzofuran	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Fluorene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
Phenanthrene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
Chrysene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 02:31	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	05/23/2001 02:31	
Benzoic acid	ND	8.3	mg/Kg	25.00	05/23/2001 02:31	
Surrogate(s)						

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-05-0402-017**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrobenzene-d5	NA	23-120	%	25.00	05/23/2001 02:31	
2-Fluorobiphenyl	NA	30-115	%	25.00	05/23/2001 02:31	
p-Terphenyl-d14	NA	18-137	%	25.00	05/23/2001 02:31	
2-Fluorophenol	NA	25-121	%	25.00	05/23/2001 02:31	
Phenol-d6	NA	24-113	%	25.00	05/23/2001 02:31	
2,4,6-Tribromophenol	NA	19-122	%	25.00	05/23/2001 02:31	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-2-S-0/0.5,SS-1**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-018**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2-Methylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
4-Methylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Hexachloroethane	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Nitrobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Isophorone	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Naphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Acenaphthylene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Acenaphthene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-2-S-0/0.5,SS-1**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-018**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
Dibenzofuran	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Fluorene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
Phenanthrene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
Chrysene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	05/23/2001 03:39	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	05/23/2001 03:39	
Benzoic acid	ND	8.3	mg/Kg	25.00	05/23/2001 03:39	
Surrogate(s)						

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-2-S-0/0.5,SS-1**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-018**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag lrn,sdo (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrobenzene-d5	NA	23-120	%	25.00	05/23/2001 03:39	
2-Fluorobiphenyl	NA	30-115	%	25.00	05/23/2001 03:39	
p-Terphenyl-d14	NA	18-137	%	25.00	05/23/2001 03:39	
2-Fluorophenol	NA	25-121	%	25.00	05/23/2001 03:39	
Phenol-d6	NA	24-113	%	25.00	05/23/2001 03:39	
2,4,6-Tribromophenol	NA	19-122	%	25.00	05/23/2001 03:39	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2-Methylphenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
4-Methylphenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Hexachloroethane	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Nitrobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Isophorone	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Naphthalene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Acenaphthylene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Acenaphthene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
Dibenzofuran	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Fluorene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
Phenanthrene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Anthracene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Fluoranthene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Pyrene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
Chrysene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	05/23/2001 04:13	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	05/23/2001 04:13	
Benzoic acid	ND	1.7	mg/Kg	5.00	05/23/2001 04:13	
Surrogate(s)						

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Sample/Analysis Flag Irn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Nitrobenzene-d5	69.6	23-120	%	5.00	05/23/2001 04:13	
2-Fluorobiphenyl	72.5	30-115	%	5.00	05/23/2001 04:13	
p-Terphenyl-d14	114.8	18-137	%	5.00	05/23/2001 04:13	
2-Fluorophenol	57.6	25-121	%	5.00	05/23/2001 04:13	
Phenol-d6	67.4	24-113	%	5.00	05/23/2001 04:13	
2,4,6-Tribromophenol	36.1	19-122	%	5.00	05/23/2001 04:13	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID: **KB-16-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-028**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 08:36
QC-Batch: 2001/05/22-01.11

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
4-Methylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Hexachloroethane	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Nitrobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Isophorone	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Naphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Acenaphthylene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Acenaphthene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-16-S-2/2.5**	Lab Sample ID:	**2001-05-0402-028**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 13:30	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dibenzofuran	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Fluorene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
Phenanthrene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
Chrysene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	05/23/2001 15:55	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	05/23/2001 15:55	
Benzoic acid	ND	0.33	mg/Kg	1.00	05/23/2001 15:55	
Surrogate(s)						
Nitrobenzene-d5	72.4	23-120	%	1.00	05/23/2001 15:55	
2-Fluorobiphenyl	67.4	30-115	%	1.00	05/23/2001 15:55	
p-Terphenyl-d14	98.4	18-137	%	1.00	05/23/2001 15:55	
2-Fluorophenol	65.0	25-121	%	1.00	05/23/2001 15:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Semi-volatile analysis by GC/MS - EPA8270C

Sample ID:	**KB-16-S-2/2.5**	Lab Sample ID:	**2001-05-0402-028**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 08:36
Sampled:	05/18/2001 13:30	QC-Batch:	2001/05/22-01.11
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s)						
Phenol-d6	71.8	24-113	%	1.00	05/23/2001 15:55	
2,4,6-Tribromophenol	68.4	19-122	%	1.00	05/23/2001 15:55	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.11**

MB: 2001/05/22-01.11-020 | Date Extracted: 05/22/2001 08:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Chlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzyl alcohol	ND	0.17	mg/Kg	05/22/2001 22:04	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Methylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Methylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachloroethane	ND	0.067	mg/Kg	05/22/2001 22:04	
Nitrobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Isophorone	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Nitrophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dimethylphenol	ND	0.067	mg/Kg	05/22/2001 22:04	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	05/22/2001 22:04	
2,4-Dichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Naphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Chloroaniline	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachlorobutadiene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	05/22/2001 22:04	
2-Methylnaphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	05/22/2001 22:04	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Chloronaphthalene	ND	0.067	mg/Kg	05/22/2001 22:04	
2-Nitroaniline	ND	0.33	mg/Kg	05/22/2001 22:04	
Dimethyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Acenaphthylene	ND	0.067	mg/Kg	05/22/2001 22:04	
3-Nitroaniline	ND	0.067	mg/Kg	05/22/2001 22:04	
Acenaphthene	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dinitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
4-Nitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
Dibenzofuran	ND	0.067	mg/Kg	05/22/2001 22:04	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	05/22/2001 22:04	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	05/22/2001 22:04	
Diethyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	05/22/2001 22:04	
Fluorene	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Nitroaniline	ND	0.33	mg/Kg	05/22/2001 22:04	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	05/22/2001 22:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3550B/8270C

Batch QC Report
Semi-volatile analysis by GC/MS - EPA8270C

Method Blank **Soil** **QC Batch # 2001/05/22-01.11**

MB: 2001/05/22-01.11-020 Date Extracted: 05/22/2001 08:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	05/22/2001 22:04	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	05/22/2001 22:04	
Hexachlorobenzene	ND	0.067	mg/Kg	05/22/2001 22:04	
Pentachlorophenol	ND	0.33	mg/Kg	05/22/2001 22:04	
Phenanthrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
Di-n-butyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Butyl benzyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	05/22/2001 22:04	
Benzo(a)anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	05/22/2001 22:04	
Chrysene	ND	0.067	mg/Kg	05/22/2001 22:04	
Di-n-octyl phthalate	ND	0.17	mg/Kg	05/22/2001 22:04	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(a)pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	05/22/2001 22:04	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	05/22/2001 22:04	
Benzoic acid	0.408	0.33	mg/Kg	05/22/2001 22:04	b
Surrogate(s)					
Nitrobenzene-d5	69.8	23-120	%	05/22/2001 22:04	
2-Fluorobiphenyl	71.9	30-115	%	05/22/2001 22:04	
p-Terphenyl-d14	99.1	18-137	%	05/22/2001 22:04	
2-Fluorophenol	62.0	25-121	%	05/22/2001 22:04	
Phenol-d6	68.2	24-113	%	05/22/2001 22:04	
2,4,6-Tribromophenol	74.2	19-122	%	05/22/2001 22:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report
Semi-volatile analysis by GC/MS - EPA8270C

Method Blank | **Water** | **QC Batch # 2001/05/23-01.11**

MB: 2001/05/23-01.11-009 | Date Extracted: 05/23/2001 12:11

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Phenol	ND	2.0	ug/L	05/23/2001 18:22	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	05/23/2001 18:22	
2-Chlorophenol	ND	2.0	ug/L	05/23/2001 18:22	
1,3-Dichlorobenzene	ND	2.0	ug/L	05/23/2001 18:22	
1,4-Dichlorobenzene	ND	2.0	ug/L	05/23/2001 18:22	
Benzyl alcohol	ND	5.0	ug/L	05/23/2001 18:22	
1,2-Dichlorobenzene	ND	2.0	ug/L	05/23/2001 18:22	
2-Methylphenol	ND	2.0	ug/L	05/23/2001 18:22	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	05/23/2001 18:22	
4-Methylphenol	ND	2.0	ug/L	05/23/2001 18:22	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	05/23/2001 18:22	
Hexachloroethane	ND	2.0	ug/L	05/23/2001 18:22	
Nitrobenzene	ND	2.0	ug/L	05/23/2001 18:22	
Isophorone	ND	2.0	ug/L	05/23/2001 18:22	
2-Nitrophenol	ND	2.0	ug/L	05/23/2001 18:22	
2,4-Dimethylphenol	ND	2.0	ug/L	05/23/2001 18:22	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	05/23/2001 18:22	
2,4-Dichlorophenol	ND	2.0	ug/L	05/23/2001 18:22	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	05/23/2001 18:22	
Naphthalene	ND	2.0	ug/L	05/23/2001 18:22	
4-Chloroaniline	ND	2.0	ug/L	05/23/2001 18:22	
Hexachlorobutadiene	ND	2.0	ug/L	05/23/2001 18:22	
4-Chloro-3-methylphenol	ND	5.0	ug/L	05/23/2001 18:22	
2-Methylnaphthalene	ND	2.0	ug/L	05/23/2001 18:22	
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/23/2001 18:22	
2,4,6-Trichlorophenol	ND	2.0	ug/L	05/23/2001 18:22	
2,4,5-Trichlorophenol	ND	2.0	ug/L	05/23/2001 18:22	
2-Chloronaphthalene	ND	2.0	ug/L	05/23/2001 18:22	
2-Nitroaniline	ND	10	ug/L	05/23/2001 18:22	
Dimethyl phthalate	ND	5.0	ug/L	05/23/2001 18:22	
Acenaphthylene	ND	2.0	ug/L	05/23/2001 18:22	
3-Nitroaniline	ND	2.0	ug/L	05/23/2001 18:22	
Acenaphthene	ND	2.0	ug/L	05/23/2001 18:22	
2,4-Dinitrophenol	ND	10	ug/L	05/23/2001 18:22	
4-Nitrophenol	ND	10	ug/L	05/23/2001 18:22	
Dibenzofuran	ND	2.0	ug/L	05/23/2001 18:22	
2,4-Dinitrotoluene	ND	2.0	ug/L	05/23/2001 18:22	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/23/2001 18:22	
Diethyl phthalate	ND	5.0	ug/L	05/23/2001 18:22	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/23/2001 18:22	
Fluorene	ND	2.0	ug/L	05/23/2001 18:22	
4-Nitroaniline	ND	10	ug/L	05/23/2001 18:22	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	05/23/2001 18:22	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report
Semi-volatile analysis by GC/MS - EPA8270C

Method Blank **Water** **QC Batch # 2001/05/23-01.11**

MB: 2001/05/23-01.11-009 Date Extracted: 05/23/2001 12:11

Compound	Result	Rep.Limit	Units	Analyzed	Flag
N-Nitrosodiphenylamine	ND	2.0	ug/L	05/23/2001 18:22	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/23/2001 18:22	
Hexachlorobenzene	ND	2.0	ug/L	05/23/2001 18:22	
Pentachlorophenol	ND	10	ug/L	05/23/2001 18:22	
Phenanthrene	ND	2.0	ug/L	05/23/2001 18:22	
Anthracene	ND	2.0	ug/L	05/23/2001 18:22	
Di-n-butyl phthalate	ND	5.0	ug/L	05/23/2001 18:22	
Fluoranthene	ND	2.0	ug/L	05/23/2001 18:22	
Pyrene	ND	2.0	ug/L	05/23/2001 18:22	
Butyl benzyl phthalate	ND	5.0	ug/L	05/23/2001 18:22	
3,3-Dichlorobenzidine	ND	5.0	ug/L	05/23/2001 18:22	
Benzo(a)anthracene	ND	2.0	ug/L	05/23/2001 18:22	
bis(2-Ethylhexyl) phthalate	ND	10.0	ug/L	05/23/2001 18:22	
Chrysene	ND	2.0	ug/L	05/23/2001 18:22	
Di-n-octyl phthalate	ND	5.0	ug/L	05/23/2001 18:22	
Benzo(b)fluoranthene	ND	2.0	ug/L	05/23/2001 18:22	
Benzo(k)fluoranthene	ND	2.0	ug/L	05/23/2001 18:22	
Benzo(a)pyrene	ND	2.0	ug/L	05/23/2001 18:22	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	05/23/2001 18:22	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	05/23/2001 18:22	
Benzo(g,h,i)perylene	ND	2.0	ug/L	05/23/2001 18:22	
Benzoic acid	ND	10	ug/L	05/23/2001 18:22	
Surrogate(s)					
Nitrobenzene-d5	79.2	35-114	%	05/23/2001 18:22	
2-Fluorobiphenyl	70.4	43-116	%	05/23/2001 18:22	
p-Terphenyl-d14	112.4	33-141	%	05/23/2001 18:22	
2-Fluorophenol	42.8	25-100	%	05/23/2001 18:22	
Phenol-d6	31.2	10-110	%	05/23/2001 18:22	
2,4,6-Tribromophenol	70.4	10-123	%	05/23/2001 18:22	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-01.11**

LCS: 2001/05/22-01.11-021 Extracted: 05/22/2001 08:36 Analyzed 05/22/2001 22:37
LCSD: 2001/05/22-01.11-022 Extracted: 05/22/2001 08:36 Analyzed 05/22/2001 23:10

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	1.23	1.10	2.00	2.00	61.5	55.0	11.2	20-90	35		
2-Chlorophenol	1.24	1.09	2.00	2.00	62.0	54.5	12.9	27-123	35		
1,4-Dichlorobenzene	0.569	0.493	1.000	1.000	56.9	49.3	14.3	28-104	30		
N-Nitroso-di-n-propylamin	0.758	0.693	1.000	1.000	75.8	69.3	9.0	25-114	39		
1,2,4-Trichlorobenzene	0.613	0.531	1.000	1.000	61.3	53.1	14.3	38-107	35		
4-Chloro-3-methylphenol	1.43	1.30	2.00	2.00	71.5	65.0	9.5	26-103	33		
Acenaphthene	0.659	0.585	1.000	1.000	65.9	58.5	11.9	49-102	30		
4-Nitrophenol	1.90	1.91	2.00	2.00	95.0	95.5	0.5	17-109	35		
2,4-Dinitrotoluene	0.650	0.622	1.000	1.000	65.0	62.2	4.4	39-139	38		
Pentachlorophenol	1.84	1.77	2.00	2.00	92.0	88.5	3.9	11-114	35		
Pyrene	0.783	0.721	1.000	1.000	78.3	72.1	8.2	25-117	35		
Surrogate(s)											
Nitrobenzene-d5	13.2	11.7	25	25	52.8	46.8		23-120			
2-Fluorobiphenyl	16.2	14.1	25	25	64.8	56.4		30-115			
p-Terphenyl-d14	24.2	23.0	25	25	96.8	92.0		18-137			
2-Fluorophenol	24.0	20.3	50	50	48.0	40.6		25-121			
Phenol-d6	32.0	27.8	50	50	64.0	55.6		24-113			
2,4,6-Tribromophenol	42.4	38.2	50	50	84.8	76.4		19-122			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/23-01.11**

LCS: 2001/05/23-01.11-010 Extracted: 05/23/2001 12:11 Analyzed 05/23/2001 18:56
LCSD: 2001/05/23-01.11-011 Extracted: 05/23/2001 12:11 Analyzed 05/23/2001 19:29

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Phenol	18.4	17.0	60.0	60.0	30.7	28.3	8.1	12-89	35		
2-Chlorophenol	41.3	39.7	60.0	60.0	68.8	66.2	3.9	23-134	25		
1,4-Dichlorobenzene	17.6	17.9	30.0	30.0	58.7	59.7	1.7	36-97	30		
N-Nitroso-di-n-propylamin	25.2	23.6	30.0	30.0	84.0	78.7	6.5	10-130	34		
1,2,4-Trichlorobenzene	19.5	19.2	30.0	30.0	65.0	64.0	1.6	44-142	35		
4-Chloro-3-methylphenol	45.8	45.0	60.0	60.0	76.3	75.0	1.7	22-147	31		
Acenaphthene	21.2	20.4	30.0	30.0	70.7	68.0	3.9	56-118	30		
4-Nitrophenol	22.1	23.0	60.0	60.0	36.8	38.3	4.0	1-51	35		
2,4-Dinitrotoluene	19.6	19.2	30.0	30.0	65.3	64.0	2.0	39-139	35		
Pentachlorophenol	38.8	45.1	60.0	60.0	64.7	75.2	15.0	45-125	35		
Pyrene	27.5	25.9	30.0	30.0	91.7	86.3	6.1	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	20.5	19.4	25	25	82.0	77.6		35-114			
2-Fluorobiphenyl	18.0	17.9	25	25	72.0	71.6		43-116			
p-Terphenyl-d14	30.1	28.3	25	25	120.4	113.2		33-141			
2-Fluorophenol	23.7	22.2	50	50	47.4	44.4		25-100			
Phenol-d6	17.0	16.0	50	50	34.0	32.0		10-110			
2,4,6-Tribromophenol	41.0	42.9	50	50	82.0	85.8		10-123			

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8270C

Prep Method: 3550B/8270C

Batch QC Report

Semi-volatile analysis by GC/MS - EPA8270C

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2001/05/22-01.11**

Sample ID: **KB-7-S-3/3.5** Lab Sample ID: 2001-05-0402-004

MS: 2001/05/22-01.11-023 Extracted: 05/22/2001 08:36 Analyzed: 05/22/2001 23:44 Dilution: 1.0

MSD: 2001/05/22-01.11-024 Extracted: 05/22/2001 08:36 Analyzed: 05/23/2001 00:17 Dilution: 1.0

Compound	Conc. [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Phenol	1.17	1.13	ND	1.98	2.00	59.1	56.5	4.5	20-90	35		
2-Chlorophenol	1.16	1.11	ND	1.98	2.00	58.6	55.5	5.4	27-123	35		
1,4-Dichlorobenzene	0.574	0.537	ND	0.992	0.999	57.9	53.8	7.3	28-104	30		
N-Nitroso-di-n-propylami	0.727	0.724	ND	0.992	0.999	73.3	72.5	1.1	25-114	39		
1,2,4-Trichlorobenzene	0.562	0.535	ND	0.992	0.999	56.7	53.6	5.6	38-107	35		
4-Chloro-3-methylphenol	1.40	1.38	ND	1.98	2.00	70.7	69.0	2.4	26-103	33		
Acenaphthene	0.617	0.609	ND	0.992	0.999	62.2	61.0	1.9	49-102	30		
4-Nitrophenol	1.91	1.86	ND	1.98	2.00	96.5	93.0	3.7	17-109	35		
2,4-Dinitrotoluene	0.624	0.620	ND	0.992	0.999	62.9	62.1	1.3	39-139	38		
Pentachlorophenol	1.75	1.70	ND	1.98	2.00	88.4	85.0	3.9	11-114	35		
Pyrene	0.702	0.706	ND	0.992	0.999	70.8	70.7	0.1	25-117	35		
Surrogate(s)												
Nitrobenzene-d5	13.2	12.0		25	25	52.8	48.0		23-120			
2-Fluorobiphenyl	15.2	14.4		25	25	60.8	57.6		30-115			
p-Terphenyl-d14	21.8	21.5		25	25	87.2	86.0		18-137			
2-Fluorophenol	24.6	22.8		50	50	49.2	45.6		25-121			
Phenol-d6	31.5	29.2		50	50	63.0	58.4		24-113			
2,4,6-Tribromophenol	41.8	40.0		50	50	83.6	80.0		19-122			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

Legend & Notes

Semi-volatile analysis by GC/MS - EPA8270C

QC Compound Flags

b

Analyte was found in the method blank at a concentration greater than the reporting limit.

Analysis Flags

lrn

Reporting limits raised due to high level of non-target analyte materials.

sdo

Surrogate(s) diluted out

Analyte Flags

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

Diesel

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00
Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-13-W	Water	05/18/2001 08:30	2
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-23-W	Water	05/18/2001 10:30	5
KB-22-S-0.5/1.0	Soil	05/18/2001 10:50	7
KB-22-W	Water	05/18/2001 11:20	8
KB-5A-S-3/3.5	Soil	05/18/2001 11:10	9
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-6A-S-3/3.5	Soil	05/18/2001 10:55	11
KB-18-S-0/0.5	Soil	05/18/2001 14:06	13
KB-8-W	Water	05/18/2001 14:40	14
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	17
KB-1-WA	Water	05/18/2001 11:50	19
KB-11-S-0/0.5	Soil	05/18/2001 12:15	20
KB-20-S-3/3.5	Soil	05/18/2001 13:05	23
KB-20-S-0/0.5	Soil	05/18/2001 13:05	24
KB-14-S-3/3.5	Soil	05/18/2001 13:05	25
KB-17-S-3/3.5	Soil	05/18/2001 13:25	26
KB-16-S-2/2.5	Soil	05/18/2001 13:30	28
KB-3-S-3/3.5	Soil	05/17/2001 12:35	29
KB-8-S-2/2.5	Soil	05/17/2001 13:30	30

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-13-W**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 08:30
Matrix: Water

Lab Sample ID: **2001-05-0402-002**
Received: 05/18/2001 17:45

Extracted: 05/23/2001 09:16
QC-Batch: 2001/05/23-02.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7500	500	ug/L	10.00	05/25/2001 11:39	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	05/25/2001 11:39	sd

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-7-S-3/3.5**	Lab Sample ID:	**2001-05-0402-004**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 07:52
Sampled:	05/18/2001 09:25	QC-Batch:	2001/05/24-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 09:30	
Surrogate(s)						
o-Terphenyl	84.7	60-130	%	1.00	05/25/2001 09:30	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-23-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:30
Matrix: Water

Lab Sample ID: **2001-05-0402-005**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 09:16
QC-Batch: 2001/05/23-02.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	590	71	ug/L	1.43	05/25/2001 13:39	ndp
Surrogate(s)						
o-Terphenyl	101.5	60-130	%	1.43	05/25/2001 13:39	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-22-S-0.5/1.0**	Lab Sample ID:	**2001-05-0402-007**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 07:52
Sampled:	05/18/2001 10:50	QC-Batch:	2001/05/24-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.2	1.0	mg/Kg	1.00	05/25/2001 12:01	ldr
Surrogate(s)						
o-Terphenyl	95.0	60-130	%	1.00	05/25/2001 12:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-22-W**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 11:20
Matrix: Water

Lab Sample ID: **2001-05-0402-008**
Received: 05/18/2001 17:45

Extracted: 05/23/2001 09:16
QC-Batch: 2001/05/23-02.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	65	60	ug/L	1.19	05/25/2001 10:46	ndp
Surrogate(s)						
o-Terphenyl	91.3	60-130	%	1.19	05/25/2001 10:46	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-5A-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:10
Matrix: Soil

Lab Sample ID: **2001-05-0402-009**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.3	1.0	mg/Kg	1.00	05/25/2001 12:02	ndp
Surrogate(s)						
o-Terphenyl	85.0	60-130	%	1.00	05/25/2001 12:02	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2500	100	mg/Kg	100.00	05/25/2001 13:55	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	100.00	05/25/2001 13:55	sd

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-6A-S-3/3.5**	Lab Sample ID:	**2001-05-0402-011**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 07:52
Sampled:	05/18/2001 10:55	QC-Batch:	2001/05/24-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 10:46	
Surrogate(s)						
o-Terphenyl	91.8	60-130	%	1.00	05/25/2001 10:46	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-18-S-0/0.5**
Lab Sample ID: **2001-05-0402-013**

Project: 000128.00
901 Embarcado

Received: 05/18/2001 17:45

Extracted: 05/24/2001 07:52

Sampled: 05/18/2001 14:06
QC-Batch: 2001/05/24-01.10

Matrix: Soil

Sample/Analysis Flag o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	270	10	mg/Kg	10.00	05/25/2001 11:45	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	05/25/2001 11:45	sd

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-8-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:40
Matrix: Water

Lab Sample ID: **2001-05-0402-014**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 09:16
QC-Batch: 2001/05/23-02.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	140	93	ug/L	1.85	05/24/2001 12:09	ndp
Surrogate(s)						
o-Terphenyl	77.2	60-130	%	1.85	05/24/2001 12:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-05-0402-017**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	55	10	mg/Kg	10.00	05/25/2001 13:15	ndp
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	05/25/2001 13:15	sd

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-1-WA**	Lab Sample ID:	**2001-05-0402-019**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 09:16
Sampled:	05/18/2001 11:50	QC-Batch:	2001/05/23-02.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	05/24/2001 11:31	
Surrogate(s)						
o-Terphenyl	76.1	60-130	%	1.00	05/24/2001 11:31	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45

Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7.8	1.0	mg/Kg	1.00	05/25/2001 12:01	ldr
Surrogate(s)						
o-Terphenyl	94.3	60-130	%	1.00	05/25/2001 12:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-20-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-023**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 10:08	
Surrogate(s)						
o-Terphenyl	84.4	60-130	%	1.00	05/25/2001 10:08	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-20-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-024**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	9.0	1.0	mg/Kg	1.00	05/25/2001 11:24	ndp
Surrogate(s)						
o-Terphenyl	97.4	60-130	%	1.00	05/25/2001 11:24	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID:	**KB-14-S-3/3.5**	Lab Sample ID:	**2001-05-0402-025**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 07:52
Sampled:	05/18/2001 13:05	QC-Batch:	2001/05/24-01.10
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4.5	1.0	mg/Kg	1.00	05/25/2001 11:24	ndp
Surrogate(s)						
o-Terphenyl	87.1	60-130	%	1.00	05/25/2001 11:24	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-17-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-026**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	05/25/2001 12:22	ndp
Surrogate(s)						
o-Terphenyl	71.2	60-130	%	1.00	05/25/2001 12:22	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-16-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-028**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 12:50	
Surrogate(s)						
o-Terphenyl	77.2	60-130	%	1.00	05/25/2001 12:50	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-3-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/17/2001 12:35
Matrix: Soil

Lab Sample ID: **2001-05-0402-029**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 10:08	
Surrogate(s)						
o-Terphenyl	86.2	60-130	%	1.00	05/25/2001 10:08	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Diesel

Sample ID: **KB-8-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/17/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-030**
Received: 05/18/2001 17:45
Extracted: 05/24/2001 07:52
QC-Batch: 2001/05/24-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/25/2001 09:30	
Surrogate(s)						
o-Terphenyl	90.4	60-130	%	1.00	05/25/2001 09:30	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2001/05/23-02.10**

MB: 2001/05/23-02.10-001 | Date Extracted: 05/23/2001 09:16

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	05/24/2001 07:31	
Surrogate(s)					
o-Terphenyl	82.0	60-130	%	05/24/2001 07:31	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3550/8015M

Batch QC Report
Diesel

Method Blank | **Soil** | **QC Batch # 2001/05/24-01.10**

MB: 2001/05/24-01.10-001 | Date Extracted: 05/24/2001 07:52

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	1	mg/Kg	05/25/2001 10:56	
Surrogate(s)					
o-Terphenyl	87.0	60-130	%	05/25/2001 10:56	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/23-02.10**

LCS: 2001/05/23-02.10-002 Extracted: 05/23/2001 09:16 Analyzed 05/24/2001 06:04
LCSD: 2001/05/23-02.10-003 Extracted: 05/23/2001 09:16 Analyzed 05/24/2001 06:48

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	886	841	1250	1250	70.9	67.3	5.2	60-130	25		
Surrogate(s)											
o-Terphenyl	19.7	18.9	20.0	20.0	98.5	94.5		60-130			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8015M

Prep Method: 3550/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/24-01.10**

LCS: 2001/05/24-01.10-002 Extracted: 05/24/2001 07:52 Analyzed 05/25/2001 09:30

LCSD: 2001/05/24-01.10-003 Extracted: 05/24/2001 07:52 Analyzed 05/25/2001 10:13

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	36.1	36.0	41.7	41.7	86.6	86.3	0.3	60-130	25		
Surrogate(s)											
o-Terphenyl	22.9	23.1	20.0	20.0	114.5	115.5		60-130			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

Legend & Notes

Diesel

Analysis Flags

o
Reporting limits were raised due to high level of analyte present in the sample.

rl
Reporting limits raised due to reduced sample size.

Analyte Flags

ldr
Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

ndp
Hydrocarbon reported does not match the pattern of our Diesel standard

sd
Surrogate recovery not reportable due to required dilution.

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-05-0402

Gas/BTEX

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00
Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-6A-S-3/3.5	Soil	05/18/2001 10:55	11
KB-17-S-3/3.5	Soil	05/18/2001 13:25	26

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID: **KB-7-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-004**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 23:31
QC-Batch: 2001/05/23-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/23/2001 23:31	
Benzene	ND	0.0050	mg/Kg	1.00	05/23/2001 23:31	
Toluene	ND	0.0050	mg/Kg	1.00	05/23/2001 23:31	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/23/2001 23:31	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/23/2001 23:31	
Surrogate(s)						
Trifluorotoluene	71.8	53-125	%	1.00	05/23/2001 23:31	
4-Bromofluorobenzene-FID	69.9	58-124	%	1.00	05/23/2001 23:31	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**KB-7-S-0/0.5**	Lab Sample ID:	**2001-05-0402-010**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 00:02
Sampled:	05/18/2001 11:25	QC-Batch:	2001/05/23-01.02
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/24/2001 00:02	
Benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 00:02	
Toluene	ND	0.0050	mg/Kg	1.00	05/24/2001 00:02	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 00:02	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/24/2001 00:02	
Surrogate(s)						
Trifluorotoluene	22.8	53-125	%	1.00	05/24/2001 00:02	sl
Trifluorotoluene-FID	28.7	53-125	%	1.00	05/24/2001 00:02	sl

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID: **KB-6A-S-3/3.5**

Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 10:55

Matrix: Soil

Lab Sample ID: **2001-05-0402-011**

Received: 05/18/2001 17:45

Extracted: 05/24/2001 01:05

QC-Batch: 2001/05/23-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/24/2001 01:05	
Benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 01:05	
Toluene	ND	0.0050	mg/Kg	1.00	05/24/2001 01:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 01:05	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/24/2001 01:05	
Surrogate(s)						
Trifluorotoluene	71.8	53-125	%	1.00	05/24/2001 01:05	
4-Bromofluorobenzene-FID	63.5	58-124	%	1.00	05/24/2001 01:05	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**KB-17-S-3/3.5**	Lab Sample ID:	**2001-05-0402-026**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/24/2001 16:58
Sampled:	05/18/2001 13:25	QC-Batch:	2001/05/24-01.01
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/24/2001 16:58	
Benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 16:58	
Toluene	ND	0.0050	mg/Kg	1.00	05/24/2001 16:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/24/2001 16:58	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/24/2001 16:58	
Surrogate(s)						
Trifluorotoluene	73.2	53-125	%	1.00	05/24/2001 16:58	
Trifluorotoluene-FID	65.6	53-125	%	1.00	05/24/2001 16:58	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Soil** | **QC Batch # 2001/05/23-01.02**

MB: 2001/05/23-01.02-003

Date Extracted: 05/23/2001 08:24

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/23/2001 08:24	
Benzene	ND	0.0050	mg/Kg	05/23/2001 08:24	
Toluene	ND	0.0050	mg/Kg	05/23/2001 08:24	
Ethyl benzene	ND	0.0050	mg/Kg	05/23/2001 08:24	
Xylene(s)	ND	0.0050	mg/Kg	05/23/2001 08:24	
Surrogate(s)					
Trifluorotoluene	112.2	53-125	%	05/23/2001 08:24	
4-Bromofluorobenzene-FID	96.8	58-124	%	05/23/2001 08:24	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Soil** | **QC Batch # 2001/05/24-01.01**

MB: 2001/05/24-01.01-003

Date Extracted: 05/24/2001 08:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/24/2001 08:38	
Benzene	ND	0.0050	mg/Kg	05/24/2001 08:38	
Toluene	ND	0.0050	mg/Kg	05/24/2001 08:38	
Ethyl benzene	ND	0.0050	mg/Kg	05/24/2001 08:38	
Xylene(s)	ND	0.0050	mg/Kg	05/24/2001 08:38	
Surrogate(s)					
Trifluorotoluene	99.6	53-125	%	05/24/2001 08:38	
4-Bromofluorobenzene-FID	68.4	58-124	%	05/24/2001 08:38	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-01.02**

LCS: 2001/05/23-01.02-004 Extracted: 05/23/2001 08:56 Analyzed 05/23/2001 08:56

LCSD: 2001/05/23-01.02-005 Extracted: 05/23/2001 09:27 Analyzed 05/23/2001 09:27

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	0.0967	0.0962	0.1000	0.1000	96.7	96.2	0.5	77-123	35		
Toluene	0.0978	0.0968	0.1000	0.1000	97.8	96.8	1.0	78-122	35		
Ethyl benzene	0.0955	0.0946	0.1000	0.1000	95.5	94.6	0.9	70-130	35		
Xylene(s)	0.275	0.273	0.300	0.300	91.7	91.0	0.8	75-125	35		
Surrogate(s)											
Trifluorotoluene	535	519	500	500	107.0	103.8		53-125			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-01.02**

LCS: 2001/05/23-01.02-006 Extracted: 05/23/2001 09:59 Analyzed 05/23/2001 09:59

LCSD: 2001/05/23-01.02-007 Extracted: 05/23/2001 10:30 Analyzed 05/23/2001 10:30

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	0.388	0.438	0.500	0.500	77.6	87.6	12.1	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene-FI	427	475	500	500	85.4	95.0		58-124			

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/24-01.01**

LCS: 2001/05/24-01.01-004 Extracted: 05/24/2001 09:10 Analyzed 05/24/2001 09:10
LCSD: 2001/05/24-01.01-005 Extracted: 05/24/2001 09:43 Analyzed 05/24/2001 09:43

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	0.108	0.110	0.1000	0.1000	108.0	110.0	1.8	77-123	35		
Toluene	0.109	0.111	0.1000	0.1000	109.0	111.0	1.8	78-122	35		
Ethyl benzene	0.108	0.111	0.100	0.1000	108.0	111.0	2.7	70-130	35		
Xylene(s)	0.321	0.330	0.300	0.300	107.0	110.0	2.8	75-125	35		
Surrogate(s)											
Trifluorotoluene	589	597	500	500	117.8	119.4		53-125			

To: **Kennedy/Jenks-San Francisco**

Test Method: 8015M
8020

Attn: Meredith Durant

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/24-01.01**

LCS: 2001/05/24-01.01-010 Extracted: 05/24/2001 12:40 Analyzed 05/24/2001 12:40

LCSD: 2001/05/24-01.01-007 Extracted: 05/24/2001 10:48 Analyzed 05/24/2001 10:48

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	0.516	0.489	0.500	0.500	103.2	97.8	5.4	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene-FI	383	359	500	500	76.6	71.8		58-124			

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Gas/BTEX

Analyte Flags

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

Metals

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-1-W	Water	05/18/2001 08:10	1
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-22-S-0.5/1.0	Soil	05/18/2001 10:50	7
KB-22-W	Water	05/18/2001 11:20	8
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-19-S-0/0.5	Soil	05/18/2001 13:50	12
KB-18-S-0/0.5	Soil	05/18/2001 14:06	13
KB-9-S-0/0.5	Soil	05/18/2001 14:50	15
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	17
KB-2-S-0/0.5,SS-1	Soil	05/18/2001 15:55	18
KB-11-S-0/0.5	Soil	05/18/2001 12:15	20
KB-12-S-0/0.5	Soil	05/18/2001 12:00	21
KB-13-WA	Water	05/18/2001 12:30	22
KB-20-S-3/3.5	Soil	05/18/2001 13:05	23
KB-20-S-0/0.5	Soil	05/18/2001 13:05	24
KB-21-S-0/0.5	Soil	05/18/2001 13:25	27
KB-16-S-2/2.5	Soil	05/18/2001 13:30	28

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-1-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 08:10
Matrix: Water

Lab Sample ID: **2001-05-0402-001**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 06:02
QC-Batch: 2001/05/22-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	1.00	05/22/2001 12:34	
Chromium	0.058	0.0050	mg/L	1.00	05/22/2001 12:34	
Lead	0.014	0.0050	mg/L	1.00	05/22/2001 12:34	
Nickel	0.069	0.0050	mg/L	1.00	05/22/2001 12:34	
Zinc	0.067	0.010	mg/L	1.00	05/22/2001 12:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-7-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-004**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	05/23/2001 11:37	
Chromium	24	1.0	mg/Kg	1.00	05/23/2001 11:37	
Lead	3.5	1.0	mg/Kg	1.00	05/23/2001 11:37	
Nickel	23	1.0	mg/Kg	1.00	05/23/2001 11:37	
Zinc	12	1.0	mg/Kg	1.00	05/23/2001 11:37	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-22-S-0.5/1.0**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:50
Matrix: Soil

Lab Sample ID: **2001-05-0402-007**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	1.00	05/23/2001 11:41	
Chromium	12	1.0	mg/Kg	1.00	05/23/2001 11:41	
Lead	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Nickel	13	1.0	mg/Kg	1.00	05/23/2001 11:41	
Zinc	3.5	1.0	mg/Kg	1.00	05/23/2001 11:41	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-22-W**	Lab Sample ID:	**2001-05-0402-008**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 06:02
Sampled:	05/18/2001 11:20	QC-Batch:	2001/05/22-03.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.012	0.0020	mg/L	1.00	05/22/2001 12:38	
Chromium	0.42	0.0050	mg/L	1.00	05/22/2001 12:38	
Lead	0.24	0.0050	mg/L	1.00	05/22/2001 12:38	
Nickel	0.40	0.0050	mg/L	1.00	05/22/2001 12:38	
Zinc	0.32	0.010	mg/L	1.00	05/22/2001 12:38	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-7-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-010**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	2.5	0.50	mg/Kg	1.00	05/23/2001 11:44	
Chromium	45	1.0	mg/Kg	1.00	05/23/2001 11:44	
Lead	170	1.0	mg/Kg	1.00	05/23/2001 11:44	
Nickel	87	1.0	mg/Kg	1.00	05/23/2001 11:44	
Zinc	700	1.0	mg/Kg	1.00	05/23/2001 11:44	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-19-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:50
Matrix: Soil

Lab Sample ID: **2001-05-0402-012**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	2.3	0.50	mg/Kg	1.00	05/23/2001 11:48	
Chromium	33	1.0	mg/Kg	1.00	05/23/2001 11:48	
Lead	130	1.0	mg/Kg	1.00	05/23/2001 11:48	
Nickel	30	1.0	mg/Kg	1.00	05/23/2001 11:48	
Zinc	140	1.0	mg/Kg	1.00	05/23/2001 11:48	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-18-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:06
Matrix: Soil

Lab Sample ID: **2001-05-0402-013**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	1.9	0.50	mg/Kg	1.00	05/23/2001 11:51	
Chromium	19	1.0	mg/Kg	1.00	05/23/2001 11:51	
Lead	34	1.0	mg/Kg	1.00	05/23/2001 11:51	
Nickel	19	1.0	mg/Kg	1.00	05/23/2001 11:51	
Zinc	67	1.0	mg/Kg	1.00	05/23/2001 11:51	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-9-S-0/0.5**	Lab Sample ID:	**2001-05-0402-015**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 07:58
Sampled:	05/18/2001 14:50	QC-Batch:	2001/05/23-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.63	0.50	mg/Kg	1.00	05/23/2001 11:54	
Chromium	40	1.0	mg/Kg	1.00	05/23/2001 11:54	
Lead	110	1.0	mg/Kg	1.00	05/23/2001 11:54	
Nickel	57	1.0	mg/Kg	1.00	05/23/2001 11:54	
Zinc	75	1.0	mg/Kg	1.00	05/23/2001 11:54	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-05-0402-017**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	1.4	0.50	mg/Kg	1.00	05/23/2001 11:57	
Chromium	12	1.0	mg/Kg	1.00	05/23/2001 11:57	
Lead	72	1.0	mg/Kg	1.00	05/23/2001 11:57	
Nickel	12	1.0	mg/Kg	1.00	05/23/2001 11:57	
Zinc	120	1.0	mg/Kg	1.00	05/23/2001 11:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-2-S-0/0.5,SS-1**
Lab Sample ID: **2001-05-0402-018**

Project: 000128.00
901 Embarcado

Received: 05/18/2001 17:45

Extracted: 05/23/2001 07:58

Sampled: 05/18/2001 15:55

QC-Batch: 2001/05/23-04.15

Matrix: Soil

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	2.7	0.50	mg/Kg	1.00	05/23/2001 12:00	
Chromium	50	1.0	mg/Kg	1.00	05/23/2001 12:00	
Lead	240	1.0	mg/Kg	1.00	05/23/2001 12:00	
Nickel	42	1.0	mg/Kg	1.00	05/23/2001 12:00	
Zinc	750	1.0	mg/Kg	1.00	05/23/2001 12:00	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.87	0.50	mg/Kg	1.00	05/23/2001 12:03	
Chromium	36	1.0	mg/Kg	1.00	05/23/2001 12:03	
Lead	49	1.0	mg/Kg	1.00	05/23/2001 12:03	
Nickel	27	1.0	mg/Kg	1.00	05/23/2001 12:03	
Zinc	45	1.0	mg/Kg	1.00	05/23/2001 12:03	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-05-0402-021**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 12:26
QC-Batch: 2001/05/23-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.95	0.50	mg/Kg	1.00	05/24/2001 12:27	
Chromium	26	1.0	mg/Kg	1.00	05/24/2001 12:27	
Lead	12	1.0	mg/Kg	1.00	05/24/2001 12:27	
Nickel	31	1.0	mg/Kg	1.00	05/24/2001 12:27	
Zinc	32	1.0	mg/Kg	1.00	05/24/2001 12:27	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-13-WA**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:30
Matrix: Water

Lab Sample ID: **2001-05-0402-022**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 06:02
QC-Batch: 2001/05/22-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.036	0.0020	mg/L	1.00	05/22/2001 12:42	
Chromium	1.3	0.0050	mg/L	1.00	05/22/2001 12:42	
Lead	0.60	0.0050	mg/L	1.00	05/22/2001 12:42	
Nickel	1.5	0.0050	mg/L	1.00	05/22/2001 12:42	
Zinc	0.99	0.010	mg/L	1.00	05/22/2001 12:42	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-20-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:05
Matrix: Soil

Lab Sample ID: **2001-05-0402-023**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 12:26
QC-Batch: 2001/05/23-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.56	0.50	mg/Kg	1.00	05/24/2001 12:41	
Chromium	20	1.0	mg/Kg	1.00	05/24/2001 12:41	
Lead	2.4	1.0	mg/Kg	1.00	05/24/2001 12:41	
Nickel	21	1.0	mg/Kg	1.00	05/24/2001 12:41	
Zinc	12	1.0	mg/Kg	1.00	05/24/2001 12:41	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-20-S-0/0.5**	Lab Sample ID:	**2001-05-0402-024**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:26
Sampled:	05/18/2001 13:05	QC-Batch:	2001/05/23-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	1.4	0.50	mg/Kg	1.00	05/24/2001 12:57	
Chromium	28	1.0	mg/Kg	1.00	05/24/2001 12:57	
Lead	32	1.0	mg/Kg	1.00	05/24/2001 12:57	
Nickel	28	1.0	mg/Kg	1.00	05/24/2001 12:57	
Zinc	59	1.0	mg/Kg	1.00	05/24/2001 12:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-21-S-0/0.5**
Lab Sample ID: **2001-05-0402-027**

Project: 000128.00
901 Embarcado

Received: 05/18/2001 17:45

Extracted: 05/23/2001 12:26

Sampled: 05/18/2001 13:25

QC-Batch: 2001/05/23-05.15

Matrix: Soil

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	1.6	0.50	mg/Kg	1.00	05/24/2001 13:02	
Chromium	22	1.0	mg/Kg	1.00	05/24/2001 13:02	
Lead	54	1.0	mg/Kg	1.00	05/24/2001 13:02	
Nickel	14	1.0	mg/Kg	1.00	05/24/2001 13:02	
Zinc	64	1.0	mg/Kg	1.00	05/24/2001 13:02	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-16-S-2/2.5**	Lab Sample ID:	**2001-05-0402-028**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:26
Sampled:	05/18/2001 13:30	QC-Batch:	2001/05/23-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Cadmium	0.82	0.50	mg/Kg	1.00	05/24/2001 13:08	
Chromium	31	1.0	mg/Kg	1.00	05/24/2001 13:08	
Lead	17	1.0	mg/Kg	1.00	05/24/2001 13:08	
Nickel	42	1.0	mg/Kg	1.00	05/24/2001 13:08	
Zinc	27	1.0	mg/Kg	1.00	05/24/2001 13:08	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A

Batch QC Report
Metals

Method Blank | **Water** | **QC Batch # 2001/05/22-03.15**

MB: 2001/05/22-03.15-030 | Date Extracted: 05/22/2001 06:02

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.0020	mg/L	05/22/2001 10:40	
Chromium	ND	0.0050	mg/L	05/22/2001 10:40	
Lead	ND	0.0050	mg/L	05/22/2001 10:40	
Nickel	ND	0.0050	mg/L	05/22/2001 10:40	
Zinc	ND	0.010	mg/L	05/22/2001 10:40	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/05/23-04.15**

MB: 2001/05/23-04.15-030 | Date Extracted: 05/23/2001 07:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	05/23/2001 09:49	
Chromium	ND	1.0	mg/Kg	05/23/2001 09:49	
Lead	ND	1.0	mg/Kg	05/23/2001 09:49	
Nickel	ND	1.0	mg/Kg	05/23/2001 09:49	
Zinc	ND	1.0	mg/Kg	05/23/2001 09:49	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/05/23-05.15**

MB: 2001/05/23-05.15-049 | Date Extracted: 05/23/2001 12:26

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	05/24/2001 12:08	
Chromium	ND	1.0	mg/Kg	05/24/2001 12:08	
Lead	ND	1.0	mg/Kg	05/24/2001 12:08	
Nickel	ND	1.0	mg/Kg	05/24/2001 12:08	
Zinc	ND	1.0	mg/Kg	05/24/2001 12:08	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 6010B
Prep Method: 3010A

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/22-03.15**

LCS: 2001/05/22-03.15-031 Extracted: 05/22/2001 06:02 Analyzed 05/22/2001 10:45
LCSD: 2001/05/22-03.15-032 Extracted: 05/22/2001 06:02 Analyzed 05/22/2001 10:49

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	0.488	0.469	0.500	0.500	97.6	93.8	4.0	80-120	20		
Chromium	0.493	0.476	0.500	0.500	98.6	95.2	3.5	80-120	20		
Lead	0.493	0.472	0.500	0.500	98.6	94.4	4.4	80-120	20		
Nickel	0.493	0.476	0.500	0.500	98.6	95.2	3.5	80-120	20		
Zinc	0.486	0.467	0.500	0.500	97.2	93.4	4.0	80-120	20		

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-04.15**

LCS: 2001/05/23-04.15-031 Extracted: 05/23/2001 07:58 Analyzed 05/23/2001 09:53

LCSD: 2001/05/23-04.15-032 Extracted: 05/23/2001 07:58 Analyzed 05/23/2001 09:57

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	93.8	91.3	100.0	100.0	93.8	91.3	2.7	80-120	20		
Chromium	95.6	93.3	100.0	100.0	95.6	93.3	2.4	80-120	20		
Lead	95.3	94.1	100.0	100.0	95.3	94.1	1.3	80-120	20		
Nickel	93.8	91.6	100.0	100.0	93.8	91.6	2.4	80-120	20		
Zinc	94.6	91.5	100.0	100.0	94.6	91.5	3.3	80-120	20		

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-05.15**

LCS: 2001/05/23-05.15-050 Extracted: 05/23/2001 12:26 Analyzed 05/24/2001 12:12
LCSD: 2001/05/23-05.15-051 Extracted: 05/23/2001 12:26 Analyzed 05/24/2001 12:16

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Cadmium	91.5	92.3	100.0	100.0	91.5	92.3	0.9	80-120	20		
Chromium	92.8	93.6	100.0	100.0	92.8	93.6	0.9	80-120	20		
Lead	91.9	93.1	100.0	100.0	91.9	93.1	1.3	80-120	20		
Nickel	92.0	93.0	100.0	100.0	92.0	93.0	1.1	80-120	20		
Zinc	91.7	92.4	100.0	100.0	91.7	92.4	0.8	80-120	20		

PCBs

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-2-S-0/0.5,SS-1	Soil	05/18/2001 15:55	18

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

PCBs

Sample ID: **KB-2-S-0/0.5,SS-1**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-018**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:17
QC-Batch: 2001/05/23-01.14

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1221	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1232	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1242	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1248	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1254	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Aroclor 1260	ND	0.050	mg/Kg	1.00	05/23/2001 19:21	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	73.1	50-125	%	1.00	05/23/2001 19:21	
Decachlorobiphenyl (PCB/8082)	77.6	46-142	%	1.00	05/23/2001 19:21	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report
PCBs

Method Blank | **Soil** | **QC Batch # 2001/05/23-01.14**

MB: 2001/05/23-01.14-001 | Date Extracted: 05/23/2001 07:17

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1221	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1232	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1242	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1248	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1254	ND	0.05	mg/Kg	05/23/2001 16:44	
Aroclor 1260	ND	0.05	mg/Kg	05/23/2001 16:44	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	87.6	50-125	%	05/23/2001 16:44	
Decachlorobiphenyl (PCB/8082)	91.4	46-142	%	05/23/2001 16:44	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-01.14**

LCS: 2001/05/23-01.14-002 Extracted: 05/23/2001 07:17 Analyzed 05/23/2001 17:10
LCSD: 2001/05/23-01.14-003 Extracted: 05/23/2001 07:17 Analyzed 05/23/2001 17:36

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	0.0656	0.0599	0.0667	0.0667	98.4	89.8	9.1	65-135	30		
Aroclor 1260	0.0641	0.0684	0.0667	0.0667	96.1	102.5	6.4	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	43.8	46.3	50	50	87.6	92.6		50-125			
Decachlorobiphenyl	44.6	46.2	50	50	89.2	92.4		46-142			

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-7-S-3/3.5**	Lab Sample ID:	**2001-05-0402-004**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 14:00
Sampled:	05/18/2001 09:25	QC-Batch:	2001/05/22-01.22
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.1	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-22-S-0.5/1.0**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 10:50
Matrix: Soil

Lab Sample ID: **2001-05-0402-007**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.4	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-22-W**	Lab Sample ID:	**2001-05-0402-008**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/18/2001
Sampled:	05/18/2001 11:20	QC-Batch:	2001/05/18-02.22
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.4	0.0	SU	1.00	05/18/2001	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-8-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:40
Matrix: Water

Lab Sample ID: **2001-05-0402-014**
Received: 05/18/2001 17:45
Extracted: 05/18/2001
QC-Batch: 2001/05/18-02.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.6	0.0	SU	1.00	05/18/2001	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-9-S-0/0.5**	Lab Sample ID:	**2001-05-0402-015**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 14:00
Sampled:	05/18/2001 14:50	QC-Batch:	2001/05/22-01.22
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.1	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-10-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:38
Matrix: Soil

Lab Sample ID: **2001-05-0402-016**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.5	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-2-S-0/0.5,SS-1**	Lab Sample ID:	**2001-05-0402-018**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 14:00
Sampled:	05/18/2001 15:55	QC-Batch:	2001/05/22-01.22
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	6.5	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.5	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-05-0402-021**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.9	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID: **KB-16-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-028**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 14:00
QC-Batch: 2001/05/22-01.22

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.0	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 9045C
9040B

Prep Method: 9040B
9045C

pH

Sample ID:	**KB-8-S-2/2.5**	Lab Sample ID:	**2001-05-0402-030**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 14:00
Sampled:	05/17/2001 13:30	QC-Batch:	2001/05/22-01.22
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	7.4	0.0	SU	1.00	05/22/2001 14:00	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9040B
Prep Method: 9040B

Batch QC Report
pH

Method Blank | **Water** | **QC Batch # 2001/05/18-02.22**

MB: 2001/05/18-02.22-001 | Date Extracted: 05/18/2001

Compound	Result	Rep.Limit	Units	Analyzed	Flag
pH	7.08		SU	05/18/2001	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9045C
Prep Method: 9045C

Batch QC Report
pH

Method Blank | **Soil** | **QC Batch # 2001/05/22-01.22**

MB: 2001/05/22-01.22-001

Date Extracted: 05/22/2001 14:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
pH	7.03		SU	05/22/2001 14:00	

CHROMALAB

Change request received by: Surinder Sidhu Date Requested: 05/21/07

SAMPLE STATUS CHANGE FORM

Submission#	Client Samp.ID	Old Status Description	Description of Changes	Requested by (Client's name)
2001-05-0402'	KB-13-W9'	Diesel / metals	No Diesel only Metals	M. Re. McLeod
	KB-3-S-3/25	Was not listed on COC	VOC 8260 TPH Diesel	
	KB-8-S-2/25		VOC 8260 Diesel PH.	

Changes were done in lims by(login): Sidhu On: 05/21/07

CC: ___ Lab.Director ___ Dept.manager ___ Analyst ___ Proj.Manager

59375

Kennedy/Jenks Consultants

□ 200 New Stine Road, #115, Bakersfield, CA 93309
□ 530 South 338th Street, Federal Way, WA 98003
□ 2151 Michelson Drive, #100, Irvine, CA 92612-1311
□ 2[illegible] Bayshore Rd., #200, Palo Alto, CA 94303
□ 2828 SW Naito Parkway, #350, Portland, OR 97201
□ 5190 Neil Road, #300, Reno, NV 89502
□ 3336 Bradshaw Road, #140, Sacramento, CA 95827
□ 1622 Folsom St., San Francisco, CA 94107
□ 1000 Hill Road, #200, Ventura, CA 93003

Sample Chain-Of-Custody Analysis Request 2001-05-0402

PAGE 1/3

POSSIBLE HAZARDS: Analytes

Date 5/18/01 | Report To Meredith Durant

Source of Samples 901 Embarcadero | Company K/J

Sampler Name M.McLeod/Jason Farrell | Address 622 Folsom S.F.

Phone 415-243-2508 | Phone 415-243-2534

Project No. 000128.00

Lab Destination Chromalab

Address 1220 Quarry Ln Pleasant

Phone 925-484-1919

Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	Time	(2) Type	TYPE Depth	(3) Comp.	(4) Pres.	Turn-around	(5) ANALYSES REQUESTED: VOC's (8260)	SVOCs (8270)	TPHd (8015M)	TPHg/BTEX (8021)	LUFT Metals (6010)	PCB's (8082)	pH	Comment/Conditions (Container type, container number, etc.)
1	KB-1-W	5/18	0810		W	NO	HCl NO	HCl STD	X				X			
2	KB-13-W		0830		"		HCl NO	HCl STD	X	X	X		X			Sheen
3	KB-9-W		0930		"		NO	NO STD	X						X	
4	KB-7-S-3/3.5		0925		S		NO	STD NO	X	X	X	X	X		X	
5	KB-23-W		1030		W		NO	NO STD	X	X	X					
6	KB-23-S-2/2.5		0945		S		NO	STD	X							
7	KB-22-S-0.5/1.0		1050		S		"	"	X		X		X		X	
8	KB-22-W		1120		W		HCl NO	"	X		X		X		X	
9	KB-5A-S-3/3.5		1110		S		NO	"	X		X					
10	KB-7-S-0/0.5		1125		S		No	"	X	X	X	X	X			
11	KB-6A-S-3/3.5	↓	1055		S		No	"	X	X	X	X				

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows. Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time	Print Name	Signature	Company	Date	Time
M. McLeod		K/J	5/18	1645	K. & E. Garrett		Calscience	5-18-01	1645
J. Farrell		K/J	"	"	D. Harrington	D. Harrington	STL-CL	5/18/01	1745

g:\is group\admin\guides\forms\paper\custody2.frm

2001-05-0402

59375

PAGE 3/3 2/3

Kennedy/Jenks Consultants

Sample Chain-Of-Custody Analysis Request

- □ [illegible] New Stine Road, #115, Bakersfield, CA 93309
- □ [illegible] Federal Way, WA 98003
- ☒ 2151 Michelson Drive, #100, Irvine, CA 92612-1311
- □ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
- □ 2828 SW Naito Parkway, #350, Portland, OR 97201
- □ 5190 Neil Road, #300, Reno, NV 89502
- □ 3336 Bradshaw Road, #140, Sacramento, CA 95827
- □ 622 Folsom St., San Francisco, CA 94107
- □ 1000 Hill Road, #200, Ventura, CA 93003

POSSIBLE HAZARDS: Analytes

Date: 5/18/01

Source of Samples: See Page 1

Sampler Name: ↓

Phone:

Project No.:

Report To: See Page 1

Company: ↓

Address:

Phone:

Lab Destination: Chromalab

Address: See Page 1 ↓

Phone:

Carrier/Way Bill No.:

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	COLLECTION Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	VOCs (8260)	SVOCs (8270)	TPH-d (8015M)	TPH-g/BTEX (8020)	WET metals (6000)	PCBs (8082)	pH		Comment/Conditions (Container type, container number, etc.)
12	KB-19-S-0/0.5	5/18	1350	S	See ID	NO	No	STD					X				
13	KB-18-S-0/0.5	↓	1406	S	↓	↓	↓	↓	X		X		X ✓				
14	KB-8-W		1440	W					X		X				X		
15	KB-9-S-0/0.5		1450	S									X		X		
16	KB-10-S-0/0.5		1438	S											X ✓		
17	KB-13A-S-0/0.5		1507	S					X	X	X		X				
18	KB-2-S-0/0.5		1535	S			Y							X			COMPOSITE SAMPLE IN LAB
19	SS-1	5/18	1555	S	0	N				X			X		X		PRIOR TO ANAL.

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY: Print Name	Signature	Company	Date	Time	SAMPLE RECEIVED BY: Print Name	Signature	Company	Date	Time
[signature]	[signature]	K/J	5/18	1145	C. Garrett	[signature]	World	5/18/01	1645
C. Garrett	[signature]	Worldean	↓	↓	D. Harrington	D. Harrington	STL-CL	5/18/01	1745

Kennedy/Jenks Consultants 2001-05-0402 59375

Sample Chain-Of-Custody Analysis Request

□ 5190 Neil Road, #300, Reno, NV 89502
□ 3338 Bradshaw Road, #140, Sacramento, CA 95827
□ 622 Folsom St., San Francisco, CA 94107
□ 1000 Hill Road, #200, Ventura, CA 93003
□ 5300 [illegible] Federal Way, WA 98003
□ 2151 Michelson Drive, #100, Irvine, CA 92612-1311
□ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
□ 2828 SW Naito Parkway, #350, Portland, OR 97201
□ [illegible] Road, #115, Bakersfield, CA 93309

PAGE 3/3

POSSIBLE HAZARDS: Analytes

Date 5/18/01 | Report To Meredith Dumont | Lab Destination Chromalab

Source of Samples 901 Embarcadero | Company K/J | Address 1220 Quarry

Sampler Name M. McLeod / J. Farrell | Address 622 Folsom | Phone

Phone 415-243-2508 | Carrier/Way Bill No. N/A

Project No. 001128.00 | Phone

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) ANALYSES REQUESTED: VOC's (8260)	SVOCs (8270)	TPHd (8015)	TPHg/BTEX (8020)	LUFT metals (6000)	PCBs (8082)	pH	Comment/Conditions (Container type, container number, etc.)
19 ~~20~~	KB-1-W A	5/18	1150	W	See ID	No	No	STD			X					
20 ~~21~~	KB-11-S-0/0.5		1215	S					X	X	X		X		X	
21 ~~22~~	KB-12-S-0/0.5		1200	"					X				X		X	
22 ~~23~~	KB-13-W A		1230	W							X		X			
23 ~~24~~	KB-20-S-3/3.5		1305	S					X		X		X			
24 ~~25~~	KB-20-S-0/0.5		1305	S					X		X		X			
25 ~~26~~	KB-14-S-3/3.5		1305	S							X					
26 ~~27~~	KB-17-S-3/3.5		1325	S							X	X				
27 ~~28~~	KB-21-S-0/0.5		1325	S									X			
28 ~~29~~	KB-16-S-2/2.5		1330	S					X	X	X	~~X~~ NO	X		X	

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
M. McLeod		K/J	5/18	1645
C. Garrett		K/J	"	1645

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
C. Garrett		K/J	5/18	1645
D. Harrington		STL-CL	5/18/01	1745

g:\ie-group\admin\guides\forms\paper\custody2.frm

STL CHROMALAB

Environmental Service (SCB)

Sample Receipt Checklist

Client Name: KJ Date/Time Received: 05/18/01 (Date) 1745 (Time)

Reference/Subm #: 01-05-0402 Received by: DH

Checklist completed by: C Rowley (Signature) 05/21/01 (Date) Reviewed By: _____ (Initial/Date)

Matrix: ☑ Soil ☑ Water ☐ Other _____ Carrier name: Client - C/L - WORLD COURIER

Shipping container/cooler in good condition?	Yes ✓	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present ✓
Custody seals intact on sample bottles?	Yes	No	Not Present ✓
Chain of custody present?	Yes ✓	No	
Chain of custody signed when relinquished and received?	Yes ✓	No	
Chain of custody agrees with sample labels?	Yes	No ✓	
Samples in proper container/bottle?	Yes	No ✓	
Sample containers intact?	Yes ✓	No ✓	
Sufficient sample volume for indicated test?	Yes ✓	No	
All samples received within holding time?	Yes ✓	No	
Container/Temp Blank temperature in compliance?	Temp: 4.5 °C Yes ✓	No	
Water - VOA vials have zero headspace?	No VOA vials submitted	Yes ✓	No

Water - **pH acceptable upon receipt?** ☐ Yes ☐ No ☐ Checked by Voa chemist

☐ **pH adjusted-** Preservative used:
☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc **Lot#(s)** _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: No Amber liter provided for sample ID: KB-13-WA No 250ml poly w/ HNO_3 provided for: KB9-W & KB8-WD (spent off Amber liter in lab)

Corrective Action: Recd 2 Soil samples not listed on C.O.C ID's: KB-3-S-3/3.5 & KB8-S-2/2.5

Run these samples for Diesel, 8260 and PH for KB-8-2-2.5

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Ms. Meredith Durant

Project: 000128.00
901 Embarcadero

Dear Meredith,

Attached is our report for your samples received on Wednesday June 6, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 21, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu

Surinder Sidhu

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0114

Metals

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: 901 Embarcadero

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-22-S-0.5/1.0	Soil	05/18/2001 10:50	1
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	2
KB-11-S-0/0.5	Soil	05/18/2001 12:15	3
KB-12-S-0/0.5	Soil	05/18/2001 12:00	4

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Metals

Sample ID:	**KB-22-S-0.5/1.0**	Lab Sample ID:	**2001-06-0114-001**
Project:	000128.00 901 Embarcadero	Received:	06/06/2001
		Extracted:	06/12/2001 07:33
Sampled:	05/18/2001 10:50	QC-Batch:	2001/06/12-02.16
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mercury	0.26	0.050	mg/Kg	1.00	06/12/2001 12:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Metals

Sample ID: **KB-13A-S-0/0.5**
Project: 000128.00
901 Embarcadero
Sampled: 05/18/2001 15:07
Matrix: Soil

Lab Sample ID: **2001-06-0114-002**
Received: 06/06/2001
Extracted: 06/12/2001 07:33
QC-Batch: 2001/06/12-02.16

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mercury	0.27	0.050	mg/Kg	1.00	06/12/2001 12:06	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Metals

Sample ID:	**KB-11-S-0/0.5**	Lab Sample ID:	**2001-06-0114-003**
Project:	000128.00 901 Embarcadero	Received:	06/06/2001
		Extracted:	06/12/2001 07:33
Sampled:	05/18/2001 12:15	QC-Batch:	2001/06/12-02.16
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mercury	5.6	0.50	mg/Kg	10.00	06/12/2001 13:19	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Metals

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcadero
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-06-0114-004**
Received: 06/06/2001
Extracted: 06/12/2001 07:33
QC-Batch: 2001/06/12-02.16

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Mercury	0.23	0.050	mg/Kg	1.00	06/12/2001 12:09	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Batch QC Report
Metals

Method Blank **Soil** **QC Batch # 2001/06/12-02.16**

MB: 2001/06/12-02.16-025 Date Extracted: 06/12/2001 07:33

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	06/12/2001 11:59	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/12-02.16**

LCS: 2001/06/12-02.16-026 Extracted: 06/12/2001 07:33 Analyzed 06/12/2001 12:00
LCSD: 2001/06/12-02.16-029 Extracted: 06/12/2001 07:33 Analyzed 06/12/2001 12:04

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Mercury	0.516	0.515	0.500	0.500	103.2	103.0	0.2	85-115	20		

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

ADD ON/CHANGE ORDER

New Submission No: 39699

Order No:

2001-06-0114

Name of Caller: Meredith Duant

Call Date: 06/06/01 Time:

Add on Due Date: 06/13/01 Date Sampled

Comments:

Original Submission Info

Client Name: Kennedy Jenks

Project Mgr: Meredith Duant

Project Name: 901 Embarcadero

Project No: 000128.00

PO#:

Date Received: 05/18/2001

Submission No: 2001-05-0402.

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.
KB-22-S-0.5/1.0 #7	5/18	10:50	Soil	
KB-13A-S-0/0.5 #17	5/18	15:07	Soil	
KB-11-S-0/0.5 #20	5/18	12:15	↓	
KB-12-S-0/0.5 #21	5/18	12:40	↓	

ANALYSIS REPORT

TPH-(EPA 8015,8020) ☐ Gas w/ ☐ BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	Oil & Grease ☐ Petrol ☐ Total ☐ 1664		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for 1320)	Hg only			NUMBER OF CONTAINERS
																	X			
																	X			
																	X			
																	X			

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-06-0115
Date: June 13, 2001

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Ms. Meredith Durant

Project: 00128.01
901 Embarcadero

Dear Meredith,

Attached is our report for your samples received on Wednesday June 6, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 21, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu

Surinder Sidhu

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0115

CAM 17 Metals

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 00128.01

Project: 901 Embarcadero

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SS-1	Soil	05/18/2001 15:55	2

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B
7471A

Prep Method: 3050B
7471A

CAM 17 Metals

Sample ID: **SS-1**

Project: 00128.01
901 Embarcadero

Sampled: 05/18/2001 15:55

Matrix: Soil

Lab Sample ID: **2001-06-0115-002**

Received: 06/06/2001

Extracted: 06/11/2001 10:36

QC-Batch: 2001/06/11-06.15
2001/06/12-06.16

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	06/11/2001 17:41	
Arsenic	1.3	1.0	mg/Kg	1.00	06/11/2001 17:41	
Barium	46	1.0	mg/Kg	1.00	06/11/2001 17:41	
Beryllium	ND	0.50	mg/Kg	1.00	06/11/2001 17:41	
Cadmium	ND	0.50	mg/Kg	1.00	06/11/2001 17:41	
Chromium	130	1.0	mg/Kg	1.00	06/11/2001 17:41	
Cobalt	5.9	1.0	mg/Kg	1.00	06/11/2001 17:41	
Copper	310	1.0	mg/Kg	1.00	06/11/2001 17:41	
Lead	87	1.0	mg/Kg	1.00	06/11/2001 17:41	
Molybdenum	ND	1.0	mg/Kg	1.00	06/11/2001 17:41	
Nickel	22	1.0	mg/Kg	1.00	06/11/2001 17:41	
Selenium	4.7	2.0	mg/Kg	1.00	06/11/2001 17:41	
Silver	ND	1.0	mg/Kg	1.00	06/11/2001 17:41	
Thallium	ND	1.0	mg/Kg	1.00	06/11/2001 17:41	
Vanadium	58	1.0	mg/Kg	1.00	06/11/2001 17:41	
Zinc	140	1.0	mg/Kg	1.00	06/11/2001 17:41	
Mercury	3.1	0.50	mg/Kg	10.00	06/12/2001 13:17	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
CAM 17 Metals

Method Blank | **Soil** | **QC Batch # 2001/06/11-06.15**

MB: 2001/06/11-06.15-050

Date Extracted: 06/11/2001 10:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	06/11/2001 17:04	
Arsenic	ND	1.0	mg/Kg	06/11/2001 17:04	
Barium	ND	1.0	mg/Kg	06/11/2001 17:04	
Beryllium	ND	0.50	mg/Kg	06/11/2001 17:04	
Cadmium	ND	0.50	mg/Kg	06/11/2001 17:04	
Chromium	ND	1.0	mg/Kg	06/11/2001 17:04	
Cobalt	ND	1.0	mg/Kg	06/11/2001 17:04	
Copper	ND	1.0	mg/Kg	06/11/2001 17:04	
Lead	ND	1.0	mg/Kg	06/11/2001 17:04	
Molybdenum	ND	1.0	mg/Kg	06/11/2001 17:04	
Nickel	ND	1.0	mg/Kg	06/11/2001 17:04	
Selenium	ND	2.0	mg/Kg	06/11/2001 17:04	
Silver	ND	1.0	mg/Kg	06/11/2001 17:04	
Thallium	ND	1.0	mg/Kg	06/11/2001 17:04	
Vanadium	ND	1.0	mg/Kg	06/11/2001 17:04	
Zinc	ND	1.0	mg/Kg	06/11/2001 17:04	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Batch QC Report
CAM 17 Metals

Method Blank | **Soil** | **QC Batch # 2001/06/12-06.16**

MB: 2001/06/12-06.16-005

Date Extracted: 06/12/2001 09:51

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	06/12/2001 11:34	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/11-06.15**

LCS: 2001/06/11-06.15-051 Extracted: 06/11/2001 10:36 Analyzed 06/11/2001 17:11
LCSD: 2001/06/11-06.15-052 Extracted: 06/11/2001 10:36 Analyzed 06/11/2001 17:15

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	85.9	89.1	100.0	100.0	85.9	89.1	3.7	80-120	20		
Arsenic	89.3	92.7	100.0	100.0	89.3	92.7	3.7	80-120	20		
Barium	89.4	92.8	100.0	100.0	89.4	92.8	3.7	80-120	20		
Beryllium	91.0	93.9	100.0	100.0	91.0	93.9	3.1	80-120	20		
Cadmium	87.3	90.8	100.0	100.0	87.3	90.8	3.9	80-120	20		
Chromium	89.5	92.9	100.0	100.0	89.5	92.9	3.7	80-120	20		
Cobalt	87.8	91.7	100.0	100.0	87.8	91.7	4.3	80-120	20		
Copper	91.2	95.8	100.0	100.0	91.2	95.8	4.9	80-120	20		
Lead	87.0	90.2	100.0	100.0	87.0	90.2	3.6	80-120	20		
Molybdenum	89.7	93.6	100.0	100.0	89.7	93.6	4.3	80-120	20		
Nickel	88.5	91.9	100.0	100.0	88.5	91.9	3.8	80-120	20		
Selenium	86.7	89.6	100.0	100.0	86.7	89.6	3.3	80-120	20		
Silver	85.7	89.6	100.0	100.0	85.7	89.6	4.4	80-120	20		
Thallium	86.7	89.3	100.0	100.0	86.7	89.3	3.0	80-120	20		
Vanadium	91.1	94.6	100.0	100.0	91.1	94.6	3.8	80-120	20		
Zinc	85.2	89.0	100.0	100.0	85.2	89.0	4.4	80-120	20		

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 7471A
Prep Method: 7471A

Batch QC Report

CAM 17 Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/12-06.16**

LCS: 2001/06/12-06.16-006 Extracted: 06/12/2001 09:51 Analyzed 06/12/2001 11:36
LCSD: 2001/06/12-06.16-007 Extracted: 06/12/2001 09:51 Analyzed 06/12/2001 11:37

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Mercury	0.513	0.519	0.500	0.500	102.6	103.8	1.2	85-115	20		

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-06-0115

PCBs

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366
Attn: Meredith Durant
Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 00128.01
Project: 901 Embarcadero

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-2-S-010.5	Soil	05/18/2001 15:55	1

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

PCBs

Sample ID: **KB-2-S-010.5**
Project: 00128.01
901 Embarcadero
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-06-0115-001**
Received: 06/06/2001
Extracted: 06/07/2001 10:33
QC-Batch: 2001/06/07-01.14

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1221	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1232	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1242	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1248	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1254	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Aroclor 1260	ND	0.050	mg/Kg	1.00	06/07/2001 15:30	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	72.6	50-125	%	1.00	06/07/2001 15:30	
Decachlorobiphenyl (PCB/8082)	67.6	46-142	%	1.00	06/07/2001 15:30	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8082
Prep Method: 3550/8082

Batch QC Report
PCBs

Method Blank | **Soil** | **QC Batch # 2001/06/07-01.14**

MB: 2001/06/07-01.14-001 | Date Extracted: 06/07/2001 10:33

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1221	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1232	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1242	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1248	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1254	ND	0.05	mg/Kg	06/07/2001 15:30	
Aroclor 1260	ND	0.05	mg/Kg	06/07/2001 15:30	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	75.0	50-125	%	06/07/2001 15:30	
Decachlorobiphenyl (PCB/8082)	70.0	46-142	%	06/07/2001 15:30	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 8082

Prep Method: 3550/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/07-01.14**

LCS: 2001/06/07-01.14-002 Extracted: 06/07/2001 10:33 Analyzed 06/07/2001 16:03

LCSD: 2001/06/07-01.14-003 Extracted: 06/07/2001 10:33 Analyzed 06/07/2001 14:50

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Aroclor 1016	0.0595	0.0555	0.0667	0.0667	89.2	83.2	7.0	65-135	30		
Aroclor 1260	0.0561	0.0519	0.0667	0.0667	84.1	77.8	7.8	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyl	36.5	35.3	50	50	73.0	70.6		50-125			
Decachlorobiphenyl	32.2	30.5	50	50	64.4	61.0		46-142			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0115

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 8082

Prep Method: 3550/8082

Batch QC Report

PCBs

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2001/06/07-01.14**

Sample ID: **KB-2-S-010.5** Lab Sample ID: 2001-06-0115-001

MS: 2001/06/07-01.14-004 Extracted: 06/07/2001 10:33 Analyzed: 06/07/2001 16:03 Dilution: 1.0

MSD: 2001/06/07-01.14-005 Extracted: 06/07/2001 10:33 Analyzed: 06/07/2001 16:36 Dilution: 1.0

Compound	Conc. [mg/Kg]			Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Aroclor 1016	0.525	0.391	ND	0.0662	0.0666	793.1	587.1	29.9	65-135	30	mso	mso
Aroclor 1260	0.277	0.200	ND	0.0662	0.0666	418.4	300.3	32.9	65-135	30	mso	mso
Surrogate(s)												
2,4,5,6-Tetrachloro-m-xy	35.4	30.4		50	50	70.8	60.8		50-125			
Decachlorobiphenyl	31.1	27.2		50	50	62.2	54.4		46-142			

pH

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 00128.01

Project: 901 Embarcadero

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
SS-1	Soil	05/18/2001 15:55	2

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9045C
Prep Method: 9045C

pH

Sample ID:	**SS-1**	Lab Sample ID:	**2001-06-0115-002**
Project:	00128.01 901 Embarcadero	Received:	06/06/2001
		Extracted:	06/07/2001
Sampled:	05/18/2001 15:55	QC-Batch:	2001/06/07-01.22
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
pH	8.4	0.0	SU	1.00	06/07/2001	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 9040B
Prep Method: 9040B

Batch QC Report
pH

Method Blank **Water** **QC Batch # 2001/06/07-01.22**

MB: 2001/06/07-01.22-001 Date Extracted: 06/07/2001

Compound	Result	Rep.Limit	Units	Analyzed	Flag
pH	7.05		SU	06/07/2001	

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

ADD ON/CHANGE ORDER

New Submission No: 59700

Order No: 2001-06-0115

Name of Caller: Meredith Duant

Call Date: 06/06/07 Time: _____

Add on Due Date: 06/13/07 Date Sampled _____

Comments: Sample #18 was Composite of (KB-2-S-0/0.01 & SS1)
We need to Run these test on Discreate Samples

Original Submission Info

Client Name: Kennedy Jenks

Project Mgr: Meredith Duant

Project Name: 901 Embarcadero

Project No: 000128.01

PO#: _____

Date Received: 05/18/07

Submission No: 2001-05-0402

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	ANALYSIS REPORT: TPH-IEPA 8015,8020 ☐ Gas w/ ☐ BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (EVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	Oil & Grease ☐ Petrol ☐ Total ☐ 1664	☐ PESTICIDES(EPA 8080) ☒ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☒ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
KB-2-S-0/0.5	5/18	15:55	Soil										X				X			X				
SS-1																								
(#18)										Don't analyze please Per Meredith KB 06/07/07														

Kennedy/Jenks-San Francisco
622 Folsom Street
San Francisco, CA 94107-1366

Attn.: Ms. Meredith Durant

RECEIVED
JUN 14 2001
KENNEDY/JENKS CONSULTANTS

Project: 000128.01
901 Embarcadaro

Dear Meredith,

Attached is our report for your samples received on Thursday June 7, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 22, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: ssidhu@chromalab.com

Sincerely,

Surinder Sidhu

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0119

Diesel with Silica Gel Clean-up

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.01

Project: 901 Embarcadaro

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-13-W	Water	06/07/2001	1
KB-23-W	Water	05/18/2001 10:30	2
KB-15-W	Water	05/17/2001 12:00	3

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Diesel with Silica Gel Clean-up

Sample ID:	**KB-13-W**	Lab Sample ID:	**2001-06-0119-001**
Project:	000128.01 901 Embarcadaro	Received:	06/07/2001 11:00
		Extracted:	06/07/2001 11:03
Sampled:	06/07/2001	QC-Batch:	2001/05/23-08.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6200	200	ug/L	4.00	06/07/2001 18:10	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	4.00	06/07/2001 18:10	sd

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Diesel with Silica Gel Clean-up

Sample ID:	**KB-23-W**	Lab Sample ID:	**2001-06-0119-002**
Project:	000128.01 901 Embarcadaro	Received:	06/07/2001 11:00
		Extracted:	06/07/2001 11:03
Sampled:	05/18/2001 10:30	QC-Batch:	2001/05/23-08.10
Matrix:	Water		

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	71	ug/L	1.43	06/07/2001 16:16	
Surrogate(s)						
o-Terphenyl	94.2	60-130	%	1.43	06/07/2001 16:16	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Diesel with Silica Gel Clean-up

Sample ID: **KB-15-W**
Project: 000128.01
901 Embarcadaro
Sampled: 05/17/2001 12:00
Matrix: Water

Lab Sample ID: **2001-06-0119-003**
Received: 06/07/2001 11:00
Extracted: 06/07/2001 11:17
QC-Batch: 2001/05/18-05.10

Sample/Analysis Flag rl (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	94	85	ug/L	1.71	06/07/2001 16:54	ndp
Surrogate(s)						
o-Terphenyl	97.4	60-130	%	1.71	06/07/2001 16:54	

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 8015M
Prep Method: 3510/8015M

Legend & Notes

Diesel with Silica Gel Clean-up

Analysis Flags

rl
: Reporting limits raised due to reduced sample size.

Analyte Flags

ldr
: Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

ndp
: Hydrocarbon reported does not match the pattern of our Diesel standard

sd
: Surrogate recovery not reportable due to required dilution.

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

ADD ON/CHANGE ORDER

New Submission No: 2001-06-0119

Order No: 59704

Name of Caller: Meredith Dunant

Call Date: 06/06/07 Time: _____

Add on Due Date: 06/13/07 Date Sampled _____

Comments: Silica gel cleanup" on Back up extracts. We already extract water samples Need Silica gel cleanup please

Original Submission Info

Client Name: Kennedy - Jenks

Project Mgr: Meredith Dunant

Project Name: 901 Embarcadero

Project No: 000128.01

PO#: _____

Date Received: 05/10/07

Submission No: 2001-05-0402

2001-05-0402 05-0337

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) ☐ Gas w/ ☐ BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other Silica	PURGEABLE HALOCARBONS, (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	Oil & Grease ☐ Petrol ☐ Total ☐ 1664		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
KB-13-W (#2)	5/8	8:30	W					X																		
KB-23-W (#5)	↓	10:30						X																		
KB-15-W #(4)	5/7	12:00	↓					X																		
Subs # 2001-05-0337																										

2001-05-0402

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0402

REVISED

Metals

Kennedy/Jenks-San Francisco

622 Folsom Street
San Francisco, CA 94107-1366

Attn: Meredith Durant

Phone: (415) 243-2534 Fax: (415) 896-0999

Project #: 000128.00

Project: 901 Embarcado

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-1-W	Water	05/18/2001 08:10	1
KB-7-S-3/3.5	Soil	05/18/2001 09:25	4
KB-22-S-0.5/1.0	Soil	05/18/2001 10:50	7
KB-22-W	Water	05/18/2001 11:20	8
KB-7-S-0/0.5	Soil	05/18/2001 11:25	10
KB-19-S-0/0.5	Soil	05/18/2001 13:50	12
KB-18-S-0/0.5	Soil	05/18/2001 14:06	13
KB-9-S-0/0.5	Soil	05/18/2001 14:50	15
KB-13A-S-0/0.5	Soil	05/18/2001 15:07	17
KB-2-S-0/0.5,SS-1	Soil	05/18/2001 15:55	18
KB-11-S-0/0.5	Soil	05/18/2001 12:15	20
KB-12-S-0/0.5	Soil	05/18/2001 12:00	21
KB-13-WA	Water	05/18/2001 12:30	22
KB-20-S-3/3.5	Soil	05/18/2001 13:05	23
KB-20-S-0/0.5	Soil	05/18/2001 13:05	24
KB-21-S-0/0.5	Soil	05/18/2001 13:25	27
KB-16-S-2/2.5	Soil	05/18/2001 13:30	28

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0402

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-1-W**	Lab Sample ID:	**2001-05-0402-001**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 06:02
Sampled:	05/18/2001 08:10	QC-Batch:	2001/05/22-03.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	05/22/2001 12:34	
Arsenic	0.016	0.0050	mg/L	1.00	05/22/2001 12:34	
Barium	0.38	0.0050	mg/L	1.00	05/22/2001 12:34	
Beryllium	ND	0.0050	mg/L	1.00	05/22/2001 12:34	
Cadmium	ND	0.0020	mg/L	1.00	05/22/2001 12:34	
Chromium	0.058	0.0050	mg/L	1.00	05/22/2001 12:34	
Cobalt	0.012	0.0050	mg/L	1.00	05/22/2001 12:34	
Copper	0.029	0.0050	mg/L	1.00	05/22/2001 12:34	
Lead	0.014	0.0050	mg/L	1.00	05/22/2001 12:34	
Molybdenum	0.038	0.0050	mg/L	1.00	05/22/2001 12:34	
Nickel	0.069	0.0050	mg/L	1.00	05/22/2001 12:34	
Selenium	ND	0.0050	mg/L	1.00	05/22/2001 12:34	
Silver	ND	0.0050	mg/L	1.00	05/22/2001 12:34	
Thallium	ND	0.0050	mg/L	1.00	05/22/2001 12:34	
Vanadium	0.051	0.0050	mg/L	1.00	05/22/2001 12:34	
Zinc	0.067	0.010	mg/L	1.00	05/22/2001 12:34	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-7-S-3/3.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 09:25
Matrix: Soil

Lab Sample ID: **2001-05-0402-004**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:37	
Arsenic	1.1	1.0	mg/Kg	1.00	05/23/2001 11:37	
Barium	36	1.0	mg/Kg	1.00	05/23/2001 11:37	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:37	
Cadmium	ND	0.50	mg/Kg	1.00	05/23/2001 11:37	
Chromium	24	1.0	mg/Kg	1.00	05/23/2001 11:37	
Cobalt	3.5	1.0	mg/Kg	1.00	05/23/2001 11:37	
Copper	6.1	1.0	mg/Kg	1.00	05/23/2001 11:37	
Lead	3.5	1.0	mg/Kg	1.00	05/23/2001 11:37	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:37	
Nickel	23	1.0	mg/Kg	1.00	05/23/2001 11:37	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:37	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:37	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:37	
Vanadium	14	1.0	mg/Kg	1.00	05/23/2001 11:37	
Zinc	12	1.0	mg/Kg	1.00	05/23/2001 11:37	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0402

REVISED

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-22-S-0.5/1.0**	Lab Sample ID:	**2001-05-0402-007**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 07:58
Sampled:	05/18/2001 10:50	QC-Batch:	2001/05/23-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:41	
Arsenic	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Barium	2.6	1.0	mg/Kg	1.00	05/23/2001 11:41	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:41	
Cadmium	ND	0.50	mg/Kg	1.00	05/23/2001 11:41	
Chromium	12	1.0	mg/Kg	1.00	05/23/2001 11:41	
Cobalt	9.8	1.0	mg/Kg	1.00	05/23/2001 11:41	
Copper	33	1.0	mg/Kg	1.00	05/23/2001 11:41	
Lead	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Nickel	13	1.0	mg/Kg	1.00	05/23/2001 11:41	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:41	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:41	
Vanadium	8.0	1.0	mg/Kg	1.00	05/23/2001 11:41	
Zinc	3.5	1.0	mg/Kg	1.00	05/23/2001 11:41	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-22-W**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 11:20
Matrix: Water

Lab Sample ID: **2001-05-0402-008**
Received: 05/18/2001 17:45
Extracted: 05/22/2001 06:02
QC-Batch: 2001/05/22-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	05/22/2001 12:38	
Arsenic	0.016	0.0050	mg/L	1.00	05/22/2001 12:38	
Barium	2.7	0.0050	mg/L	1.00	05/22/2001 12:38	
Beryllium	ND	0.0050	mg/L	1.00	05/22/2001 12:38	
Cadmium	0.012	0.0020	mg/L	1.00	05/22/2001 12:38	
Chromium	0.42	0.0050	mg/L	1.00	05/22/2001 12:38	
Cobalt	0.075	0.0050	mg/L	1.00	05/22/2001 12:38	
Copper	0.20	0.0050	mg/L	1.00	05/22/2001 12:38	
Lead	0.24	0.0050	mg/L	1.00	05/22/2001 12:38	
Molybdenum	0.0061	0.0050	mg/L	1.00	05/22/2001 12:38	
Nickel	0.40	0.0050	mg/L	1.00	05/22/2001 12:38	
Selenium	0.0061	0.0050	mg/L	1.00	05/22/2001 12:38	
Silver	ND	0.0050	mg/L	1.00	05/22/2001 12:38	
Thallium	ND	0.0050	mg/L	1.00	05/22/2001 12:38	
Vanadium	0.33	0.0050	mg/L	1.00	05/22/2001 12:38	
Zinc	0.32	0.010	mg/L	1.00	05/22/2001 12:38	

REVISED

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-7-S-0/0.5**	Lab Sample ID:	**2001-05-0402-010**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 07:58
Sampled:	05/18/2001 11:25	QC-Batch:	2001/05/23-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:44	
Arsenic	37	1.0	mg/Kg	1.00	05/23/2001 11:44	
Barium	83	1.0	mg/Kg	1.00	05/23/2001 11:44	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:44	
Cadmium	2.5	0.50	mg/Kg	1.00	05/23/2001 11:44	
Chromium	45	1.0	mg/Kg	1.00	05/23/2001 11:44	
Cobalt	5.5	1.0	mg/Kg	1.00	05/23/2001 11:44	
Copper	250	1.0	mg/Kg	1.00	05/23/2001 11:44	
Lead	170	1.0	mg/Kg	1.00	05/23/2001 11:44	
Molybdenum	4.6	1.0	mg/Kg	1.00	05/23/2001 11:44	
Nickel	87	1.0	mg/Kg	1.00	05/23/2001 11:44	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:44	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:44	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:44	
Vanadium	330	1.0	mg/Kg	1.00	05/23/2001 11:44	
Zinc	700	1.0	mg/Kg	1.00	05/23/2001 11:44	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0402

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-19-S-0/0.5**	Lab Sample ID:	**2001-05-0402-012**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 07:58
Sampled:	05/18/2001 13:50	QC-Batch:	2001/05/23-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:48	
Arsenic	7.8	1.0	mg/Kg	1.00	05/23/2001 11:48	
Barium	130	1.0	mg/Kg	1.00	05/23/2001 11:48	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:48	
Cadmium	2.3	0.50	mg/Kg	1.00	05/23/2001 11:48	
Chromium	33	1.0	mg/Kg	1.00	05/23/2001 11:48	
Cobalt	8.2	1.0	mg/Kg	1.00	05/23/2001 11:48	
Copper	56	1.0	mg/Kg	1.00	05/23/2001 11:48	
Lead	130	1.0	mg/Kg	1.00	05/23/2001 11:48	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:48	
Nickel	30	1.0	mg/Kg	1.00	05/23/2001 11:48	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:48	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:48	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:48	
Vanadium	40	1.0	mg/Kg	1.00	05/23/2001 11:48	
Zinc	140	1.0	mg/Kg	1.00	05/23/2001 11:48	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-18-S-0/0.5**	Lab Sample ID:	**2001-05-0402-013**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 07:58
Sampled:	05/18/2001 14:06	QC-Batch:	2001/05/23-04.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:51	
Arsenic	4.5	1.0	mg/Kg	1.00	05/23/2001 11:51	
Barium	130	1.0	mg/Kg	1.00	05/23/2001 11:51	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:51	
Cadmium	1.9	0.50	mg/Kg	1.00	05/23/2001 11:51	
Chromium	19	1.0	mg/Kg	1.00	05/23/2001 11:51	
Cobalt	9.9	1.0	mg/Kg	1.00	05/23/2001 11:51	
Copper	39	1.0	mg/Kg	1.00	05/23/2001 11:51	
Lead	34	1.0	mg/Kg	1.00	05/23/2001 11:51	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:51	
Nickel	19	1.0	mg/Kg	1.00	05/23/2001 11:51	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:51	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:51	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:51	
Vanadium	34	1.0	mg/Kg	1.00	05/23/2001 11:51	
Zinc	67	1.0	mg/Kg	1.00	05/23/2001 11:51	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-9-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 14:50
Matrix: Soil

Lab Sample ID: **2001-05-0402-015**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:54	
Arsenic	2.0	1.0	mg/Kg	1.00	05/23/2001 11:54	
Barium	90	1.0	mg/Kg	1.00	05/23/2001 11:54	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:54	
Cadmium	0.63	0.50	mg/Kg	1.00	05/23/2001 11:54	
Chromium	40	1.0	mg/Kg	1.00	05/23/2001 11:54	
Cobalt	3.2	1.0	mg/Kg	1.00	05/23/2001 11:54	
Copper	58	1.0	mg/Kg	1.00	05/23/2001 11:54	
Lead	110	1.0	mg/Kg	1.00	05/23/2001 11:54	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:54	
Nickel	57	1.0	mg/Kg	1.00	05/23/2001 11:54	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:54	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:54	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:54	
Vanadium	21	1.0	mg/Kg	1.00	05/23/2001 11:54	
Zinc	75	1.0	mg/Kg	1.00	05/23/2001 11:54	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A
3050B

Metals

Sample ID: **KB-13A-S-0/0.5**

Project: 000128.00
901 Embarcado

Sampled: 05/18/2001 15:07

Matrix: Soil

Lab Sample ID: **2001-05-0402-017**

Received: 05/18/2001 17:45

Extracted: 05/23/2001 07:58

QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 11:57	
Arsenic	18	1.0	mg/Kg	1.00	05/23/2001 11:57	
Barium	65	1.0	mg/Kg	1.00	05/23/2001 11:57	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 11:57	
Cadmium	1.4	0.50	mg/Kg	1.00	05/23/2001 11:57	
Chromium	12	1.0	mg/Kg	1.00	05/23/2001 11:57	
Cobalt	5.5	1.0	mg/Kg	1.00	05/23/2001 11:57	
Copper	22	1.0	mg/Kg	1.00	05/23/2001 11:57	
Lead	72	1.0	mg/Kg	1.00	05/23/2001 11:57	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 11:57	
Nickel	12	1.0	mg/Kg	1.00	05/23/2001 11:57	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 11:57	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 11:57	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 11:57	
Vanadium	20	1.0	mg/Kg	1.00	05/23/2001 11:57	
Zinc	120	1.0	mg/Kg	1.00	05/23/2001 11:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-2-S-0/0.5,SS-1**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 15:55
Matrix: Soil

Lab Sample ID: **2001-05-0402-018**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 12:00	
Arsenic	4.6	1.0	mg/Kg	1.00	05/23/2001 12:00	
Barium	130	1.0	mg/Kg	1.00	05/23/2001 12:00	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 12:00	
Cadmium	2.7	0.50	mg/Kg	1.00	05/23/2001 12:00	
Chromium	50	1.0	mg/Kg	1.00	05/23/2001 12:00	
Cobalt	11	1.0	mg/Kg	1.00	05/23/2001 12:00	
Copper	78	1.0	mg/Kg	1.00	05/23/2001 12:00	
Lead	240	1.0	mg/Kg	1.00	05/23/2001 12:00	
Molybdenum	1.1	1.0	mg/Kg	1.00	05/23/2001 12:00	
Nickel	42	1.0	mg/Kg	1.00	05/23/2001 12:00	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 12:00	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 12:00	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 12:00	
Vanadium	34	1.0	mg/Kg	1.00	05/23/2001 12:00	
Zinc	750	1.0	mg/Kg	1.00	05/23/2001 12:00	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-11-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:15
Matrix: Soil

Lab Sample ID: **2001-05-0402-020**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 07:58
QC-Batch: 2001/05/23-04.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/23/2001 12:03	
Arsenic	5.0	1.0	mg/Kg	1.00	05/23/2001 12:03	
Barium	48	1.0	mg/Kg	1.00	05/23/2001 12:03	
Beryllium	ND	0.50	mg/Kg	1.00	05/23/2001 12:03	
Cadmium	0.87	0.50	mg/Kg	1.00	05/23/2001 12:03	
Chromium	36	1.0	mg/Kg	1.00	05/23/2001 12:03	
Cobalt	5.2	1.0	mg/Kg	1.00	05/23/2001 12:03	
Copper	42	1.0	mg/Kg	1.00	05/23/2001 12:03	
Lead	49	1.0	mg/Kg	1.00	05/23/2001 12:03	
Molybdenum	ND	1.0	mg/Kg	1.00	05/23/2001 12:03	
Nickel	27	1.0	mg/Kg	1.00	05/23/2001 12:03	
Selenium	ND	2.0	mg/Kg	1.00	05/23/2001 12:03	
Silver	ND	1.0	mg/Kg	1.00	05/23/2001 12:03	
Thallium	ND	1.0	mg/Kg	1.00	05/23/2001 12:03	
Vanadium	19	1.0	mg/Kg	1.00	05/23/2001 12:03	
Zinc	45	1.0	mg/Kg	1.00	05/23/2001 12:03	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-12-S-0/0.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 12:00
Matrix: Soil

Lab Sample ID: **2001-05-0402-021**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 12:26
QC-Batch: 2001/05/23-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/24/2001 12:27	
Arsenic	1.6	1.0	mg/Kg	1.00	05/24/2001 12:27	
Barium	68	1.0	mg/Kg	1.00	05/24/2001 12:27	
Beryllium	ND	0.50	mg/Kg	1.00	05/24/2001 12:27	
Cadmium	0.95	0.50	mg/Kg	1.00	05/24/2001 12:27	
Chromium	26	1.0	mg/Kg	1.00	05/24/2001 12:27	
Cobalt	6.9	1.0	mg/Kg	1.00	05/24/2001 12:27	
Copper	15	1.0	mg/Kg	1.00	05/24/2001 12:27	
Lead	12	1.0	mg/Kg	1.00	05/24/2001 12:27	
Molybdenum	ND	1.0	mg/Kg	1.00	05/24/2001 12:27	
Nickel	31	1.0	mg/Kg	1.00	05/24/2001 12:27	
Selenium	ND	2.0	mg/Kg	1.00	05/24/2001 12:27	
Silver	ND	1.0	mg/Kg	1.00	05/24/2001 12:27	
Thallium	ND	1.0	mg/Kg	1.00	05/24/2001 12:27	
Vanadium	26	1.0	mg/Kg	1.00	05/24/2001 12:27	
Zinc	32	1.0	mg/Kg	1.00	05/24/2001 12:27	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-13-WA**	Lab Sample ID:	**2001-05-0402-022**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/22/2001 07:28
Sampled:	05/18/2001 12:30	QC-Batch:	2001/05/22-03.16
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	05/22/2001 12:42	
Arsenic	0.022	0.0050	mg/L	1.00	05/22/2001 12:42	
Barium	1.7	0.0050	mg/L	1.00	05/22/2001 12:42	
Beryllium	0.0063	0.0050	mg/L	1.00	05/22/2001 12:42	
Cadmium	0.037	0.0020	mg/L	1.00	05/22/2001 12:42	
Chromium	1.3	0.0050	mg/L	1.00	05/22/2001 12:42	
Cobalt	0.24	0.0050	mg/L	1.00	05/22/2001 12:42	
Copper	0.54	0.0050	mg/L	1.00	05/22/2001 12:42	
Lead	0.60	0.0050	mg/L	1.00	05/22/2001 12:42	
Molybdenum	0.0096	0.0050	mg/L	1.00	05/22/2001 12:42	
Nickel	1.5	0.0050	mg/L	1.00	05/22/2001 12:42	
Selenium	ND	0.0050	mg/L	1.00	05/22/2001 12:42	
Silver	ND	0.0050	mg/L	1.00	05/22/2001 12:42	
Thallium	ND	0.0050	mg/L	1.00	05/22/2001 12:42	
Vanadium	0.98	0.0050	mg/L	1.00	05/22/2001 12:42	
Zinc	0.99	0.010	mg/L	1.00	05/22/2001 12:42	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-20-S-3/3.5**	Lab Sample ID:	**2001-05-0402-023**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:26
Sampled:	05/18/2001 13:05	QC-Batch:	2001/05/23-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/24/2001 12:41	
Arsenic	1.4	1.0	mg/Kg	1.00	05/24/2001 12:41	
Barium	14	1.0	mg/Kg	1.00	05/24/2001 12:41	
Beryllium	ND	0.50	mg/Kg	1.00	05/24/2001 12:41	
Cadmium	0.56	0.50	mg/Kg	1.00	05/24/2001 12:41	
Chromium	20	1.0	mg/Kg	1.00	05/24/2001 12:41	
Cobalt	3.0	1.0	mg/Kg	1.00	05/24/2001 12:41	
Copper	6.2	1.0	mg/Kg	1.00	05/24/2001 12:41	
Lead	2.4	1.0	mg/Kg	1.00	05/24/2001 12:41	
Molybdenum	ND	1.0	mg/Kg	1.00	05/24/2001 12:41	
Nickel	21	1.0	mg/Kg	1.00	05/24/2001 12:41	
Selenium	ND	2.0	mg/Kg	1.00	05/24/2001 12:41	
Silver	ND	1.0	mg/Kg	1.00	05/24/2001 12:41	
Thallium	ND	1.0	mg/Kg	1.00	05/24/2001 12:41	
Vanadium	14	1.0	mg/Kg	1.00	05/24/2001 12:41	
Zinc	12	1.0	mg/Kg	1.00	05/24/2001 12:41	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-20-S-0/0.5**	Lab Sample ID:	**2001-05-0402-024**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:26
Sampled:	05/18/2001 13:05	QC-Batch:	2001/05/23-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/24/2001 12:57	
Arsenic	6.1	1.0	mg/Kg	1.00	05/24/2001 12:57	
Barium	130	1.0	mg/Kg	1.00	05/24/2001 12:57	
Beryllium	ND	0.50	mg/Kg	1.00	05/24/2001 12:57	
Cadmium	1.4	0.50	mg/Kg	1.00	05/24/2001 12:57	
Chromium	28	1.0	mg/Kg	1.00	05/24/2001 12:57	
Cobalt	9.1	1.0	mg/Kg	1.00	05/24/2001 12:57	
Copper	27	1.0	mg/Kg	1.00	05/24/2001 12:57	
Lead	32	1.0	mg/Kg	1.00	05/24/2001 12:57	
Molybdenum	ND	1.0	mg/Kg	1.00	05/24/2001 12:57	
Nickel	28	1.0	mg/Kg	1.00	05/24/2001 12:57	
Selenium	ND	2.0	mg/Kg	1.00	05/24/2001 12:57	
Silver	ND	1.0	mg/Kg	1.00	05/24/2001 12:57	
Thallium	ND	1.0	mg/Kg	1.00	05/24/2001 12:57	
Vanadium	26	1.0	mg/Kg	1.00	05/24/2001 12:57	
Zinc	59	1.0	mg/Kg	1.00	05/24/2001 12:57	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-21-S-0/0.5**	Lab Sample ID:	**2001-05-0402-027**
Project:	000128.00 901 Embarcado	Received:	05/18/2001 17:45
		Extracted:	05/23/2001 12:26
Sampled:	05/18/2001 13:25	QC-Batch:	2001/05/23-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/24/2001 13:02	
Arsenic	1.0	1.0	mg/Kg	1.00	05/24/2001 13:02	
Barium	68	1.0	mg/Kg	1.00	05/24/2001 13:02	
Beryllium	ND	0.50	mg/Kg	1.00	05/24/2001 13:02	
Cadmium	1.6	0.50	mg/Kg	1.00	05/24/2001 13:02	
Chromium	22	1.0	mg/Kg	1.00	05/24/2001 13:02	
Cobalt	6.5	1.0	mg/Kg	1.00	05/24/2001 13:02	
Copper	30	1.0	mg/Kg	1.00	05/24/2001 13:02	
Lead	54	1.0	mg/Kg	1.00	05/24/2001 13:02	
Molybdenum	ND	1.0	mg/Kg	1.00	05/24/2001 13:02	
Nickel	14	1.0	mg/Kg	1.00	05/24/2001 13:02	
Selenium	ND	2.0	mg/Kg	1.00	05/24/2001 13:02	
Silver	ND	1.0	mg/Kg	1.00	05/24/2001 13:02	
Thallium	ND	1.0	mg/Kg	1.00	05/24/2001 13:02	
Vanadium	28	1.0	mg/Kg	1.00	05/24/2001 13:02	
Zinc	64	1.0	mg/Kg	1.00	05/24/2001 13:02	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0402

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID: **KB-16-S-2/2.5**
Project: 000128.00
901 Embarcado
Sampled: 05/18/2001 13:30
Matrix: Soil

Lab Sample ID: **2001-05-0402-028**
Received: 05/18/2001 17:45
Extracted: 05/23/2001 12:26
QC-Batch: 2001/05/23-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/24/2001 13:08	
Arsenic	1.7	1.0	mg/Kg	1.00	05/24/2001 13:08	
Barium	53	1.0	mg/Kg	1.00	05/24/2001 13:08	
Beryllium	ND	0.50	mg/Kg	1.00	05/24/2001 13:08	
Cadmium	0.82	0.50	mg/Kg	1.00	05/24/2001 13:08	
Chromium	31	1.0	mg/Kg	1.00	05/24/2001 13:08	
Cobalt	7.3	1.0	mg/Kg	1.00	05/24/2001 13:08	
Copper	14	1.0	mg/Kg	1.00	05/24/2001 13:08	
Lead	17	1.0	mg/Kg	1.00	05/24/2001 13:08	
Molybdenum	ND	1.0	mg/Kg	1.00	05/24/2001 13:08	
Nickel	42	1.0	mg/Kg	1.00	05/24/2001 13:08	
Selenium	ND	2.0	mg/Kg	1.00	05/24/2001 13:08	
Silver	ND	1.0	mg/Kg	1.00	05/24/2001 13:08	
Thallium	ND	1.0	mg/Kg	1.00	05/24/2001 13:08	
Vanadium	22	1.0	mg/Kg	1.00	05/24/2001 13:08	
Zinc	27	1.0	mg/Kg	1.00	05/24/2001 13:08	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A

REVISED

Batch QC Report
Metals

Method Blank | **Water** | **QC Batch # 2001/05/22-03.15**

MB: 2001/05/22-03.15-030 | Date Extracted: 05/22/2001 06:02

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	0.0050	mg/L	05/22/2001 10:40	
Arsenic	ND	0.0050	mg/L	05/22/2001 10:40	
Barium	ND	0.0050	mg/L	05/22/2001 10:40	
Beryllium	ND	0.0050	mg/L	05/22/2001 10:40	
Cadmium	ND	0.0020	mg/L	05/22/2001 10:40	
Chromium	ND	0.0050	mg/L	05/22/2001 10:40	
Cobalt	ND	0.0050	mg/L	05/22/2001 10:40	
Copper	ND	0.0050	mg/L	05/22/2001 10:40	
Lead	ND	0.0050	mg/L	05/22/2001 10:40	
Molybdenum	ND	0.0050	mg/L	05/22/2001 10:40	
Nickel	ND	0.0050	mg/L	05/22/2001 10:40	
Selenium	ND	0.0050	mg/L	05/22/2001 10:40	
Silver	ND	0.0050	mg/L	05/22/2001 10:40	
Thallium	ND	0.0050	mg/L	05/22/2001 10:40	
Vanadium	ND	0.0050	mg/L	05/22/2001 10:40	
Zinc	ND	0.010	mg/L	05/22/2001 10:40	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

REVISED

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/05/23-04.15**

MB: 2001/05/23-04.15-030

Date Extracted: 05/23/2001 07:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	05/23/2001 09:49	
Arsenic	ND	1.0	mg/Kg	05/23/2001 09:49	
Barium	ND	1.0	mg/Kg	05/23/2001 09:49	
Beryllium	ND	0.50	mg/Kg	05/23/2001 09:49	
Cadmium	ND	0.50	mg/Kg	05/23/2001 09:49	
Chromium	ND	1.0	mg/Kg	05/23/2001 09:49	
Cobalt	ND	1.0	mg/Kg	05/23/2001 09:49	
Copper	ND	1.0	mg/Kg	05/23/2001 09:49	
Lead	ND	1.0	mg/Kg	05/23/2001 09:49	
Molybdenum	ND	1.0	mg/Kg	05/23/2001 09:49	
Nickel	ND	1.0	mg/Kg	05/23/2001 09:49	
Selenium	ND	2.0	mg/Kg	05/23/2001 09:49	
Silver	ND	1.0	mg/Kg	05/23/2001 09:49	
Thallium	ND	1.0	mg/Kg	05/23/2001 09:49	
Vanadium	ND	1.0	mg/Kg	05/23/2001 09:49	
Zinc	ND	1.0	mg/Kg	05/23/2001 09:49	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

REVISED

Batch QC Report
Metals

Method Blank | **Soil** | **QC Batch # 2001/05/23-05.15**

MB: 2001/05/23-05.15-049 | Date Extracted: 05/23/2001 12:26

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	05/24/2001 12:08	
Arsenic	ND	1.0	mg/Kg	05/24/2001 12:08	
Barium	ND	1.0	mg/Kg	05/24/2001 12:08	
Beryllium	ND	0.50	mg/Kg	05/24/2001 12:08	
Cadmium	ND	0.50	mg/Kg	05/24/2001 12:08	
Chromium	ND	1.0	mg/Kg	05/24/2001 12:08	
Cobalt	ND	1.0	mg/Kg	05/24/2001 12:08	
Copper	ND	1.0	mg/Kg	05/24/2001 12:08	
Lead	ND	1.0	mg/Kg	05/24/2001 12:08	
Molybdenum	ND	1.0	mg/Kg	05/24/2001 12:08	
Nickel	ND	1.0	mg/Kg	05/24/2001 12:08	
Selenium	ND	2.0	mg/Kg	05/24/2001 12:08	
Silver	ND	1.0	mg/Kg	05/24/2001 12:08	
Thallium	ND	1.0	mg/Kg	05/24/2001 12:08	
Vanadium	ND	1.0	mg/Kg	05/24/2001 12:08	
Zinc	ND	1.0	mg/Kg	05/24/2001 12:08	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3010A

REVISED

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/22-03.15**

LCS: 2001/05/22-03.15-031 Extracted: 05/22/2001 06:02 Analyzed 05/22/2001 10:45

LCSD: 2001/05/22-03.15-032 Extracted: 05/22/2001 06:02 Analyzed 05/22/2001 10:49

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	0.486	0.468	0.500	0.500	97.2	93.6	3.8	80-120	20		
Arsenic	0.507	0.489	0.500	0.500	101.4	97.8	3.6	80-120	20		
Barium	0.494	0.477	0.500	0.500	98.8	95.4	3.5	80-120	20		
Beryllium	0.469	0.457	0.500	0.500	93.8	91.4	2.6	80-120	20		
Cadmium	0.488	0.469	0.500	0.500	97.6	93.8	4.0	80-120	20		
Chromium	0.493	0.476	0.500	0.500	98.6	95.2	3.5	80-120	20		
Cobalt	0.494	0.476	0.500	0.500	98.8	95.2	3.7	80-120	20		
Copper	0.504	0.486	0.500	0.500	100.8	97.2	3.6	80-120	20		
Lead	0.493	0.472	0.500	0.500	98.6	94.4	4.4	80-120	20		
Molybdenum	0.495	0.477	0.500	0.500	99.0	95.4	3.7	80-120	20		
Nickel	0.493	0.476	0.500	0.500	98.6	95.2	3.5	80-120	20		
Selenium	0.482	0.463	0.500	0.500	96.4	92.6	4.0	80-120	20		
Silver	0.498	0.480	0.500	0.500	99.6	96.0	3.7	80-120	20		
Thallium	0.492	0.478	0.500	0.500	98.4	95.6	2.9	80-120	20		
Vanadium	0.497	0.479	0.500	0.500	99.4	95.8	3.7	80-120	20		
Zinc	0.486	0.467	0.500	0.500	97.2	93.4	4.0	80-120	20		

To: **Kennedy/Jenks-San Francisco**
Attn: Meredith Durant

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-04.15**

LCS: 2001/05/23-04.15-031 Extracted: 05/23/2001 07:58 Analyzed 05/23/2001 09:53
LCSD: 2001/05/23-04.15-032 Extracted: 05/23/2001 07:58 Analyzed 05/23/2001 09:57

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	97.8	98.6	100.0	100.0	97.8	98.6	0.8	80-120	20		
Arsenic	100	99.0	100.0	100.0	100.0	99.0	1.0	80-120	20		
Barium	94.5	92.4	100.0	100.0	94.5	92.4	2.2	80-120	20		
Beryllium	92.7	90.9	100.0	100.0	92.7	90.9	2.0	80-120	20		
Cadmium	93.8	91.3	100.0	100.0	93.8	91.3	2.7	80-120	20		
Chromium	95.6	93.3	100.0	100.0	95.6	93.3	2.4	80-120	20		
Cobalt	96.3	93.6	100.0	100.0	96.3	93.6	2.8	80-120	20		
Copper	102	100	100.0	100.0	102.0	100.0	2.0	80-120	20		
Lead	95.3	94.1	100.0	100.0	95.3	94.1	1.3	80-120	20		
Molybdenum	97.2	96.8	100.0	100.0	97.2	96.8	0.4	80-120	20		
Nickel	93.8	91.6	100.0	100.0	93.8	91.6	2.4	80-120	20		
Selenium	93.3	93.4	100.0	100.0	93.3	93.4	0.1	80-120	20		
Silver	99.2	97.5	100.0	100.0	99.2	97.5	1.7	80-120	20		
Thallium	93.5	92.8	100.0	100.0	93.5	92.8	0.8	80-120	20		
Vanadium	96.1	94.0	100.0	100.0	96.1	94.0	2.2	80-120	20		
Zinc	94.6	91.5	100.0	100.0	94.6	91.5	3.3	80-120	20		

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3050B

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/23-05.15**

LCS: 2001/05/23-05.15-050 Extracted: 05/23/2001 12:26 Analyzed 05/24/2001 12:12

LCSD: 2001/05/23-05.15-051 Extracted: 05/23/2001 12:26 Analyzed 05/24/2001 12:16

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	89.0	91.0	100.0	100.0	89.0	91.0	2.2	80-120	20		
Arsenic	86.7	89.5	100.0	100.0	86.7	89.5	3.2	80-120	20		
Barium	92.7	93.5	100.0	100.0	92.7	93.5	0.9	80-120	20		
Beryllium	95.6	92.7	100.0	100.0	95.6	92.7	3.1	80-120	20		
Cadmium	91.5	92.3	100.0	100.0	91.5	92.3	0.9	80-120	20		
Chromium	92.8	93.6	100.0	100.0	92.8	93.6	0.9	80-120	20		
Cobalt	92.3	93.0	100.0	100.0	92.3	93.0	0.8	80-120	20		
Copper	93.7	93.8	100.0	100.0	93.7	93.8	0.1	80-120	20		
Lead	91.9	93.1	100.0	100.0	91.9	93.1	1.3	80-120	20		
Molybdenum	94.0	94.8	100.0	100.0	94.0	94.8	0.8	80-120	20		
Nickel	92.0	93.0	100.0	100.0	92.0	93.0	1.1	80-120	20		
Selenium	88.4	89.8	100.0	100.0	88.4	89.8	1.6	80-120	20		
Silver	92.4	92.7	100.0	100.0	92.4	92.7	0.3	80-120	20		
Thallium	92.2	92.8	100.0	100.0	92.2	92.8	0.6	80-120	20		
Vanadium	93.5	94.3	100.0	100.0	93.5	94.3	0.9	80-120	20		
Zinc	91.7	92.4	100.0	100.0	91.7	92.4	0.8	80-120	20		

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0337

Metals

REVISED

Kennedy/Jenks-San Francisco	✉ 622 Folsom Street San Francisco, CA 94107-1366
Attn: Meredith Durant	Phone: (415) 243-2534 Fax: (415) 896-0999
Project #: 000128.00	Project: Praxair Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
KB-18-W	Water	05/17/2001 08:45	1
KB-1-S-0.2/0.7	Soil	05/17/2001 14:55	11
KB-1-S-3/3.5	Soil	05/17/2001 14:55	12
KB-1-S-2/2.5	Soil	05/17/2001 15:50	13

RECEIVED
JUN 18 2001
KENNEDY/JENKS CONSULTANTS

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0337

REVISED

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID:	**KB-18-W**	Lab Sample ID:	**2001-05-0337-001**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/18/2001 11:14
Sampled:	05/17/2001 08:45	QC-Batch:	2001/05/18-04.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	05/18/2001 16:28	
Arsenic	0.12	0.0050	mg/L	1.00	05/18/2001 16:28	
Barium	8.8	0.0050	mg/L	1.00	05/18/2001 16:28	
Beryllium	0.017	0.0050	mg/L	1.00	05/18/2001 16:28	
Cadmium	0.083	0.0020	mg/L	1.00	05/18/2001 16:28	
Chromium	2.2	0.0050	mg/L	1.00	05/18/2001 16:28	
Cobalt	0.44	0.0050	mg/L	1.00	05/18/2001 16:28	
Copper	3.6	0.0050	mg/L	1.00	05/18/2001 16:28	
Lead	17	0.0050	mg/L	1.00	05/18/2001 16:28	
Molybdenum	ND	0.0050	mg/L	1.00	05/18/2001 16:28	
Nickel	2.4	0.0050	mg/L	1.00	05/18/2001 16:28	
Selenium	ND	0.0050	mg/L	1.00	05/18/2001 16:28	
Silver	0.0057	0.0050	mg/L	1.00	05/18/2001 16:28	
Thallium	ND	0.0050	mg/L	1.00	05/18/2001 16:28	
Vanadium	1.7	0.0050	mg/L	1.00	05/18/2001 16:28	
Zinc	4.3	0.010	mg/L	1.00	05/18/2001 16:28	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

REVISED

Metals

Sample ID:	**KB-1-S-0.2/0.7**	Lab Sample ID:	**2001-05-0337-011**
Project:	000128.00 Praxair Oakland	Received:	05/17/2001 18:33
		Extracted:	05/22/2001 08:17
Sampled:	05/17/2001 14:55	QC-Batch:	2001/05/22-05.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/22/2001 16:01	
Arsenic	5.9	1.0	mg/Kg	1.00	05/22/2001 16:01	
Barium	98	1.0	mg/Kg	1.00	05/22/2001 16:01	
Beryllium	ND	0.50	mg/Kg	1.00	05/22/2001 16:01	
Cadmium	1.1	0.50	mg/Kg	1.00	05/22/2001 16:01	
Chromium	26	1.0	mg/Kg	1.00	05/22/2001 16:01	
Cobalt	7.3	1.0	mg/Kg	1.00	05/22/2001 16:01	
Copper	21	1.0	mg/Kg	1.00	05/22/2001 16:01	
Lead	20	1.0	mg/Kg	1.00	05/22/2001 16:01	
Molybdenum	ND	1.0	mg/Kg	1.00	05/22/2001 16:01	
Nickel	31	1.0	mg/Kg	1.00	05/22/2001 16:01	
Selenium	ND	2.0	mg/Kg	1.00	05/22/2001 16:01	
Silver	ND	1.0	mg/Kg	1.00	05/22/2001 16:01	
Thallium	ND	1.0	mg/Kg	1.00	05/22/2001 16:01	
Vanadium	29	1.0	mg/Kg	1.00	05/22/2001 16:01	
Zinc	53	1.0	mg/Kg	1.00	05/22/2001 16:01	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-1-S-3/3.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 14:55
Matrix: Soil

Lab Sample ID: **2001-05-0337-012**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 08:17
QC-Batch: 2001/05/22-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/22/2001 16:05	
Arsenic	ND	1.0	mg/Kg	1.00	05/22/2001 16:05	
Barium	14	1.0	mg/Kg	1.00	05/22/2001 16:05	
Beryllium	ND	0.50	mg/Kg	1.00	05/22/2001 16:05	
Cadmium	ND	0.50	mg/Kg	1.00	05/22/2001 16:05	
Chromium	24	1.0	mg/Kg	1.00	05/22/2001 16:05	
Cobalt	3.5	1.0	mg/Kg	1.00	05/22/2001 16:05	
Copper	5.1	1.0	mg/Kg	1.00	05/22/2001 16:05	
Lead	4.0	1.0	mg/Kg	1.00	05/22/2001 16:05	
Molybdenum	ND	1.0	mg/Kg	1.00	05/22/2001 16:05	
Nickel	25	1.0	mg/Kg	1.00	05/22/2001 16:05	
Selenium	ND	2.0	mg/Kg	1.00	05/22/2001 16:05	
Silver	ND	1.0	mg/Kg	1.00	05/22/2001 16:05	
Thallium	ND	1.0	mg/Kg	1.00	05/22/2001 16:05	
Vanadium	16	1.0	mg/Kg	1.00	05/22/2001 16:05	
Zinc	13	1.0	mg/Kg	1.00	05/22/2001 16:05	

To: **Kennedy/Jenks-San Francisco**
Attn.: Meredith Durant

Test Method: 6010B
Prep Method: 3010A
3050B

Metals

Sample ID: **KB-1-S-2/2.5**
Project: 000128.00
Praxair Oakland
Sampled: 05/17/2001 15:50
Matrix: Soil

Lab Sample ID: **2001-05-0337-013**
Received: 05/17/2001 18:33
Extracted: 05/22/2001 08:17
QC-Batch: 2001/05/22-05.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	05/22/2001 16:08	
Arsenic	1.3	1.0	mg/Kg	1.00	05/22/2001 16:08	
Barium	40	1.0	mg/Kg	1.00	05/22/2001 16:08	
Beryllium	ND	0.50	mg/Kg	1.00	05/22/2001 16:08	
Cadmium	0.75	0.50	mg/Kg	1.00	05/22/2001 16:08	
Chromium	31	1.0	mg/Kg	1.00	05/22/2001 16:08	
Cobalt	6.0	1.0	mg/Kg	1.00	05/22/2001 16:08	
Copper	19	1.0	mg/Kg	1.00	05/22/2001 16:08	
Lead	13	1.0	mg/Kg	1.00	05/22/2001 16:08	
Molybdenum	ND	1.0	mg/Kg	1.00	05/22/2001 16:08	
Nickel	40	1.0	mg/Kg	1.00	05/22/2001 16:08	
Selenium	ND	2.0	mg/Kg	1.00	05/22/2001 16:08	
Silver	ND	1.0	mg/Kg	1.00	05/22/2001 16:08	
Thallium	ND	1.0	mg/Kg	1.00	05/22/2001 16:08	
Vanadium	23	1.0	mg/Kg	1.00	05/22/2001 16:08	
Zinc	33	1.0	mg/Kg	1.00	05/22/2001 16:08	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3010A

Batch QC Report

Metals

Method Blank | **Water** | **QC Batch # 2001/05/18-04.15**

MB: 2001/05/18-04.15-059 | Date Extracted: 05/18/2001 11:14

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	0.0050	mg/L	05/18/2001 14:56	
Arsenic	ND	0.0050	mg/L	05/18/2001 14:56	
Barium	ND	0.0050	mg/L	05/18/2001 14:56	
Beryllium	ND	0.0050	mg/L	05/18/2001 14:56	
Cadmium	ND	0.0020	mg/L	05/18/2001 14:56	
Chromium	ND	0.0050	mg/L	05/18/2001 14:56	
Cobalt	ND	0.0050	mg/L	05/18/2001 14:56	
Copper	ND	0.0050	mg/L	05/18/2001 14:56	
Lead	ND	0.0050	mg/L	05/18/2001 14:56	
Molybdenum	ND	0.0050	mg/L	05/18/2001 14:56	
Nickel	ND	0.0050	mg/L	05/18/2001 14:56	
Selenium	ND	0.0050	mg/L	05/18/2001 14:56	
Silver	ND	0.0050	mg/L	05/18/2001 14:56	
Thallium	ND	0.0050	mg/L	05/18/2001 14:56	
Vanadium	ND	0.0050	mg/L	05/18/2001 14:56	
Zinc	ND	0.010	mg/L	05/18/2001 14:56	

To: **Kennedy/Jenks-San Francisco**

Attn.: Meredith Durant

Test Method: 6010B

Prep Method: 3050B

Batch QC Report

Metals

Method Blank | **Soil** | **QC Batch # 2001/05/22-05.15**

MB: 2001/05/22-05.15-065

Date Extracted: 05/22/2001 08:17

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	05/22/2001 14:06	
Arsenic	ND	1.0	mg/Kg	05/22/2001 14:06	
Barium	ND	1.0	mg/Kg	05/22/2001 14:06	
Beryllium	ND	0.50	mg/Kg	05/22/2001 14:06	
Cadmium	ND	0.50	mg/Kg	05/22/2001 14:06	
Chromium	ND	1.0	mg/Kg	05/22/2001 14:06	
Cobalt	ND	1.0	mg/Kg	05/22/2001 14:06	
Copper	ND	1.0	mg/Kg	05/22/2001 14:06	
Lead	ND	1.0	mg/Kg	05/22/2001 14:06	
Molybdenum	ND	1.0	mg/Kg	05/22/2001 14:06	
Nickel	ND	1.0	mg/Kg	05/22/2001 14:06	
Selenium	ND	2.0	mg/Kg	05/22/2001 14:06	
Silver	ND	1.0	mg/Kg	05/22/2001 14:06	
Thallium	ND	1.0	mg/Kg	05/22/2001 14:06	
Vanadium	ND	1.0	mg/Kg	05/22/2001 14:06	
Zinc	ND	1.0	mg/Kg	05/22/2001 14:06	

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3010A

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/18-04.15**

LCS: 2001/05/18-04.15-060 Extracted: 05/18/2001 11:14 Analyzed 05/18/2001 15:01

LCSD: 2001/05/18-04.15-061 Extracted: 05/18/2001 11:14 Analyzed 05/18/2001 15:05

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	0.452	0.490	0.500	0.500	90.4	98.0	8.1	80-120	20		
Arsenic	0.467	0.513	0.500	0.500	93.4	102.6	9.4	80-120	20		
Barium	0.476	0.520	0.500	0.500	95.2	104.0	8.8	80-120	20		
Beryllium	0.474	0.520	0.500	0.500	94.8	104.0	9.3	80-120	20		
Cadmium	0.456	0.501	0.500	0.500	91.2	100.2	9.4	80-120	20		
Chromium	0.466	0.512	0.500	0.500	93.2	102.4	9.4	80-120	20		
Cobalt	0.461	0.501	0.500	0.500	92.2	100.2	8.3	80-120	20		
Copper	0.466	0.503	0.500	0.500	93.2	100.6	7.6	80-120	20		
Lead	0.452	0.497	0.500	0.500	90.4	99.4	9.5	80-120	20		
Molybdenum	0.461	0.507	0.500	0.500	92.2	101.4	9.5	80-120	20		
Nickel	0.468	0.514	0.500	0.500	93.6	102.8	9.4	80-120	20		
Selenium	0.447	0.486	0.500	0.500	89.4	97.2	8.4	80-120	20		
Silver	0.469	0.507	0.500	0.500	93.8	101.4	7.8	80-120	20		
Thallium	0.464	0.520	0.500	0.500	92.8	104.0	11.4	80-120	20		
Vanadium	0.478	0.522	0.500	0.500	95.6	104.4	8.8	80-120	20		
Zinc	0.435	0.484	0.500	0.500	87.0	96.8	10.7	80-120	20		

To: **Kennedy/Jenks-San Francisco**

Attn: Meredith Durant

Test Method: 6010B

Prep Method: 3050B

REVISED

Batch QC Report

Metals

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/05/22-05.15**

LCS: 2001/05/22-05.15-066 Extracted: 05/22/2001 08:17 Analyzed 05/22/2001 14:11

LCSD: 2001/05/22-05.15-067 Extracted: 05/22/2001 08:17 Analyzed 05/22/2001 14:14

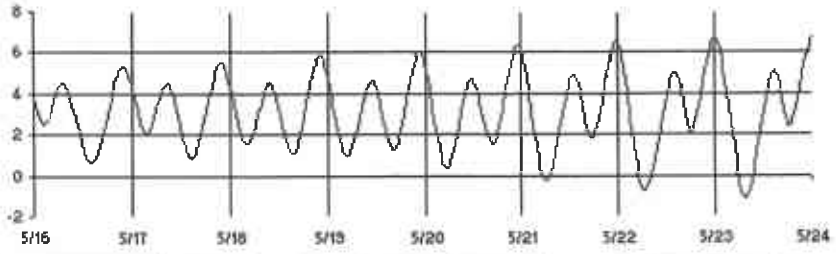
Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Antimony	90.9	91.5	100.0	100.0	90.9	91.5	0.7	80-120	20		
Arsenic	96.4	95.1	100.0	100.0	96.4	95.1	1.4	80-120	20		
Barium	91.3	90.9	100.0	100.0	91.3	90.9	0.4	80-120	20		
Beryllium	91.7	92.8	100.0	100.0	91.7	92.8	1.2	80-120	20		
Cadmium	91.1	90.2	100.0	100.0	91.1	90.2	1.0	80-120	20		
Chromium	92.5	92.0	100.0	100.0	92.5	92.0	0.5	80-120	20		
Cobalt	92.3	91.9	100.0	100.0	92.3	91.9	0.4	80-120	20		
Copper	95.2	96.2	100.0	100.0	95.2	96.2	1.0	80-120	20		
Lead	92.1	90.6	100.0	100.0	92.1	90.6	1.6	80-120	20		
Molybdenum	93.4	92.4	100.0	100.0	93.4	92.4	1.1	80-120	20		
Nickel	91.7	91.1	100.0	100.0	91.7	91.1	0.7	80-120	20		
Selenium	89.5	88.5	100.0	100.0	89.5	88.5	1.1	80-120	20		
Silver	93.4	93.8	100.0	100.0	93.4	93.8	0.4	80-120	20		
Thallium	90.2	89.4	100.0	100.0	90.2	89.4	0.9	80-120	20		
Vanadium	92.9	92.7	100.0	100.0	92.9	92.7	0.2	80-120	20		
Zinc	91.5	90.3	100.0	100.0	91.5	90.3	1.3	80-120	20		

Appendix C

Surveyor's Report

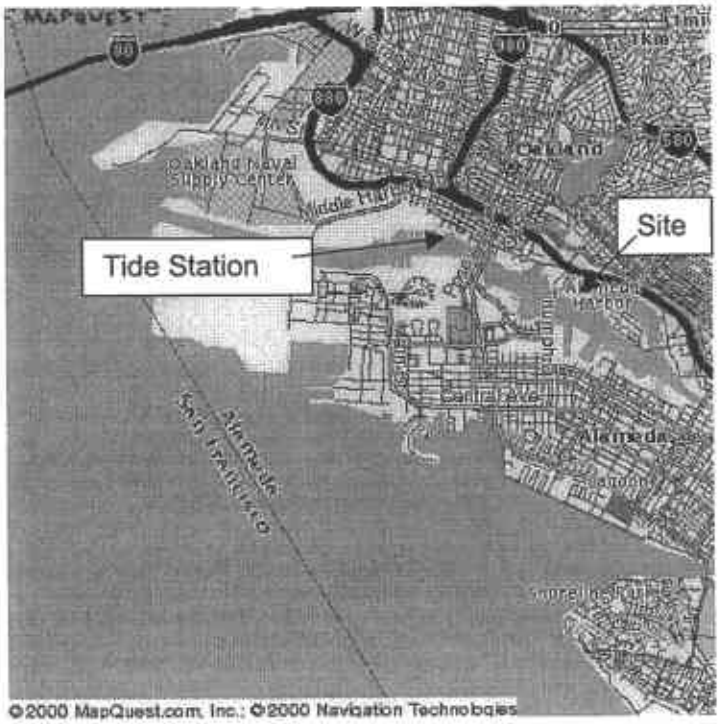
Oakland Inner Harbor - times are local to tide station

Distance: 1.9 miles Latitude x Longitude: 37.800 x -122.283



Wednesday	02:30	07:29	14:06	21:22	05:57	03:24	33%
5/16/2001	2.5	4.5	0.6	5.3	20:14	14:52	
Thursday	03:21	08:41	14:53	21:52	05:57	03:51	24%
5/17/2001	2.0	4.5	0.8	5.5	20:15	15:51	
Friday	04:04	09:48	15:36	22:20	05:56	04:17	16%
5/18/2001	1.5	4.5	1.0	5.8	20:16	16:51	
Saturday	04:42	10:47	16:15	22:47	05:55	04:46	9%
5/19/2001	0.9	4.6	1.2	6.0	20:16	17:54	
Sunday	05:17	11:42	16:53	23:16	05:55	05:16	4%
5/20/2001	0.4	4.7	1.5	6.3	20:17	18:58	
Monday	05:53	12:34	17:31	23:47	05:54	05:50	1%
5/21/2001	-0.2	4.9	1.8	6.5	20:18	20:05	
Tuesday	06:29	13:24	18:09	-	05:53	06:29	1%
5/22/2001	-0.7	5.0	2.1	-	20:19	21:14	
Wednesday	00:21	07:08	14:15	18:50	05:52	08:11	6%
5/23/2001	6.6	-1.1	5.0	2.4	20:20	23:23	

From: http://www.offshoreweather.com/tides.asp



WILSEY HAM
ENGINEERING ■ PLANNING ■ SURVEYING

MEMORANDUM

Date	May 23, 2001	From	Bill Courtillet (650) 286-8408 direct
To	Mike McLeod Kennedy Jenks 303 Second Street Tenth Floor San Francisco, Ca. 94107	Job No.	284-15
Re	Well Points 901 Embarcadero, Oakland, Ca.	Copies To	

Below is the location and elevation data for the four well points marked on the attached exhibit map of the project site at 901 Embarcadero in Oakland, Ca. The coordinates and elevations are based on NAD 83 (1992) and NAVD 88 respectively, per a GPS tie to one NGS horizontal and vertical control point designated as "PORT 1".

SURVEY POINT	NORTHING	EASTING	ELEV.	WELL POINT
10	2114302.163	6054471.857	12.071	KB-15
11	2114350.919	6054310.716	13.838	KB-18
12	2114244.988	6054696.302	11.917	KB-5
13	2114116.137	6054429.560	10.377	KB-8

Bill Courtillet

S:\SURVEY\284-15\5-23-01MEM.doc

383A Vintage Park Drive ■ Foster City, CA 94404 ■ 650/349-2151 ■ Fax: 650/345-4921