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June 1, 2004

Alameda County

JUN 02 2004

Mr. Don Hwang
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-9335

Environmental Health

**Re: Soil Investigation for Site Closure Report
ARCO Service Station #6148
5131 Shattuck Avenue
Oakland, California**

Dear Mr. Hwang:

At the request of Atlantic Richfield Company (RM) - a BP affiliated company, URS Corporation (URS) is pleased to submit results from this Soil Investigation (SI) at Atlantic Richfield Company Service Station #6148 located at 5131 Shattuck Avenue in Oakland, California (Site). URS and RM submitted a Work Plan for Soil Investigation for Site Closure on November 18, 2003 in response to a directive letter from the Alameda County Health Care Services Agency (ACHCSA), dated October 20, 2003 (Attachment A). The field work was completed on April 29, 2004.

As requested in the ACHCSA letter dated October 20, 2003, the soil confirmation results, the fourth quarter 2003 groundwater sampling data, and the first quarter 2004 groundwater sampling data are presented in this Soil Investigation Report. The SI results and historical Site groundwater and soil data confirm insignificant hydrocarbon impactation at the Site, therefore URS and RM request Site closure.

1.0 BACKGROUND

The Site is an active ARCO retail service station located at the southwestern corner of the intersection of 52nd Street and Shattuck Avenue in Oakland, California (Figure 1). The current underground storage tank (UST) complex consists of one 12,000-gallon UST and one 20,000 UST. Product lines and dispensers were replaced in November 2000. Groundwater monitoring and sampling at the Site was initiated in December 1991.

1.1 Geology and Groundwater

The Site is located west of the East Bay Hills and lies within the Berkeley Alluvial Plain, which is a sub-area of the East Bay Alluvial Plain. Soil encountered beneath the Site consists of primarily silty clay to clayey sand and sandy gravel. Groundwater is measured at a depth ranging from 12 to 18 feet below ground surface (bgs) with seasonal fluctuations of 2 to 3 feet (Table 1). Historical groundwater

data indicates groundwater flows generally south-southwest. The soil immediately at the water table ranges from silty sands to sandy gravels (Attachment B). Above the water table the thickness of the sand and gravel based units are limited to approximately 4 feet. A unit comprising of lower permeability sediments ranging from silty clay to sandy silt overlies the aquifer sediments to near surface grade (Attachment B).

1.2 Previous Remediation Activities

On June 1, 1987, Crosby and Oberton, and Erico Construction removed a waste-oil tank from the Site (Figure 2). During tank removal, one soil sample was collected from the bottom of the waste-oil tank pit for characterization. Results indicated petroleum impacted soil was encountered in the tank pit so the pit was over excavated and the soil was disposed at a landfill.

In December 1991, Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) conducted the first phase of subsurface environmental investigation related to the former waste-oil tank. The investigation included drilling four on-site soil borings, B-1 through B-4, in the immediate vicinity of the tank pit, and subsequently converting three of the borings to groundwater monitoring wells MW-1, MW-2, and MW-3 (Figure 2). Results of the investigation indicated the presence of petroleum hydrocarbons in subsurface soil and groundwater beneath the Site (Table 2).

In October 1992, RESNA conducted the second phase of investigation to further assess the extent of petroleum hydrocarbons in the subsurface soils and groundwater beneath the Site. The investigation included drilling four on-site soil borings, B-5 through B-8, and converting the borings to groundwater monitoring wells, MW-4 through MW-7 (Figure 2). Results of the soil samples are included in Table 2.

In April 1993, RESNA conducted the third phase of investigation to further assess the extent of petroleum hydrocarbons in the subsurface soils and groundwater beneath the Site and install remediation wells for pilot testing. The investigation included drilling eleven test borings, TB-1 through TB-11, and installing an air sparge (AS) well, AS-1, in test boring TB-6 (Figure 2). Results of the soil samples are included in Table 2.

RESNA concluded from the three phases of investigation that petroleum hydrocarbons in the subsurface soil were limited to three general areas:

1. Immediate vicinity of the operating service station islands,
2. Along the northern and south-southwestern edges of the former USTs,
3. Immediate vicinity of MW-1, MW-2 and MW-3 in the southern section of the Site.

Additionally, RESNA concluded the contamination is limited to the capillary-fringe zone and petroleum hydrocarbon impact to groundwater was greatest in the south-southwestern portion of the Site (Figure 3).

In July 1993, RESNA drilled three soil borings, B-9, B-10 and B-11, and installed one combination AS/vapor extraction well, AS-2/VW-2, and two vapor extraction wells, VW-1 and VW-3, in the borings. All three wells were installed in the southern portion of the Site in the vicinity of the former waste-oil tank (Figure 3).

In June 1995, EMCON submitted a remedial action plan (RAP) to the Regional Water Quality Control Board (RWQCB) and ACHCSA. The RAP detailed the results of the SVE and AS pilot test conducted by RESNA in February 1995, and proposed an integrated in situ soil and groundwater treatment approach that included: 1) an SVE system for treating petroleum hydrocarbon impacted vadose-zone

and capillary-fringe soils and 2) AS and air-bubbling system for treating petroleum hydrocarbons in saturated soils and groundwater.

On August 14, 1995, ARCO commenced construction activities for the installation of the remediation system. On August 15, 1995, during excavation of a trench approximately 4 feet south of the southern pump island, Balch Petroleum, Inc. (Balch), damaged a gasoline product line at approximately 26 inches below grade. Less than 4 ounces of gasoline leaked from the product line before it was fixed (EMCON 1995). The remediation system was started during September 1995.

In February 1996, EMCON submitted a remedial well installation report for the destruction of one combination AS/SVE well and the installation of eight SVE wells and four AS wells.

The SVE/AS system was used at the Site from September 1995 through February 2000. Approximately 1,894 pounds of total petroleum hydrocarbons as gasoline (TPH-g) and 0.0131 pounds of benzene were removed from the Site using the remediation system.

Beginning in November 2000, the USTs, product lines and dispensers were removed and replaced. The work was completed in January 2001. The current UST complex consists of one 12,000-gallon UST and one 20,000 UST. 552.42 tons (370 cubic yards) were excavated and removed from areas surrounding the product lines, dispensers and USTs in 2000 (Figure 2).

2.0 SOIL INVESTIGATION

The purpose of the SI was to collect confirmation soil samples as requested in the ACHCSA letter dated October 20, 2003 (Attachment A) to evaluate the effectiveness of Site work and investigate the vertical extent of soil contamination near soil borings VW-6 and DP-5. A Work Plan for Soil Investigation for Site Closure was submitted on November 18, 2003 and field work was completed on April 29, 2004.

To evaluate the effectiveness of Site work, which includes remediation by the SVE/AS system, URS advanced 8 soil borings and collected fifteen soil confirmation samples in the immediate vicinity of historical soil borings (B-1, B-2, B-3, B-6, TB-4, TB-7, T1-N, T1-C, VW-6, DP-2, and DP-5) that exceeded the July 2003 California RWQCB Environmental Screening Levels (ESLs) for total petroleum hydrocarbons as gasoline (TPH-g) (100 mg/kg). Unless specified otherwise, the term ESLs in this report is in reference to environmental screening levels established for deep soils (>3m) where groundwater is a current or potential source of drinking water (Attachment C). Historical soil analytical results are summarized on Table 2. Previous boring locations and the confirmation boring locations that were completed are illustrated in Figure 3. The sampling locations and rationale are outlined in Table 3. As a safety precaution, soil confirmation samples were not taken in areas within 4 feet of product/vapor lines or dispensers, and EBM authorization granted for CSB-5, which was within 10 feet of the UST concrete pad.

2.1 Preliminary Field Activities

Before initiating field activities, URS obtained the necessary permits, prepared a Health and Safety Plan (HASP) for the proposed work, cleared the Site for subsurface utilities, and completed the URS borehole checklist. The utility clearance included notifying Underground Service Alert (USA) of the pending work a minimum of 48 hours before initiating the field investigation, securing the services of Cruz Brothers locating company, and obtaining Site plans from the 2000 UST and product line upgrade to confirm the absence of underground utilities at each boring location. As a result, borings CSB-5, CSB-6, CSB-8, CSB-9 were relocated from the locations suggested in the Work Plan (Figure 1). CSB-

4 was moved approximately 35 feet cross-gradient due to inaccessibility of the remediation enclosure area with a drill rig. CSB-7 was not advanced due to the presence of electrical and product lines and an anomalously thick concrete pad of greater than 24 inches. CSB-9 was advanced cross gradient of CSB-7 and adequately represents local Site conditions.

A site-specific HASP addressing the soil boring activities was prepared for personnel implementing the Work Plan. A copy of the HASP was available on-site at all times. A safety tailgate meeting was conducted with subcontractors and URS employees on-site to review the Site hazards and drilling work scope.

2.2 Soil Boring Sampling and Results

Eight soil borings were advanced to approximately 2 to 30 feet below ground surface (bgs) under the supervision of a URS field geologist using Air-knife and Geoprobe® rigs (Figure 3). URS health and safety protocol for utility clearance requires the boring locations be air-knifed or hand augured to 5 feet bgs. The Geoprobe® rig was used to log the borings and collect soil samples. Soils were classified by a URS field geologist according to the Unified Soil Classification System (USCS) and examined using visual and manual methods for parameters including odor, staining, color, grain size, and moisture content. Soil samples for analysis were collected as described on Table 3.

Each soil sample collected for possible chemical analysis was covered at each end with Teflon™ sheeting, capped with plastic end caps, labeled, and placed in an ice-filled cooler for preservation. The soil sample taken at 2 feet bgs (CSB-8-2) was collected from hand auger cuttings, and placed in a brass tube sealed at both ends with Teflon™ sheeting and plastic caps. The samples were then transported under chain-of-custody protocol to Severn Trent Laboratories (STL), a California State-certified analytical laboratory. Soil samples were analyzed by EPA Method 8260B for the following:

- GRO and BTEX compounds
- MTBE and other fuel oxygenates
- Volatile Organic Compounds

Results from the 15 soil samples collected at this Site are summarized in Tables 4 and 5 with complete analytical results in Attachment D. GRO were detected above the laboratory reporting limit in eight samples at concentrations ranging from 1.0 milligram per kilogram (mg/kg) (CSB-5-18.0) to 750 mg/kg (CSB-3-17.5). All detections for GRO were in samples collected from 16 to 26 feet bgs. Benzene was detected above the laboratory reporting limit in one sample (CSB-6-16.0) at a concentration of 0.007 mg/kg. Toluene was detected above the laboratory reporting limit in two samples at concentrations of 0.0056 mg/kg (CSB-6-16.0) and 0.74 mg/kg (CSB-2-18.0). Ethyl-benzene was detected above the laboratory reporting limit in three samples at concentrations ranging from 0.25 mg/kg (CSB-6-16.0) to 13 mg/kg (CSB-2-18.0). Xylenes were detected above the laboratory reporting limit in two samples at concentrations of 0.0099 mg/kg (CSB-6-16.0) and 100 mg/kg (CSB-2-18.0). MTBE was not detected above the laboratory reporting limit in any of the samples. Samples were also analyzed for the fuel oxygenates Di-isopropyl ether, Ethyl tert-butyl ether, tert-Amyl methyl ether, and tert-Butyl alcohol (TBA). Only TBA was detected in two samples above laboratory reporting limits at concentrations of 0.012 mg/kg (CSB-9-11.5) and 0.014 mg/kg (CSB-8-2).

2.3 Waste Disposal

Investigation-derived waste soil and water were temporarily stored on-site in 55-gallon, Department of Transportation-approved 17H drums and characterized for proper waste disposal. The waste was disposed of in accordance with applicable regulations based on soil characterization results at a California regulated facility.

2.4 Site Characterization of Soils

For the purpose evaluating the effectiveness of remediation at the Site, Table 6 compares this SI analytical data to relevant historical soil analytical data based on location. Soil analytical data from all previous soil sampling events in 1991, 1992, 1993, 1995, and 2000 are also included in Table 2.

In order to understand the Site's current environmental risks, Table 6 also includes the 2003 RWQCB Environmental Screening Levels (ESLs) for deep soils (>3 m) where groundwater is a current or potential source of drinking water (Attachment C). It is important to consider that the presence of constituents of concern (COC) at concentrations in excess of an ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring.

Four samples (CSB-1-17.5, CSB-2-18.0, CSB-3-17.5, and CSB-9-16.5) within 16.5-18.0 feet bgs had GRO concentrations above the ESL reporting limit of 100mg/kg. One sample (CSB-2-18.0) also had a xylene concentration that exceeded the ESL reporting limit of 1.5 mg/kg. No other COC were detected above ESLs. It is also clear that the extent of petroleum hydrocarbons that exceed ESLs is limited to two discrete locations.

Samples CSB-1-17.5, CSB-2-18.0, and CSB-3-17.5 are all clustered downgradient of the former waste oil tank at the southwest corner of the Site (Figure 3). While the soil analytical results range from 750 mg/kg to 590 mg/kg in at these three locations, quarterly groundwater monitoring data from the corresponding wells MW-1, MW-2, and MW-3 has yielded concentrations below the ESL for GRO since at least first quarter of 2003 at MW-1 and MW-2 and since the second quarter of 2003 at MW-3 (Table 1). The groundwater data provides evidence that the local contaminant plume in the soil is stable and not leaching into the groundwater.

The other location where GRO were detected above the ESL is on the east side of the dispensing island closest to the station building. The sample (CSB-9-16.5) was taken approximately 15 feet cross gradient from a sample (TB-7) taken in November 2000 during the UST/product line upgrade. The GRO concentration has apparently attenuated from 610 mg/kg (TB-7) to 170 mg/kg (CSB-9-16.5), or the contaminant plume is laterally constrained and is not moving crossgradient. All samples taken at other depths at CSB-9 yielded concentrations below the ESLs for GRO, BTEX, and MTBE. This provides evidence that the contaminant plume is also vertically confined. In addition to this, 552.42 tons (370 cubic yards) were excavated and removed from areas surrounding the product lines, dispensers and USTs in 2000 (Figure 2).

In addition to the residual COC's in soil impact on groundwater, direct exposure to human receptors from Site soils was considered. Human receptors that may potentially come in direct contact with soils include construction/trench workers. A comparison of ESLs protective of construction workers was used to evaluate potential health risk to direct exposure from soil. ESLs from Table K-3, *Direct Exposure Screening Levels Construction/Trench Worker Exposure*, in Volume 2 of the ESL document (RWQCB 2003) were compared with concentrations in Site soil (Attachment C). There were no exceedances of the selected direct exposure ESL.

3.0 Recommendations

The results of the SI at Site 6148 confirm two very localized areas of hydrocarbon impacted soil located near the former waste oil tank and near the east end of the dispenser island closest to the station building. Leaching of residual hydrocarbons from soils into the groundwater is minimal based on concentrations of GRO in the soil (CSB-1-17.5, CSB-2-18.0, and CSB-3-17.5) and the groundwater analytical data from proximal monitoring wells (MW-1, MW-2, and MW-3) (Table 4 and Table 1, respectively). Soil at the Site has been fully characterized from the prior through the most recent sampling events, therefore no further sampling of soil is recommended at the Site.

Recommendations for Site 6148 include continued quarterly groundwater monitoring at wells MW-1, MW-2, MW-3, and MW-5 through 2004. URS also recommends annual groundwater monitoring at monitoring wells MW-4, MW-6, and MW-7. In the absence of detections above ESLs in groundwater for GRO, BTEX, or MTBE compounds, we are recommending closure at the end of 2004.

This report is based on data, Site conditions, and other information that are generally applicable as of the date of the report, and the conclusions and recommendations herein are therefore applicable only to that time frame. Background information, including but not limited to previous field measurements, analytical results, Site plans, and other data has been furnished to URS by RM, its previous consultants, and/or third parties that URS has used in preparing this report. URS has relied on this information as furnished. URS is not responsible for nor has it confirmed the accuracy of this information. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory. URS has not performed an independent review of the data and is neither responsible for nor has confirmed the accuracy of these data.

We appreciate the opportunity to submit this Soil Investigation for Site Closure to ACHCSA and trust that this document meets with your approval. Please notify us of your approval as soon as practicable. If you have any questions or concerns, feel free to contact me at (510) 874-3280.

Sincerely,

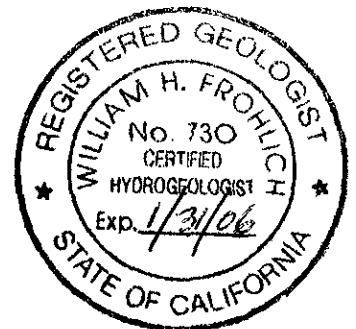
URS CORPORATION



Scott Robinson
Project Manager



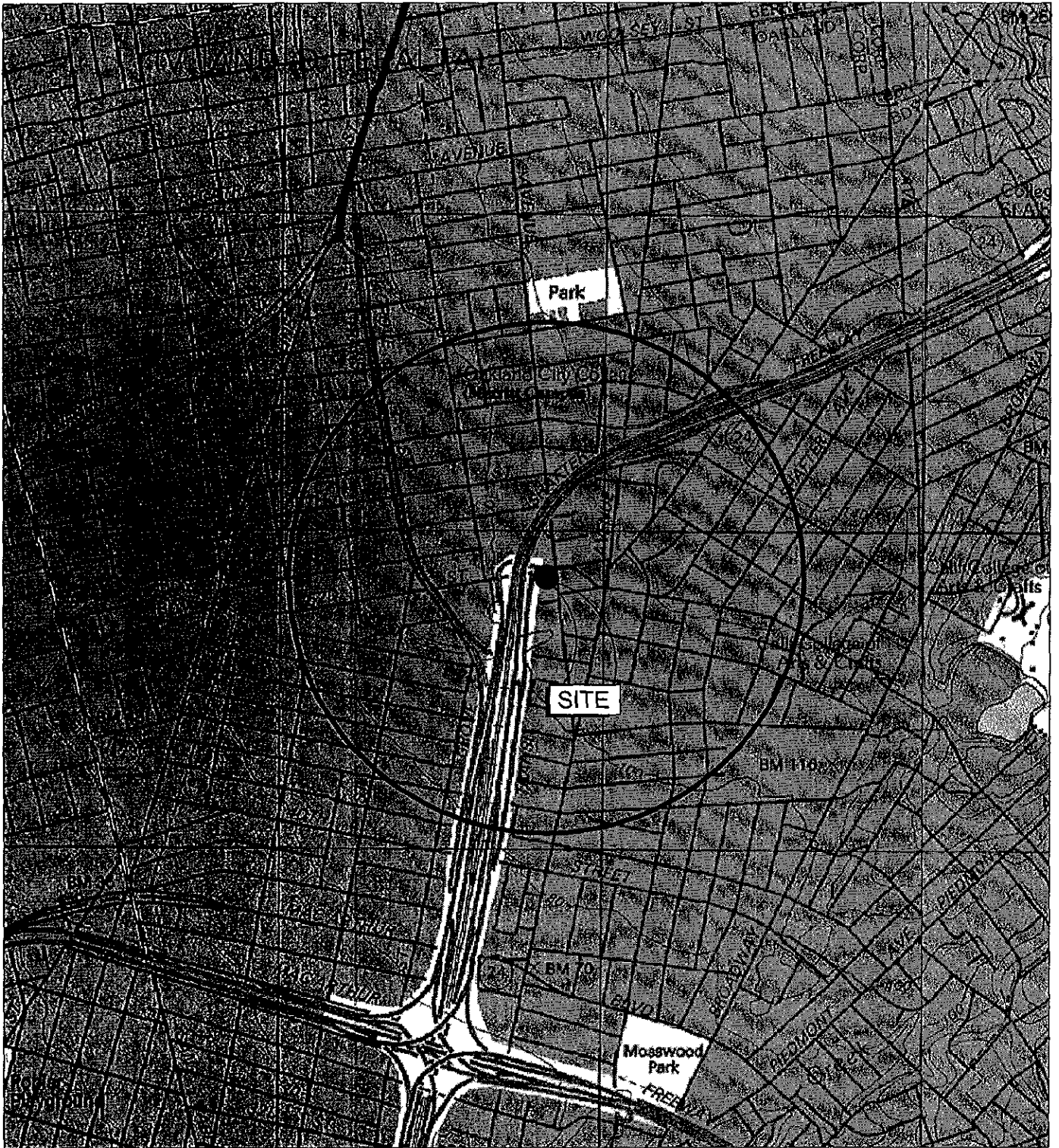
William Frohlich, C.Hg., C.E.G.
Project Geologist



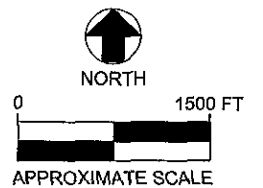
- Attachments:
- Figure 1 Site Location
 - Figure 2 Site Map with Historical Soil Boring Locations and 2000 excavation areas.
 - Figure 3 Site map with Confirmation Soil Boring locations and relevant historical soil sampling locations.
 - Table 1 Groundwater Elevation and Analytical Data
 - Table 2 Historical Soil Analytical Data
 - Table 3 Rationale for Confirmation Soil Boring Locations
 - Table 4 Soil Analytical Results for GRO, BTEX, and MTBE
 - Table 5 Soil Analytical Results for Fuel Oxygenates
 - Table 6 Comparison of current and historical soil analytical data based on location
 - Attachment A Alameda County Health Care Services Agency letter, October 20, 2003
 - Attachment B Boring Logs from April 29, 2004
 - Attachment C ESL Table C. Deep Soils (>3m bgs): Groundwater IS Current or Potential Source of Drinking Water.
ESL Table K-3. Direct Exposure Screening Levels: Construction/Trench Worker Exposure Scenario.
 - Attachment D Lab Results

Mr. Paul Supple, RM (electronic copy uploaded to ENFOS)

cc: Mr. Janie O'Conner, City of Fremont Fire Department, Hazardous Material Unit, P.O. Box 5006, Fremont, CA 94537



REF: BASE MAP FROM USGS TOPOI
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1998



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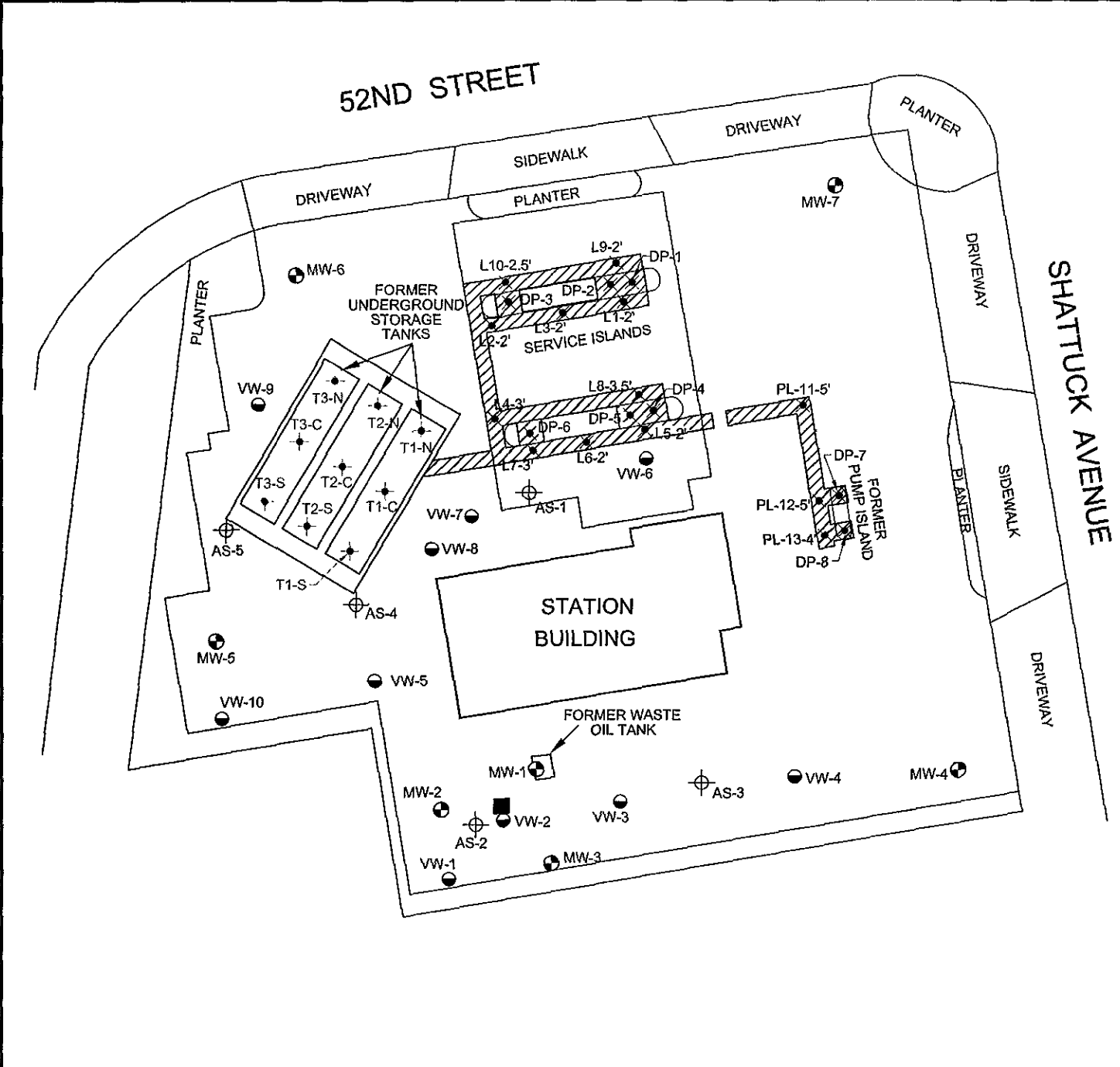
URS

Project No. 38486907
Arco Service Station 6148
5131 Shattuck Avenue
Oakland, California








SITE LOCATION MAP

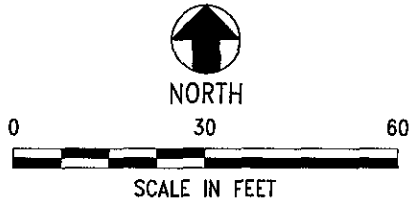
FIGURE
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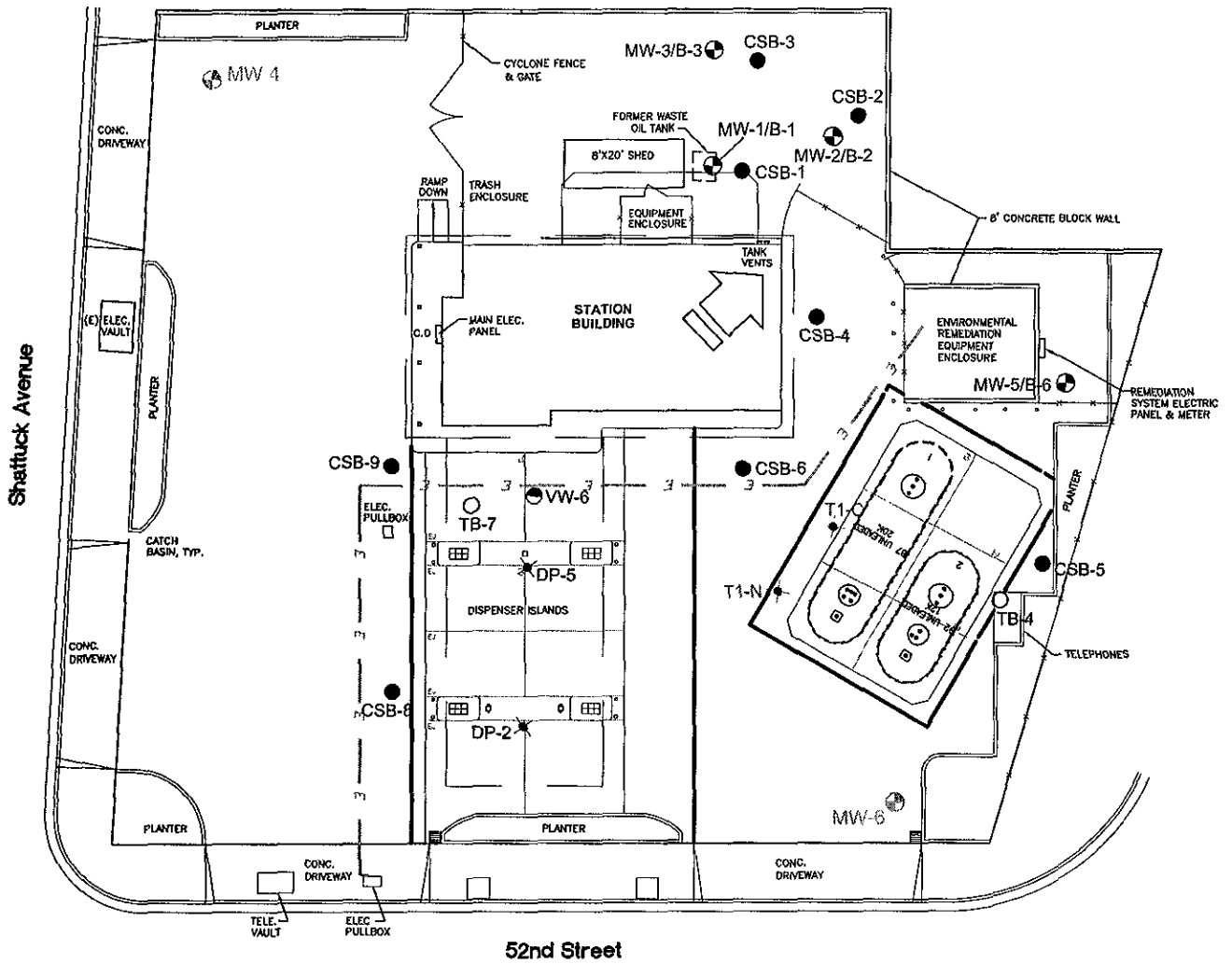
LEGEND:

-  MONITORING WELL
-  AIR SPARGING WELL
-  SOIL VAPOR EXTRACTION WELL
-  DESTROYED WELL
-  TANK BASIN SOIL SAMPLE LOCATIONS
-  FORMER PRODUCT LINE/ DISPENSER PUMP SOIL SAMPLE LOCATIONS
-  EXCAVATION AREA



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486907	HISTORICAL SOIL SAMPLE LOCATIONS	FIGURE 2
	Arco Service Station 6148 5131 Shattuck Avenue Oakland, California		



LEGEND:

- CONFIRMATION SOIL BORING
- HISTORICAL SOIL BORING
- ⊗ MONITORING WELL
- ⊙ SOIL VAPOR EXTRACTION WELL
- ⊛ TANK BASIN SOIL SAMPLE
- ⊠ FORMER PRODUCT LINE/ DISPENSER PUMP SOIL SAMPLE
- E ELECTRICAL LINE
- ← HISTORIC GROUNDWATER FLOW DIRECTION (APPROXIMATE)



NORTH

0 30 60



SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

Table 1
Groundwater Elevation and Analytical Data

Atlantic Richfield Company
Service Station # 6148
5131 Shattuck Avenue
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁵ (mg/L)	pH ⁵	
MW-1	06/21/00	107.80	17.49	90.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<3.0	NA	NA	
	09/20/00		17.64	90.16	ND<50	ND<0.5	0.677	ND<0.5	0.969	ND<2.5	NA	NA	
	12/22/00		16.87	90.93	186	5.38	0.522	9.52	30.2	8.91	NA	NA	
	03/26/01		16.60	91.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.1	NA	NA	
	05/30/01		17.10	90.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	09/23/01		17.53	90.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.7	NA	NA	
	12/28/01		15.57	92.23	ND<50	2.7	ND<0.5	ND<0.5	ND<0.5	20	NA	NA	
	03/21/02		15.57	92.23	NS	NS	NS	NS	NS	NS	NA	NA	
	04/17/02		16.25	91.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	08/19/02		17.69	90.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	2.0	7.1	
	11/27/02		17.45	90.35	ND<50	ND<0.50	1.8	0.65	3.5	1.7	1.0	6.3	
	02/05/03 ⁴		16.93	90.87	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	1.2	7.3	
	05/13/03	NP	16.95	90.85	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.0	6.5	
	07/31/03	NP	17.74	90.06	90.06	ND<50	ND<0.50	ND<0.50	ND<0.50	0.55	1.2	6.0	
MW-2	06/21/00	107.28	17.19	90.09	69	ND<0.5	ND<0.5	ND<0.5	ND<1.0	12	NA	NA	
	09/20/00		17.31	89.97	ND<50	0.964	ND<0.5	ND<0.5	ND<0.5	5.05	NA	NA	
	12/22/00		16.58	90.70	2,140	174	60.2	118	438	123	NA	NA	
	03/26/01		16.45	90.83	8,490	333	148	495	1,660	ND<250	NA	NA	
	05/30/01		16.83	90.45	4,700	200	71	260	780	43	NA	NA	
	09/23/01		17.30	89.98	160	5.9	1.8	0.80	41	14	NA	NA	
	12/28/01		15.38	91.90	1,800	54	ND<5.0	ND<5.0	240	30	NA	NA	
	03/21/02		15.36	91.92	NS	NS	NS	NS	NS	NS	NA	NA	
	04/17/02		16.01	91.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	NA	NA	
	08/19/02		17.53	89.75	170 ¹	22	0.92	14	26	ND<2.5	3.0	6.9	
	11/27/02		17.21	90.07	340	22	0.68	13	26	ND<0.50	1.6	6.6	
	02/05/03 ⁴		16.72	90.56	83	2.7	ND<0.50	0.97	15	4.3	0.7	7.0	
	05/13/03 ⁶	NP	16.72	90.56	90.56	ND<50	0.91	ND<0.50	ND<0.50	0.60	2.8	0.7	6.5
	07/31/03	NP	17.51	89.77	89.77	ND<50	ND<0.50	ND<0.50	ND<0.50	2.0	7.1	6.7	

Table 1
Groundwater Elevation and Analytical Data

Atlantic Richfield Company
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Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁵ (mg/L)	pH ⁵
MW-3	06/21/00	107.61	17.52	90.09	200	ND<0.5	ND<0.5	ND<0.5	2.1	24	NA	NA
	09/20/00		17.61	90.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	20	NA	NA
	12/22/00		16.85	90.76	227	4.73	1.06	2.58	5.22	27.3	NA	NA
	03/26/01		16.79	90.82	287	6.29	1.58	6.47	12.1	24.2	NA	NA
	05/30/01		17.11	90.50	500	10	ND<0.5	7.00	16	20	NA	NA
	09/23/01		17.57	90.04	400	6.4	0.74	ND<0.5	0.62	22	NA	NA
	12/28/01		15.41	92.20	270	2.5	2.4	ND<0.5	2.3	9.2	NA	NA
	03/21/02		15.58	92.03	NS	NS	NS	NS	NS	NS	NA	NA
	04/17/02		16.25	91.36	360	2.5	0.72	ND<0.5	ND<0.5	12	NA	NA
	08/19/02		17.66	89.95	750 ²	11	2.1	ND<0.5	2.4	14	1.4	6.8
	11/27/02		17.69	89.92	470	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	6.6
	02/05/03 ⁴		16.82	90.79	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	1.3	6.6
	05/13/03	NP	17.12	90.49	300	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.2	1.4	6.7
07/31/03	NP	17.72	89.89	320	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1	1.4	6.8	
MW-4	06/21/00	106.71	16.00	90.71	1,400	5.3	7.3	36	85	4	NA	NA
	09/20/00		16.03	90.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	12/22/00		NM	NC	NS	NS	NS	NS	NS	NS	NS	NS
	03/26/01		15.05	91.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	05/30/01		15.62	91.09	NS	NS	NS	NS	NS	NS	NS	NS
	09/23/01		16.07	90.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	12/28/01		13.68	93.03	NS	NS	NS	NS	NS	NS	NS	NS
	03/21/02		14.04	92.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	04/17/02		14.78	91.93	NS	NS	NS	NS	NS	NS	NS	NS
	08/19/02		16.18	90.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	1.4	6.8
	11/27/02		15.89	90.82	NS	NS	NS	NS	NS	NS	NS	NS
	02/05/03 ⁴		15.40	91.31	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.1	6.6
	05/13/03		15.42	91.29	NS	NS	NS	NS	NS	NS	NS	NS
07/31/03	P	16.23	90.48	90.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.4	6.4

Table 1
Groundwater Elevation and Analytical Data

Atlantic Richfield Company
Service Station # 6148
5131 Shattuck Avenue
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁵ (mg/L)	pH ⁵	
MW-5	06/21/00	106.60	16.52	90.08	67	ND<0.5	ND<0.5	ND<0.5	ND<1.0	10	NA	NA	
	09/20/00		16.34	90.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.48	NA	NA	
	12/22/00		15.58	91.02	341	11.5	2.53	4.02	6.25	146	NA	NA	
	03/26/00		15.45	91.15	767	12.4	ND<5.0	ND<5.0	ND<5.0	163	NA	NA	
	05/30/01		15.77	90.83	110	2.3	ND<0.5	ND<0.5	0.81	72	NA	NA	
	09/23/01		16.16	90.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	12/28/01		14.09	92.51	240	2.8	1.9	ND<0.5	2.6	48	NA	NA	
	03/21/02		14.43	92.17	NS	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NS	NS	NS	
	04/17/02		14.96	91.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	08/19/02		16.34	90.26	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	
	11/27/02			NM ³	NM ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS	
	02/05/03 ⁴			NM ³	NM ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	NS ³	
	05/13/03 ⁶	NP		15.43	91.17	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	1.4	6.2
	07/31/03	NP		16.47	90.13	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.2	14.1	8.1
MW-6	06/21/00	105.13	13.91	91.22	NS	NS	NS	NS	NS	NS	NS	NS	
	09/20/00		14.03	91.10	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/00		NM	NC	NS	NS	NS	NS	NS	NS	NS	NS	
	03/26/01		12.59	92.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	05/30/01		13.40	91.73	NS	NS	NS	NS	NS	NS	NS	NS	
	09/23/01		13.49	91.64	NS	NS	NS	NS	NS	NS	NS	NS	
	12/28/01		12.07	93.06	NS	NS	NS	NS	NS	NS	NS	NS	
	03/21/02		11.79	93.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA	
	04/17/02		12.45	92.68	NS	NS	NS	NS	NS	NS	NS	NS	
	08/19/02		13.96	91.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	2.8	6.9	
	11/27/02		14.07	91.06	NS	NS	NS	NS	NS	NS	NS	NS	
	02/05/03 ⁴		13.55	91.58	NS	NS	NS	NS	NS	NS	NS	NS	
	05/13/03		13.57	91.56	NS	NS	NS	NS	NS	NS	NS	NS	
	07/31/03	P		14.18	90.95	67	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.8	6.5

Table 1
Groundwater Elevation and Analytical Data

Atlantic Richfield Company
Service Station # 6148
5131 Shattuck Avenue
Oakland, California

Well Number	Date Sampled	Top of Riser Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	TPH as Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Dissolved Oxygen ⁵ (mg/L)	pH ⁵
MW-7	06/21/00	107.05	14.57	92.48	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/00		14.58	92.47	NS	NS	NS	NS	NS	NS	NS	NS
	12/22/00		13.21	93.84	NS	NS	NS	NS	NS	NS	NS	NS
	03/26/01		13.18	93.87	71.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	05/30/01		13.80	93.25	NS	NS	NS	NS	NS	NS	NS	NS
	09/23/01		14.27	92.78	NS	NS	NS	NS	NS	NS	NS	NS
	12/28/01		12.24	94.81	NS	NS	NS	NS	NS	NS	NS	NS
	03/21/02		12.16	94.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	NA	NA
	04/17/02		13.08	93.97	NS	NS	NS	NS	NS	NS	NS	NS
	08/19/02		14.73	92.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	1.4	6.7
	11/27/02		14.76	92.29	NS	NS	NS	NS	NS	NS	NS	NS
	02/05/03 ⁴		14.07	92.98	NS	NS	NS	NS	NS	NS	NS	NS
	05/13/03		14.00	93.05	NS	NS	NS	NS	NS	NS	NS	NS
	07/31/03	P	14.88	92.17	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.6	6.4

Table 1
Groundwater Elevation and Analytical Data

Atlantic Richfield Company Service Station # 6148
5131 Shattuck Avenue
Oakland, California

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B unless otherwise noted (Prior to 2/5/03)

µg/L = Milligrams per liter

mg/L = Micrograms per liter

NA = Not available

NS = Not Sampled

ND< = Not detected above specified laboratory detection limit

P = Purge

NP = No Purge

1 = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

2 = Chromatogram Pattern: Gasoline C6-C10

3 = Well MW-5 not sampled due to ORC sock wedged in well.

4 = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 1st Quarter Sampling Event (2/5/03)

5 = pH and dissolved oxygen are field measurements.

6 = During this monitoring event, the oxygen releasing compounds (ORC) were replaced for this well.

Source: The data within this table collected prior to August 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

**Table 2
Historical Soil Sample
Laboratory Analytical Results**

Atlantic Richfield Company
Service Station #6148
5131 Shattuck Avenue
Oakland, California

Investigation Phase	Sample ID	Sample Date	Sample Depth (feet bgs)	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)
1st Phase of Investigation	S-17.5-B1	1991	17.5	470	2.3	5.1	5.1	24
	S-22.5-B1	1991	22.5	<1.0	0.010	<0.0050	<0.0050	<0.0050
	S-26.5-B1	1991	26.5	2.0	0.026	0.014	0.011	0.049
	S-12-B2	1991	12	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-17-B2	1991	14	740	2.3	13	7.7	41
	S-25.5-B2	1991	25.5	<1.0	0.015	0.016	<0.0050	0.019
	S-30.5-B2	1991	30.5	<1.0	0.015	0.0080	<0.0050	<0.0050
	S-10.5-B3	1991	10.5	<1.0	<0.0050	0.0070	<0.0050	<0.0050
	S-17.5-B3	1991	17.5	320	0.65	0.65	2.3	5.9
	S-26.5-B3	1991	26.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-10.5-B4	1991	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-15.5-B4	1991	15.5	<1.0	0.010	<0.0050	<0.0050	<0.0050
	S-18.5-B4	1991	18.5	65	0.42	0.22	0.54	0.77
	S-20-B4	1991	20	<1.0	0.0070	<0.0050	<0.0050	<0.0050
2nd Phase of Investigation	S-9.5-B5	1992	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-14.5-B5	1992	14.5	<1.0	0.13	<0.0050	<0.0050	0.0050
	S-31.5-B5	1992	31.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-9.5-B6	1992	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-16.5-B6	1992	16.5	190	0.24	0.55	1.0	1.3
	S-27.5-B6	1992	27.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-10-B7	1992	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-15-B7	1992	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-29.5-B7	1992	29.5	<1.0	<0.0050	<0.0050	<0.0050	0.025
	S-9.5-B8	1992	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-14.5-B8	1992	14.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-33.5-B8	1992	33.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
3rd Phase of Investigation	S-6-TB1	4/26/93	6	<1.0	<0.0050	0.014	<0.0050	0.018
	S-9.5-TB1	4/26/93	9.5	<1.0	<0.0050	0.011	<0.0050	0.029
	S-15-TB1	4/26/93	15	2.5	0.12	0.042	0.014	0.027
	S-5.5-TB2	4/26/93	5.5	<1.0	<0.0050	0.014	<0.0050	0.011
	S-9.5-TB2	4/26/93	9.5	<1.0	<0.0050	0.015	<0.0050	0.012
	S-15-TB2	4/26/93	15	5.3	0.84	0.062	0.13	0.21
	S-6.5-TB3	4/27/93	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-9.5-TB3	4/27/93	9.5	<1.0	<0.0050	<0.0050	<0.0050	0.013
	S-15-TB3	4/27/93	15	3.2	0.11	0.079	0.023	0.12
	S-6.5-TB4	4/27/93	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-9.5-TB4	4/27/93	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-15-TB4	4/27/93	15	470	0.76	0.17	4.7	15
	S-6.5-TB5	4/27/93	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-9.5-TB5	4/27/93	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-15-TB5	4/27/93	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-6.5-TB6	4/27/93	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	S-9.5-TB6	4/27/93	9.5	20	<0.0050	<0.0050	0.074	0.61
	S-15-TB6	4/27/93	15	25	0.30	2.4	1.0	6.3
	S-28-TB6	4/27/93	28	<1.0	0.0054	0.025	<0.0050	0.016
	S-5-TB7	4/26/93	5	<1.0	<0.0050	<0.0050	<0.0050	0.032
	S-12-TB7	4/26/93	12	3.9	0.23	0.35	0.054	0.50
	S-15-TB7	4/26/93	15	28	1.4	3.9	0.80	4.7
	S-16.5-TB7	4/26/93	16.5	610	4.1	36	15	91
S-4.5-TB8	4/26/93	4.5	<1.0	0.014	0.036	<0.0050	0.019	
S-9.5-TB8	4/26/93	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	
S-15-TB8	4/26/93	15	<1.0	0.009	0.034	0.072	0.029	
S-18-TB8	4/26/93	18	<1.0	0.0095	0.020	<0.0050	0.015	
S-3.5-TB9	4/26/93	3.5	<1.0	<0.0050	0.0087	<0.0050	0.0089	
S-9.5-TB9	4/26/93	9.5	6.7	0.019	0.024	0.049	0.45	
S-15-TB9	4/26/93	15	3.9	0.092	0.020	0.014	0.51	
S-5-TB10	4/26/93	5	<1.0	<0.0050	<0.0050	<0.0050	0.0080	
S-9.5-TB10	4/26/93	9.5	<1.0	0.011	0.020	<0.0050	0.0071	
S-14.5-TB10	4/26/93	14.5	<1.0	0.011	0.016	<0.0050	0.0078	
S-6.5-TB11	4/27/93	6.5	<1.0	0.020	0.016	<0.0050	0.011	
S-9.5-TB11	4/27/93	9.5	<1.0	0.080	0.012	<0.0050	0.028	
S-15-TB11	4/27/93	15	19	1.9	0.080	0.51	0.83	

**Table 2
Historical Soil Sample
Laboratory Analytical Results**

Atlantic Richfield Company
Service Station #6148
5131 Shattuck Avenue
Oakland, California

Investigation Phase	Sample ID	Sample Date	Sample Depth (feet bgs)	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)
Additional Investigation	B9-1-5	7/1993	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	B9-2-9.5	7/1993	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	B9-3-14.5	7/1993	14.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	B9-5-25	7/1993	25	<1.0	0.0060	<0.0050	<0.0050	<0.0050
	B10-3-16	7/1993	16	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	B10-6-28	7/1993	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
	B11-3-14.5 B11-5-24.5	7/1993 7/1993	14.5 24.5	<1.0 4.1	<0.0050 0.20	<0.0050 0.52	<0.0050 0.13	<0.0050 0.66
AS/SVE Well Installations	AS-3	8/2/95	16	<1	0.35	<0.005	<0.005	<0.005
	AS-3	8/2/95	26.5	<1	<0.005	<0.005	<0.005	0.007
	AS-4	8/2/95	14	<1	0.009	<0.005	<0.005	0.0045
	AS-4	8/2/95	26.5	<1	<0.005	<0.005	<0.005	<0.005
	AS-5	8/2/95	28.5	<1	<0.005	<0.005	<0.005	<0.005
	VW-2	7/31/95	16.5	<1	<0.005	<0.005	<0.005	<0.005
	VW-4	7/31/95	16	<1	<0.005	<0.005	<0.005	<0.005
	VW-5	7/31/95	21.5	<1	<0.005	<0.005	<0.005	<0.005
	VW-5	8/1/95	16	74	0.7	<0.2	0.9	1.0
	VW-6	8/1/95	6	3,100	<5	86	63	430
	VW-6	8/3/95	8	2,300	<5	51	48	310
	VW-6	8/3/95	11.5	2,100	<2	7.3	16	110
	VW-6	8/3/95	16	1,700	5.9	94	44	240
	VW-7	8/3/95	17	30	0.3	0.5	0.6	2.8
	VW-8	8/1/95	26	<1	<0.005	<0.005	<0.005	<0.005
VW-9	8/1/95	16.5	6	<0.025	<0.025	<0.025	<0.025	
VW-9	8/1/95	26	<1	<0.005	<0.005	<0.005	<0.005	
VW-10	8/1/95	16	<1	<0.005	<0.005	<0.005	<0.005	
VW-10	8/1/95	21	<1	<0.005	<0.005	<0.005	<0.005	
Tank and Piping Removal and Replacement	DP-1	11/14/00	2.0	5.32	0.014	0.0638	0.011	0.318
	DP-2	11/14/00	2.0	132	<0.1	0.265	0.86	14.5
	DP-3	11/14/00	2.0	<1.0	<0.005	<0.005	<0.005	0.0203
	DP-4	11/14/00	2.0	5.16	0.0226	0.134	0.0564	0.7999
	DP-5	11/14/00	2.0	2,390	<1.0	1.18	8.86	140
	DP-6	11/14/00	2.0	<2.0	<0.01	<0.01	<0.01	0.0165
	DP-7	12/22/00	4.0	<1.0	<0.005	<0.005	<0.005	0.00581
	DP-8	12/22/00	4.0	<1.0	<0.005	<0.005	<0.005	0.00834
	L-1	11/14/00	2.0	3.55	<0.005	<0.005	<0.005	0.0135
	L-2	11/14/00	2.0	<2.0	<0.005	<0.005	<0.005	<0.005
	L-3	11/14/00	2.0	<2.0	<0.01	<0.01	<0.01	<0.01
	L-4	11/14/00	3.0	<2.0	<0.01	<0.01	<0.01	<0.01
	L-5	11/14/00	2.0	<1.0	<0.005	<0.005	<0.005	0.0102
	L-6	11/14/00	2.0	5.8	<0.005	0.0106	0.0184	0.0207
	L-7	11/14/00	3.0	<2.0	<0.01	<0.01	<0.01	0.0237
	L-8	11/14/00	3.5	<1.0	<0.005	<0.005	<0.005	<0.005
	L-9	11/14/00	2.0	13.2	<0.005	0.00757	0.118	0.123
	L-10	11/14/00	2.5	1.15	<0.005	<0.005	<0.005	<0.005
	PL-11	11/14/00	5.0	<1.0	<0.005	<0.005	<0.005	0.00667
	PL-12	12/22/00	4.0	<1.0	<0.005	<0.005	<0.005	0.0056
	PL-13	12/22/00	4.0	<1.0	<0.005	<0.005	<0.005	<0.005
	T1-N	11/14/00	16.0	4,470	<2.0	105	73	404
	T1-C	11/14/00	16.0	981	<1.0	<1.0	<1.0	<1.0
	T1-S	11/14/00	16.0	<200	<1.0	<1.0	<1.0	<1.0
	T2-N	11/14/00	16.0	14.8	0.0299	0.025	0.2	0.655
T2-C	11/14/00	16.0	33.1	0.0175	<0.01	<0.01	2.1	
T2-S	11/14/00	16.0	<2.0	<0.01	<0.01	<0.01	0.0188	
T3-N	11/14/00	16.0	<2.0	<0.01	<0.01	<0.01	0.0264	
T3-C	11/14/00	16.0	<2.0	<0.01	<0.01	<0.01	0.0102	
T3-S	11/14/00	16.0	<2.0	<0.01	<0.01	<0.01	<0.01	

Notes:

Results in **BOLD** exceed California RWQCB ESLs for TPH-g of 100 mg/kg during initial investigations

TPH-g total petroleum hydrocarbons as gasoline

bgs below ground surface

mg/kg milligrams per kilograms

**Table 3
Confirmation Soil Samples and Rational**

Atlantic Richfield Company
Service Station #6148
5131 Shattuck Boulevard

Oakland, California

Sample ID	Rational for Soil Boring Location
CSB-1-17.5	Approximate location of soil boring B1/MW-1 (TPH-g = 470 mg/kg at 17.5 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-2-14.0 CSB-2-18.0	Approximate location of soil boring B2/MW-2 (TPH-g = 740 mg/kg at 14 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-3-17.5	Approximate location of soil boring B3/MW-3 (TPH-g = 320 mg/kg at 17.5 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-4-16.5 CSB-4-19.0	Approximate location of soil boring B6/MW-5 (TPH-g = 190 mg/kg at 16.5 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-5-15.5 CSB-5-18.0	Approximate location of soil boring TB-4 (TPH-g = 470 mg/kg at 15 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-6-16.0	Approximate downgradient/cross-gradient location of soil borings TN-1 and T1-C (TPH-g = 4,470 mg/kg and 961 mg/kg, respectively at 16 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-8-2.0	Approximate location of soil boring DP-2 (TPH-g = 132 mg/kg at 2 feet bgs). Soil confirmation sample to evaluate effectiveness of site work.
CSB-9-6.0 CSB-9-11.5 CSB-9-16.5 CSB-9-21.5 CSB-9-26.5	Approximate median location of soil borings TB-7, VW-6, and DP-5 (TPH-g = 610 mg/kg at 16.5 feet bgs, 3,100 mg/kg at 6 feet bgs, and TPH-g = 2,390 mg/kg at 2 feet bgs, respectively). Soil confirmation sample to evaluate effectiveness of site work and investigate vertical extent of soil contamination in VW-6 and DP-5.

Key:

- XXX-X-17.5 = XXX-X is Sample Location
- CSB-1-XX.X = XX.X is Sample Depth in feet bgs
- bgs = below ground surface

Table 4
Soil Analytical Data
Atlantic Richfield Company Service Station #6148
5131 Shattuck Avenue
Oakland, California

Soil Sample ID	Date Sampled	Sample Depth (feet bgs)	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
CSB-1-17.5	4/29/04	17.5	590	ND< 0.5	ND< 0.5	2.9	ND< 0.5	ND< 0.5
CSB-2-14.0	4/29/04	14.0	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-2-18.0	4/29/04	18.0	730	ND< 0.5	0.74	13	100	ND< 0.5
CSB-3-17.5	4/29/04	17.5	750	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5
CSB-4-16.5	4/29/04	16.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-4-19.0	4/29/04	19.0	8.8	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-5-15.5	4/29/04	15.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-5-18.0	4/29/04	18.0	1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-6-16.0	4/29/04	16.0	9.4	0.007	0.0056	0.25	0.0099	ND< 0.005
CSB-8-2	4/29/04	2.0	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-9-6.0	4/29/04	6.0	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-9-11.5	4/29/04	11.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-9-16.5	4/29/04	16.5	170	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5
CSB-9-21.5	4/29/04	21.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-9-26.5	4/29/04	26.5	2.2	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005

Notes:

- * all detections above laboratory reporting limits are in **bold**.
- * all fuel oxygenate compounds analyzed using EPA Method 8260B

mg/kg = milligrams per kilogram

bgs = below ground surface

GRO = Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported. The range for GRO is C4- C12.

MTBE = Methyl tert-butyl ether

ND< = Not detected at or above the laboratory reporting limit

TPH-g = Total Petroleum Hydrocarbons as Gasoline.

**Table 5
Fuel Oxygenates**

Atlantic Richfield Company
Service Station #6148
5131 Shattuck Ave.
Oakland, CA

Soil Sample ID	Date Sampled	Sample Depth (feet bgs)	TBA (mg/kg)	MTBE (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)
CSB-1-17.5	4/29/04	17.5	ND< 2.5	ND< 0.5	ND<1.0	ND< 0.5	ND< 0.5
CSB-2-14.0	4/29/04	14.0	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-2-18.0	4/29/04	18.0	ND< 2.5	ND< 0.5	ND<1.0	ND< 0.5	ND< 0.5
CSB-3-17.5	4/29/04	17.5	ND< 2.5	ND< 0.5	ND<1.0	ND< 0.5	ND< 0.5
CSB-4-16.5	4/29/04	16.5	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-4-19.0	4/29/04	19.0	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-5-15.5	4/29/04	15.5	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-5-18.0	4/29/04	18.0	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-6-16.0	4/29/04	16.0	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-8-2	4/29/04	2.0	0.014	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-9-6	4/29/04	6.0	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-9-11.5	4/29/04	11.5	0.012	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-9-16.5	4/29/04	16.5	ND< 2.5	ND< 0.5	ND<1.0	ND< 0.5	ND< 0.5
CSB-9-21.5	4/29/04	21.5	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005
CSB-9-26.5	4/29/04	26.5	ND< 0.01	ND< 0.005	ND< 0.01	ND< 0.005	ND< 0.005

Notes:

- 1) all detections above laboratory reporting limits are in **bold**.
- 2) historical soil data is italicized and grouped with the corresponding soil borings from this Soil Investigation (4/29/2004).

DIPE = Di-isopropyl ether
 ETBE = Ethyl tert butyl ether
 mg/kg = milligrams per kilogram
 MTBE = Methyl tert-butyl ether
 ND< = Not detected at or above the laboratory reporting limit
 TAME = tert-Amyl methyl ether
 TBA = tert-Butyl alcohol

Table 6
Comparison of Current Detections with Historical Soil Analytical Data and Selected ESL
Atlantic Richfield Company Service Station #6148
5131 Shattuck Avenue
Oakland, California

ESL protective of deep (> 3m) soil that is a potential drinking water source at a commercial/industrial site			TPH-g/ GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
			100	0.044	2.9	3.3	1.5	0.023
Soil Sample ID	Date Sampled	Sample Depth (feet bgs)	GRO/TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
CSB-1-17.5	4/29/04	17.5	590	ND< 0.5	ND< 0.5	2.9	ND< 0.5	ND< 0.5
<i>S-17.5-B1</i>	<i>1991</i>	<i>17.5</i>	<i>470</i>	<i>2.3</i>	<i>5.1</i>	<i>5.1</i>	<i>24</i>	<i>NS</i>
CSB-2-18.0	4/29/04	18	730	ND< 0.5	0.74	13	100	ND< 0.5
<i>S-17-B2</i>	<i>1991</i>	<i>17</i>	<i>740</i>	<i>2.3</i>	<i>13</i>	<i>7.7</i>	<i>41</i>	<i>NS</i>
CSB-3-17.5	4/29/04	17.5	750	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5
<i>S-17.5-B3</i>	<i>1991</i>	<i>17.5</i>	<i>320</i>	<i>0.65</i>	<i>0.65</i>	<i>2.3</i>	<i>5.9</i>	<i>NS</i>
CSB-4-16.5	4/29/04	16.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
<i>S-16.5-B6</i>	<i>1992</i>	<i>16.5</i>	<i>190</i>	<i>0.24</i>	<i>0.55</i>	<i>1</i>	<i>1.3</i>	<i>NS</i>
CSB-5-15.5	4/29/04	15.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
<i>S-15-TB4</i>	<i>34086</i>	<i>15</i>	<i>470</i>	<i>0.76</i>	<i>0.17</i>	<i>4.7</i>	<i>15</i>	<i>NS</i>
CSB-6-16.0	4/29/04	16	9.4	0.007	0.0056	0.25	0.0099	ND< 0.005
<i>TN-1</i>	<i>11/14/00</i>	<i>16</i>	<i>4470</i>	<i>ND<2.0</i>	<i>105</i>	<i>73</i>	<i>404</i>	<i>NS</i>
<i>TC-1</i>	<i>11/14/00</i>	<i>16</i>	<i>961</i>	<i>ND<1.0</i>	<i>ND<1.0</i>	<i>ND<1.0</i>	<i>ND<1.0</i>	<i>NS</i>
CSB-8-2	04/29/04	2	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
<i>DP-2</i>	<i>11/14/00</i>	<i>2</i>	<i>132</i>	<i>ND<0.1</i>	<i>0.265</i>	<i>0.86</i>	<i>14.5</i>	<i>NS</i>
CSB-9-6.0	04/29/04	6	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
<i>VW-6</i>	<i>11/14/00</i>	<i>6</i>	<i>3,100</i>	<i>ND< 5</i>	<i>86</i>	<i>63</i>	<i>430</i>	<i>NS</i>
CSB-9-11.5	04/29/04	11.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
<i>VW-6</i>	<i>11/14/00</i>	<i>11.5</i>	<i>2,100</i>	<i>ND< 2</i>	<i>7.3</i>	<i>16</i>	<i>110</i>	<i>NS</i>
CSB-9-16.5	04/29/04	16.5	170	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5	ND< 0.5
<i>VW-6</i>	<i>11/14/00</i>	<i>16</i>	<i>1,700</i>	<i>5.9</i>	<i>94</i>	<i>44</i>	<i>240</i>	
<i>S-16.5-TB7</i>	<i>04/26/93</i>	<i>16.5</i>	<i>610</i>	<i>4.1</i>	<i>36</i>	<i>15</i>	<i>91</i>	<i>NS</i>
CSB-9-21.5	04/29/04	21.5	ND< 1.0	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005
CSB-9-26.5	04/29/04	26.5	2	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005	ND< 0.005

Notes:

- 1) All detections above laboratory reporting limits are in **bold**.
- 2) Historical soil data is italicized and grouped with the corresponding soil borings from this Soil Investigation (4/29/2004).

ESLs = Environmental Screening Level (RWQCB July 2003). Volume 2 Table C Deep Soil Screening Levels (>3 m bgs) where groundwater is a current or potential source of drinking water.

mg/kg = milligrams per kilogram

bgs = below ground surface

GRO = Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPH-g) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported. The carbon range for GRO is C4- C12.

MTBE = Methyl tert-butyl ether

ND< = Not detected at or above the laboratory reporting limit

TPH-g = Total Petroleum Hydrocarbons as Gasoline.

Attachment A
Alameda County Health Care Services Agency Letter,
October 20, 2003

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 20, 2003

Paul Supple
Atlantic Richfield Co.
P.O. Box 6549
Moraga, CA 94570

Dear Mr. Supple:

Subject: Fuel Leak Case No. RO0000077, Arco #6148, 5131 Shattuck Ave., Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed the Leaking Underground Storage Tank Oversight Program file including "3rd Quarter 2003 Groundwater Monitoring Report" dated August 30, 2003 prepared by URS Corp. The case appears to be close to closure. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

Verification Monitoring

- a) Soil - Soil concentrations of concern were 2,390 mg/kg Total Petroleum Hydrocarbons as Gasoline (TPH-G) detected in DP-5 on February 1, 2001, 3,100 mg/kg TPH-G in VW-6 on August 3, 1995. DP-5 does not appear to have been over excavated. However, Soil-Vapor Extraction (SVE) and Air-Sparge (AS) systems were used at the site from September 1995 until January 2000 to remediate impacted groundwater and saturated soils beneath the site. Please submit a work plan to sample soil to evaluate the effectiveness of the site work and to investigate the vertical extent of soil contamination at DP-5 and VW-6.
- b) Groundwater - Please continue groundwater monitoring for two more quarters. Then evaluate the effectiveness of the site work.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:


December 20, 2003 - Work Plan

60 days after Work Plan approval - Soil and Water Investigation Report

Mr. Supple
October 20, 2003
Page 2 of 2

These reports are being requested pursuant to the Regional Water Quality Control Board's (Regional Board) authority under Section 13267 of the California Water Code. If you have any questions, please call me at (510) 567-6746.

Sincerely,



Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: ✓ Scott Robinson, URS Corp., 500 12th St., Suite 200, Oakland, CA 94607-4014
Donna Drogos
file

Attachment B
Boring Logs from April 29, 2004



1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: CSB-1



Total Depth: 20.0 ft. bgs

PROJECT INFORMATION	DRILLING INFORMATION
Project: Site 6148: Soil Investigation	Drilling Company: Vironex
Site Location: 5131 Shattuck Ave., Oakland, CA	Driller: Mike
Project Manager: Scott Robinson	Type of Drilling Rig: Geoprobe
RG: William Frohlich	Drilling Method: 2" Direct Push
Geologist: Kevin Uno	Sampling Method: California Modified
Job Number: 384869078.0013601	Date(s) Drilled: 4/29/04

BORING INFORMATION

Groundwater Depth: 16 ft. bgs	Boring Location: Behind station building, north of MW-1
Air Knife or Hand Auger Depth: Airknife to 5' bgs	Boring Diameter: 2"
Coordinates: X Y	Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3"				
0 - 5		NO RECOVERY: Airknifed to 5' bgs.	NR	no odor		
4		SANDY SILT: dark brown, 10% clay, 60% silt, 30% sand, trace gravel. Moderately stiff, moist; low plasticity.	ML	no odor		
10		SANDY GRAVELLY SILT: dark brown, 10% clay, 50% silt, 20% sand, 20% gravel. Moderately stiff, moist; low plasticity.		no odor		
10		SILTY GRAVELLY SAND: light brown, 5% clay, 25% silt, 40% sand, 30% gravel. Fine to coarse sand, angular gravel, up to 1 inch, moderately loose, moist to wet; no plasticity.	SM	no odor		

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12 14 16 18 20		Color change to grey green. Strong hydrocarbon odor.		HC odor HC odor		CSB-1-17.5 (17.5- 18.0' bgs)
		EOB: 20.0 ft bgs.				



1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING



Borehole ID: CSB-2

Total Depth: 20.0 ft. bgs

PROJECT INFORMATION	DRILLING INFORMATION
Project: Site 6148: Soil Investigation	Drilling Company: Vironex
Site Location: 5131 Shattuck Ave., Oakland, CA	Driller: Mike
Project Manager: Scott Robinson	Type of Drilling Rig: Geoprobe
RG: William Frohlich	Drilling Method: 2" Direct Push
Geologist: Kevin Uno	Sampling Method: California Modified
Job Number: 384869078.0013601	Date(s) Drilled: 4/29/04

BORING INFORMATION	
Groundwater Depth: 16 ft. bgs	Boring Location: Behind station building, 3 ft. south of MW-2
Air Knife or Hand Auger Depth: Airknife to 5' bgs	Boring Diameter: 2"
Coordinates: X Y	Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3"				
0 - 5		NO RECOVERY: Airknifed to 5' bgs.	NR	no odor		
3.5 - 8.5		SANDY SILT: dark brown, 10% clay, 50% silt, 30% sand, trace gravel. Moderately stiff, moist; low plasticity.	ML	no odor		
8.5 - 9.5		SANDY GRAVELLY SILT: brown, 10% clay, 40% silt, 30% sand, 20% gravel. Moderately stiff, moist; no to low plasticity.				
9.5 - 10		SILTY GRAVELLY SAND: light brown, 5% clay, 25% silt, 40% sand, 30% gravel. Fine to coarse sand, angular gravel, up to 1 inch, moderately loose, moist to wet; no plasticity.	SM	no odor		

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12 14 16 18 20		Color change to grey green. Strong hydrocarbon odor.		no odor		CSB-2-14.0 (14.0- 14.5' bgs)
				HC odor		CSB-2-18.0 (18.0- 18.5' bgs)
		EOB: 20.0 ft bgs.				



1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: CSB-3

Total Depth: 20.0 ft. bgs

PROJECT INFORMATION

DRILLING INFORMATION

Project: Site 6148: Soil Investigation

Drilling Company: Vironex

Site Location: 5131 Shattuck Ave., Oakland, CA

Driller: Mike

Project Manager: Scott Robinson

Type of Drilling Rig: Geoprobe

RG: William Frohlich

Drilling Method: 2" Direct Push

Geologist: Kevin Uno

Sampling Method: California Modified

Job Number: 384869078.0013601

Date(s) Drilled: 4/29/04

BORING INFORMATION

Groundwater Depth: 16 ft. bgs

Boring Location: Behind station building, 15 ft. east of CSB-2

Air Knife or Hand Auger Depth: Airknife to 5' bgs

Boring Diameter: 2"

Coordinates: X Y

Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3"				
0 - 5		NO RECOVERY: Airknifed to 5' bgs.	NR	no odor		
4		SANDY SILT: dark brown, 10% clay, 50% silt, 35% sand, 5% gravel. Stiff, moist; low plasticity.	ML	no odor		
5.0 - 10.0		No Recovery 5.0- 10.0 ft. bgs				
10		SILTY GRAVELLY SAND: brown, 5% clay, 20% silt, 45% sand, 30% gravel. Fine to coarse sand, angular gravel, up to 1 inch; Moderately dense, moist; no to low plasticity.	SM	no odor		

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12 14 16 18 20		<p>SILTY SANDY GRAVEL: light brown, 5% clay, 20% silt, 30% sand, 45% gravel. Fine to coarse sand, angular gravel, up to 1 inch; moderately loose, moist to wet; low plasticity.</p> <p>Color change to grey green. Strong hydrocarbon odor.</p> <p>EOB: 20.0 ft bgs.</p>	GM	no odor HC odor		<p>CSB-3-17.5 (17.5- 18.0' bgs)</p>



1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: CSB-4

Total Depth: 20.0 ft. bgs

PROJECT INFORMATION		DRILLING INFORMATION	
Project: Site 6148: Soil Investigation		Drilling Company: Vironex	
Site Location: 5131 Shattuck Ave., Oakland, CA		Driller: Mike	
Project Manager: Scott Robinson		Type of Drilling Rig: Geoprobe	
RG: William Frohlich		Drilling Method: 2" Direct Push	
Geologist: Kevin Uno		Sampling Method: California Modified	
Job Number: 384869078.0013601		Date(s) Drilled: 4/29/04	
BORING INFORMATION			
Groundwater Depth: 16 ft. bgs		Boring Location: W side of station building, 5 ft. E of VW-5	
Air Knife or Hand Auger Depth: Airknife to 5' bgs		Boring Diameter: 2"	
Coordinates: X Y		Boring Type: Exploratory	

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		<p>ASPHALT: 3"</p> <p>FILL: Airknifed to 5' bgs. FILL: 10% silt, 80% sand, 5% gravel. Fine sand, moderately dense, trace gravel.</p>		no odor		
4		<p>CLAYEY SANDY SILT: dark brown, 25% clay, 50% silt, 25% sand, trace angular gravel. Stiff, moist; low to medium plasticity.</p>	ML	no odor		
6		<p>Increase in fines: 35% clay, 55% silt, 10% sand, trace angular gravel. Stiff, moist; medium plasticity.</p>				
8						
10				no odor		
		<p>GRAVELLY SILTY SAND: light brown, trace clay, 20% silt, 50% sand,</p>	SM			

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12		30% gravel. Fine to coarse sand, angular gravel, up to 0.75 inches, moderately loose, moist to wet; low plasticity. Gravelly, silty sand grades to sandy gravel.				
14		SILTY SANDY GRAVEL: light brown, 15% silt, 40% sand, 45% angular gravel. Moderately dense, moist; no plasticity. Color change to grey green. Strong hydrocarbon odor. EOB: 20.0 ft bgs.	GM	no odor		CSB-4-16.5 (16.5- 17.0' bgs) CSB-4-18.5 (18.5- 19.0' bgs)
20				HC odor		



1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: CSB-5

Total Depth: 20.0 ft. bgs

PROJECT INFORMATION	DRILLING INFORMATION
Project: Site 6148: Soil Investigation	Drilling Company: Vironex
Site Location: 5131 Shattuck Ave., Oakland, CA	Driller: Mike
Project Manager: Scott Robinson	Type of Drilling Rig: Geoprobe
RG: William Frohlich	Drilling Method: 2" Direct Push
Geologist: Kevin Uno	Sampling Method: California Modified
Job Number: 384869078.0013601	Date(s) Drilled: 4/29/04

BORING INFORMATION

Groundwater Depth: 16 ft. bgs	Boring Location: W side of station building in handicap parking stall
Air Knife or Hand Auger Depth: Airknife to 6.5 ft. bgs	Boring Diameter: 2"
Coordinates: X Y	Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3"				
0 - 6.5		FILL: Airknifed to 6.5 ft. bgs. FILL: 10% silt, 80% sand, 5% gravel. Fine sand, moderately dense, trace gravel.		no odor		
6.5 - 10		CLAYEY SILT: dark brown, 20% clay, 70% silt, 10% sand. Occasional cemented, sand nodules up 0.25 inches. Stiff, moist; low to medium plasticity.	ML	no odor		
10 - 20		CLAYEY SAND: red, 30% clay, 10% silt, 60% sand. Loose, moist; low	SM	no odor		

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12		to medium plasticity. CLAYEY SILT: dark brown, 20% clay, 70% silt, 10% sand. Moderately stiff, moist; low to medium plasticity.	ML			
		SANDY GRAVEL: brown, trace silt, 25% sand, 70% angular gravel. Loose, moist; no plasticity.	GP			
14		CLAYEY SILT: dark brown, 20% clay, 70% silt, 10% sand. Stiff, moist; low to medium plasticity.	ML			
		SANDY GRAVEL: brown, trace silt, 25% sand, 70% angular gravel. loose, moist; no plasticity.	GP			
16				no odor		CSB-5-15.5 (15.5- 16.0' bgs)
		Color change to grey green. Strong hydrocarbon odor.				
18						
		SILTY SAND: red brown, 5% clay, 25% silt, 70% sand. Moderately dense, moist; low plasticity. EOB: 20.0 ft bgs.	SM	HC odor		CSB-5-18.0 (18.0- 18.5' bgs)
20						



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LOG OF BORING

Borehole ID: CSB-6

Total Depth: 20.0 ft. bgs

PROJECT INFORMATION	DRILLING INFORMATION
Project: Site 6148: Soil Investigation	Drilling Company: Vironex
Site Location: 5131 Shattuck Ave., Oakland, CA	Driller: Mike
Project Manager: Scott Robinson	Type of Drilling Rig: Geoprobe
RG: William Frohlich	Drilling Method: 2" Direct Push
Geologist: Kevin Uno	Sampling Method: California Modified
Job Number: 384869078.0013601	Date(s) Drilled: 4/29/04

BORING INFORMATION	
Groundwater Depth: 16 ft. bgs	Boring Location: Between VW-8 and VW-7 at W corner of station bldg.
Air Knife or Hand Auger Depth: Airknife to 5.0 ft. bgs	Boring Diameter: 2"
Coordinates: X Y	Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3" FILL: Airknifed to 5.0 ft. bgs.				
2				no odor		
4						
6		NO RECOVERY		no odor		
8		GRAVELLY SAND: light brown, 10% silt, 60% sand, 30% gravel. Stiff, damp; no plasticity.	SM			
10				no odor		

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12		SANDY GRAVEL: brown to grey, 10% silt, 20% sand, 70% gravel. Moderately loose, damp; no plasticity.	GM			
14		GRAVELLY SAND: light brown, 5% silt, 60% sand, 35% gravel. Angular, poorly sorted gravel. Moderately dense, moist; no plasticity. Color change to grey green. Strong hydrocarbon odor.	GM	422		CSB-6-16.0 (16.0- 16.5' bgs)
18		SANDY GRAVEL: green to brown, 20% sand, 80% gravel. Angular, loose, moist; no plasticity.				
20		GRAVELLY SAND: green to brown, 5% silt, 60% sand, 35% gravel. Angular, poorly sorted gravel. Moderately dense, moist; no plasticity. EOB: 20.0 ft bgs.	HC odor			



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LOG OF BORING

Borehole ID: CSB-8

Total Depth: 2.5 ft. bgs

PROJECT INFORMATION

DRILLING INFORMATION

Project: Site 6148: Soil Investigation

Drilling Company: Vironex

Site Location: 5131 Shattuck Ave., Oakland, CA

Driller: Mike

Project Manager: Scott Robinson

Type of Drilling Rig: Geoprobe

RG: William Frohlich

Drilling Method: Hand Auger

Geologist: Kevin Uno

Sampling Method: California Modified

Job Number: 384869078.0013601

Date(s) Drilled: 4/29/04

BORING INFORMATION

Groundwater Depth: NA

Boring Location: Approx. 5 ft. off of NE corner of canopy

Air Knife or Hand Auger Depth: 2.5 ft.

Boring Diameter: 2"

Coordinates: X Y

Boring Type: Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
0		ASPHALT: 3"				
2		SILTY SAND: FILL, dark brown, 20% silt, 80% sand. Damp, low to no plasticity.		0		CSB-8-2.5 (2.0- 2.5' bgs)



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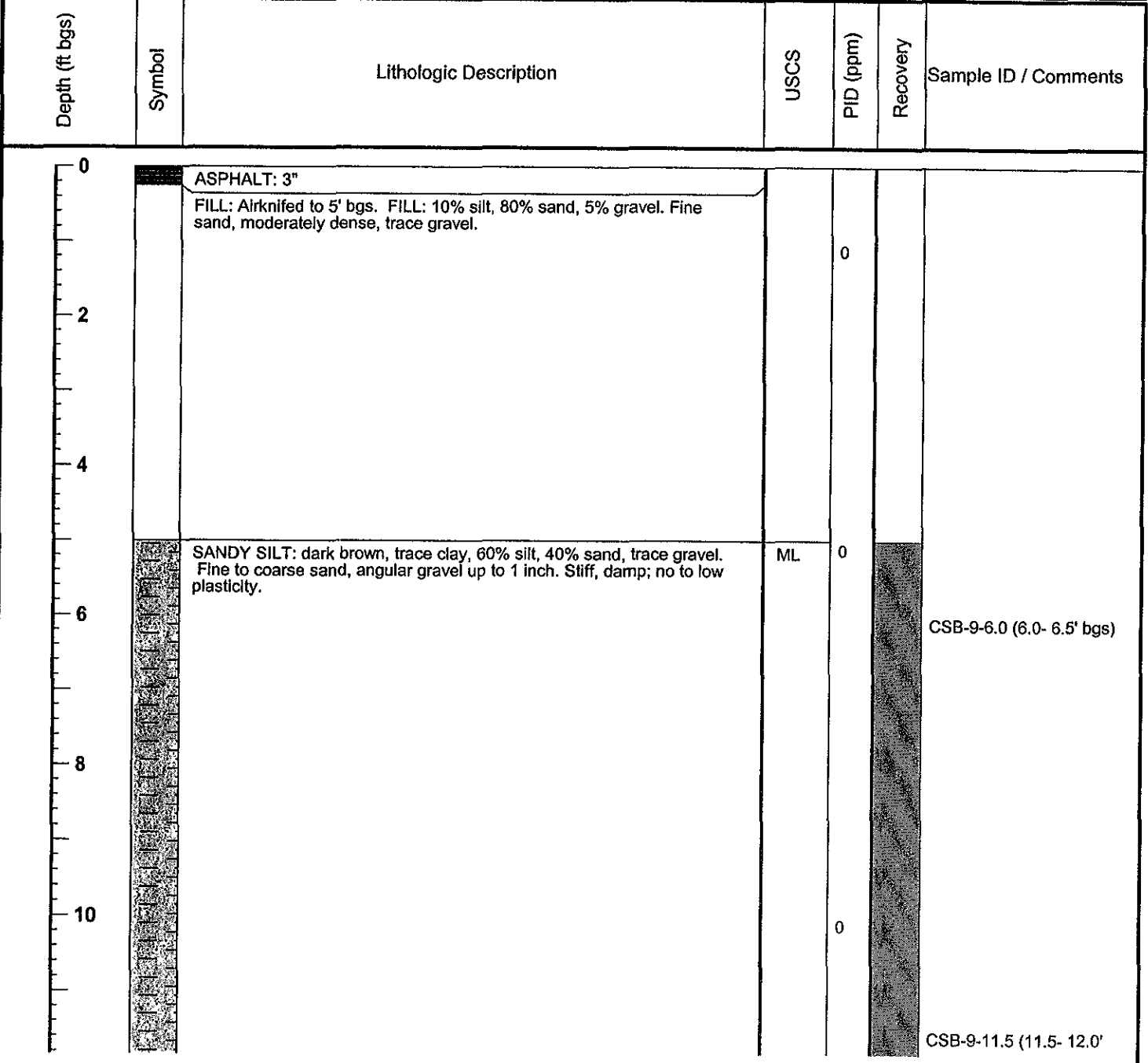
LOG OF BORING






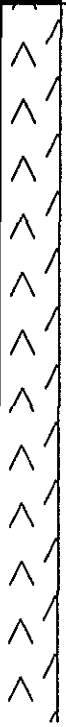

Borehole ID: CSB-9

Total Depth: 30.0 ft. bgs

PROJECT INFORMATION		DRILLING INFORMATION	
Project: Site 6148: Soil Investigation		Drilling Company: Vironex	
Site Location: 5131 Shattuck Ave., Oakland, CA		Driller: Mike	
Project Manager: Scott Robinson		Type of Drilling Rig: Geoprobe	
RG: William Frohlich		Drilling Method: 2" Direct Push	
Geologist: Kevin Uno		Sampling Method: California Modified	
Job Number: 384869078.0013601		Date(s) Drilled: 4/29/04	

BORING INFORMATION	
Groundwater Depth: 16 ft. bgs	Boring Location: Approx. 10 ft. off of NE corner of station building
Air Knife or Hand Auger Depth: Airknife to 5 ft. bgs	Boring Diameter: 2"
Coordinates: X Y	Boring Type: Exploratory



Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
12 14 16 18 20						bgs)
16 18 20 22		<p>SILTY SANDY GRAVEL: grey green, trace clay, 15% silt, 20% sand, 65% gravel. Poorly sorted angular to sub-angular gravel. Green staining and hydrocarbon odor. Moderately loose, moist; no plasticity.</p>	GM	408		<p>CSB-9-16.5 (16.5- 17.0' bgs)</p> <p></p>
22 24 26 28		<p>GRAVELLY SAND: brown, 10% silt, 70% sand, 20% gravel. Fine to coarse sand, poorly sorted angular to sub-angular gravel. Moderately loose, wet; no plasticity.</p>	SM	0		<p>CSB-9-21.5 (21.5- 22.0' bgs)</p> <p>CSB-9-26.5 (26.5- 27.0' bgs)</p>

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Recovery	Sample ID / Comments
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30



SANDY GRAVEL: brown, 10% silt, 20% sand, 70% gravel. Angular, poorly sorted gravel. Red staining, loose, wet to saturated; no plasticity.
EOB: Refusal at 30.0ft. bgs

GM



Attachment C

Table C. ENVIRONMENTAL SCREENING LEVELS (ESLs)

Deep Soils (<3m bgs) Groundwater IS Current or Potential Source of Drinking Water
(California Regional Water Quality Control Board; Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1, July 2003)

Table K-3. ENVIRONMENTAL SCREENING LEVELS (ESLs)

Direct Exposure Screening Levels: Construction/Trench Worker Exposure Scenario
(California Regional Water Quality Control Board; Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 2, July 2003)

**TABLE C: DEEP SOIL (>3M BGS) - WATER IS A
CURRENT OR POTENTIAL SOURCE OF
DRINKING WATER**

Notes:

- Always compare final soil data for commercial/industrial sites to residential ESLs and evaluate need for formal land-use restrictions (see Section 2.9).
- ESLs for deep soils may be applicable to soils <3m below ground surface at commercial/industrial sites provided institutional controls are put in place to maintain an adequate cap and provide proper management of soil if exposed in future (see Section 2.4 and Section 2.9).

**TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water**

CHEMICAL PARAMETER	¹ Deep Soil		³ Groundwater ($\mu\text{g/L}$)
	² Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
ACENAPHTHENE	1.6E+01	1.6E+01	2.0E+01
ACENAPHTHYLENE	1.3E+01	1.3E+01	3.0E+01
ACETONE	2.4E-01	2.4E-01	7.0E+02
ALDRIN	1.2E+00	1.2E+00	2.0E-03
ANTHRACENE	2.8E+00	2.8E+00	7.3E-01
ANTIMONY	3.1E+02	3.1E+02	6.0E+00
ARSENIC	1.6E+01	1.6E+01	3.6E+01
BARIUM	2.5E+03	2.5E+03	1.0E+03
BENZENE	4.4E-02	4.4E-02	1.0E+00
BENZO(a)ANTHRACENE	1.2E+01	1.2E+01	2.7E-02
BENZO(b)FLUORANTHENE	1.5E+01	1.5E+01	2.9E-02
BENZO(k)FLUORANTHENE	2.7E+00	2.7E+00	2.9E-02
BENZO(g,h,i)PERYLENE	2.7E+01	2.7E+01	1.0E-01
BENZO(a)PYRENE	1.5E+00	1.5E+00	1.4E-02
BERYLLIUM	9.8E+01	9.8E+01	2.7E+00
BIPHENYL, 1,1-	6.6E-01	6.6E-01	5.0E-01
BIS(2-CHLOROETHYL)ETHER	1.6E-04	1.8E-04	1.4E-02
BIS(2-CHLOROISOPROPYL)ETHER	5.4E-03	5.4E-03	5.0E-01
BIS(2-ETHYLHEXYL)PHTHALATE	6.6E+01	6.6E+01	4.0E+00
BORON	4.6E+04	4.6E+04	1.6E+00
BROMODICHLOROMETHANE	1.2E-02	3.9E-02	1.0E+02
BROMOFORM	2.2E+00	2.2E+00	1.0E+02
BROMOMETHANE	2.2E-01	3.9E-01	9.8E+00
CADMIUM	3.8E+01	3.8E+01	2.2E+00
CARBON TETRACHLORIDE	1.2E-02	3.5E-02	5.0E-01
CHLORDANE	1.5E+01	1.5E+01	4.0E-03
CHLOROANILINE, p-	5.3E-02	5.3E-02	5.0E+00
CHLOROBENZENE	1.5E+00	1.5E+00	2.5E+01
CHLOROETHANE	6.3E-01	8.6E-01	1.2E+01
CHLOROFORM	9.8E-02	2.7E-01	1.0E+02
CHLOROMETHANE	2.9E-01	4.2E-01	2.7E+00
CHLOROPHENOL, 2-	1.2E-02	1.2E-02	1.8E-01
CHROMIUM (Total)	5.8E+01	5.8E+01	5.0E+01
CHROMIUM III	2.6E+03	5.0E+03	1.8E+02
CHROMIUM VI	1.8E+00	1.8E+00	1.1E+01
CHRYSENE	1.9E+01	1.9E+01	2.9E-01
COBALT	9.4E+01	9.4E+01	3.0E+00
COPPER	2.5E+03	5.0E+03	3.1E+00
CYANIDE (Free)	5.0E+02	1.0E+03	1.0E+00
DIBENZO(a,h)ANTHRACENE	4.3E+00	4.3E+00	8.5E-03
DIBROMOCHLOROMETHANE	1.9E-02	5.8E-02	1.0E+02
1,2-DIBROMO-3-CHLOROPROPANE	1.1E-03	1.1E-03	2.0E-01

**TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water**

CHEMICAL PARAMETER	¹ Deep Soil		³ Groundwater (ug/L)
	² Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
DIBROMOETHANE, 1,2-	3.3E-04	3.3E-04	5.0E-02
DICHLOROBENZENE, 1,2-	1.1E+00	1.1E+00	1.0E+01
DICHLOROBENZENE, 1,3-	7.2E-01	7.2E-01	6.3E+00
DICHLOROBENZENE, 1,4-	4.7E-02	1.3E-01	5.0E+00
DICHLOROBENZIDINE, 3,3-	7.7E-03	7.7E-03	2.9E-02
DICHLORODIPHENYLDICHLOROETHANE (DDD)	1.2E+02	1.2E+02	1.0E-03
DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	8.7E+01	8.7E+01	1.0E-03
DICHLORODIPHENYLTRICHLOROETHANE (DDT)	4.3E+00	4.3E+00	1.0E-03
DICHLOROETHANE, 1,1-	2.0E-01	2.0E-01	5.0E+00
DICHLOROETHANE, 1,2-	4.5E-03	4.5E-03	5.0E-01
DICHLOROETHYLENE, 1,1-	1.0E+00	1.0E+00	6.0E+00
DICHLOROETHYLENE, Cis 1,2-	1.9E-01	1.9E-01	6.0E+00
DICHLOROETHYLENE, Trans 1,2-	6.7E-01	6.7E-01	1.0E+01
DICHLOROPHENOL, 2,4-	3.0E-01	3.0E-01	3.0E-01
DICHLOROPROPANE, 1,2-	5.2E-02	1.2E-01	5.0E+00
DICHLOROPROPENE, 1,3-	3.3E-02	5.9E-02	5.0E-01
DIELDRIN	2.3E-03	2.3E-03	1.9E-03
DIETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHTHALATE	3.5E-02	3.5E-02	1.5E+00
DIMETHYLPHENOL, 2,4-	6.7E-01	6.7E-01	1.0E+02
DINITROPHENOL, 2,4-	4.0E-02	4.0E-02	1.4E+01
DINITROTOLUENE, 2,4-	8.5E-04	8.5E-04	1.1E-01
1,4 DIOXANE	1.8E-03	1.8E-03	3.0E+00
DIOXIN (2,3,7,8-TCDD)	2.3E-04	2.3E-04	5.0E-06
ENDOSULFAN	4.6E-03	4.6E-03	8.7E-03
ENDRIN	6.5E-04	6.5E-04	2.3E-03
ETHYLBENZENE	3.3E+00	3.3E+00	3.0E+01
FLUORANTHENE	6.0E+01	6.0E+01	8.0E+00
FLUORENE	8.9E+00	8.9E+00	3.9E+00
HEPTACHLOR	1.4E-02	1.4E-02	3.8E-03
HEPTACHLOR EPOXIDE	1.5E-02	1.5E-02	3.8E-03
HEXACHLOROBENZENE	1.1E+01	1.1E+01	1.0E+00
HEXACHLOROBUTADIENE	1.0E+00	1.0E+00	2.1E-01
HEXACHLOROCYCLOHEXANE (gamma) LINDANE	4.9E-02	4.9E-02	8.0E-02
HEXACHLOROETHANE	2.4E+00	2.4E+00	7.0E-01
INDENO(1,2,3-cd)PYRENE	7.7E+00	7.7E+00	2.9E-02
LEAD	7.5E+02	7.5E+02	2.5E+00
MERCURY	1.1E+02	1.1E+02	1.2E-02
METHOXYCHLOR	1.9E+01	1.9E+01	1.9E-02
METHYLENE CHLORIDE	7.7E-02	7.7E-02	5.0E+00
METHYL ETHYL KETONE	3.9E+00	3.9E+00	4.2E+03
METHYL ISOBUTYL KETONE	2.8E+00	2.8E+00	1.2E+02

TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water

CHEMICAL PARAMETER	¹ Deep Soil		³ Groundwater (ug/L)
	² Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
METHYL MERCURY	4.1E+01	4.1E+01	3.0E-03
METHYLNAPHTHALENE (total 1- & 2-)	2.6E-01	2.6E-01	2.1E+00
METHYL TERT BUTYL ETHER	2.3E-02	2.3E-02	5.0E+00
MOLYBDENUM	2.5E+03	3.9E+03	3.5E+01
NAPHTHALENE	4.2E+00	4.2E+00	2.1E+01
NICKEL	1.0E+03	1.0E+03	8.2E+00
PENTACHLOROPHENOL	5.3E+00	5.3E+00	1.0E+00
PERCHLORATE	7.7E+01	7.7E+01	7.0E-01
PHENANTHRENE	1.1E+01	1.1E+01	4.6E+00
PHENOL	7.6E-02	7.6E-02	5.0E+00
POLYCHLORINATED BIPHENYLS (PCBs)	6.3E+00	6.3E+00	1.4E-02
PYRENE	8.5E+01	8.5E+01	2.0E+00
SELENIUM	2.5E+03	3.9E+03	5.0E+00
SILVER	2.5E+03	3.9E+03	1.9E-01
STYRENE	1.5E+00	1.5E+00	1.0E+01
tert-BUTYL ALCOHOL	7.3E-02	7.3E-02	1.2E+01
TETRACHLOROETHANE, 1,1,1,2-	2.4E-02	2.4E-02	1.3E+00
TETRACHLOROETHANE, 1,1,2,2-	9.0E-03	1.8E-02	1.0E+00
TETRACHLOROETHYLENE	8.9E-02	2.6E-01	5.0E+00
THALLIUM	5.1E+01	5.1E+01	2.0E+00
TOLUENE	2.9E+00	2.9E+00	4.0E+01
TOXAPHENE	4.2E-04	4.2E-04	2.0E-04
TPH (gasolines)	1.0E+02	1.0E+02	1.0E+02
TPH (middle distillates)	1.0E+02	1.0E+02	1.0E+02
TPH (residual fuels)	1.0E+03	1.0E+03	1.0E+02
TRICHLOROENZENE, 1,2,4-	7.6E+00	7.6E+00	2.5E+01
TRICHLOROETHANE, 1,1,1-	7.8E+00	7.8E+00	6.2E+01
TRICHLOROETHANE, 1,1,2-	3.3E-02	7.0E-02	5.0E+00
TRICHLOROETHYLENE	2.8E-01	4.8E-01	5.0E+00
TRICHLOROPHENOL, 2,4,5-	1.8E-01	1.8E-01	1.1E+01
TRICHLOROPHENOL, 2,4,6-	1.7E-01	1.7E-01	5.0E-01
VANADIUM	2.5E+03	5.0E+03	1.5E+01

**TABLE C. ENVIRONMENTAL SCREENING LEVELS (ESLs)
Deep Soils (>3m bgs)
Groundwater IS a Current or Potential Source of Drinking Water**

CHEMICAL PARAMETER	¹ Deep Soil		³ Groundwater (ug/L)
	² Residential Land Use (mg/kg)	Commercial/ Industrial Land Use Only (mg/kg)	
VINYL CHLORIDE	6.7E-03	1.9E-02	5.0E-01
XYLENES	1.5E+00	1.5E+00	1.3E+01
ZINC	2.5E+03	5.0E+03	8.1E+01
Electrical Conductivity (mS/cm, USEPA Method 120.1 MOD)	not applicable	not applicable	not applicable
Sodium Adsorption Ratio	not applicable	not applicable	not applicable

Notes:

1. Deep soils defined as soils greater than 3 meters (approximately 10 feet) below ground surface.
2. Category "Residential Land Use" generally considered adequate for other sensitive uses (e.g., day-care centers, hospitals, etc.)
3. Assumes potential discharge of groundwater into a freshwater, marine or estuary surface water system.

Source of soil ESLs: Refer to Appendix 1, Tables C-1 and C-2.
Source of groundwater ESLs: Refer to Appendix 1, Table F-1a.
Soil data should be reported on dry-weight basis (see Appendix 1, Section 6.2).
Soil ESLs intended to address human health, groundwater protection and nuisance concerns under a construction/trench worker exposure scenario and noted land-use scenarios. Soil gas data should be collected for additional evaluation of potential indoor-air impacts at sites with significant areas of VOC-impacted soil. See Section 2.6 and Table E.
Groundwater ESLs intended to be address drinking water, surface water, indoor-air and nuisance concerns. Use in conjunction with soil gas screening levels to more closely evaluate potential impacts to indoor-air if groundwater screening levels for this concern approached or exceeded (refer to Section 2.6 and Appendix 1, Table F-1a).
Aquatic habitat goals for bioaccumulation concerns not considered in selection of groundwater goals (refer to Section 2.7).
Refer to appendices for summary of ESL components.
TPH -Total Petroleum Hydrocarbons. TPH ESLs must be used in conjunction with ESLs for related chemicals (e.g., BTEX, PAHs, oxidizers, etc.). See Volume 1, Section 2.2 and Appendix 1, Chapter 5.

**TABLE K-3. DIRECT-EXPOSURE SCREENING LEVELS
CONSTRUCTION/TRENCH WORKER EXPOSURE SCENARIO**

CHEMICAL	Final Screening Level (mg/kg)	Basis	Carcinogens (Risk = 10 ⁻⁴) (mg/kg)	Noncarcinogens HQ = 0.2 (mg/kg)	Noncarcinogens (HQ = 1.0) (mg/kg)	Saturation (mg/kg)
ACENAPHTHENE	3.5E+04	noncarcinogenic effects	-	3.5E+04	1.7E+05	NA
ACENAPHTHYLENE	2.6E+04	=fluorene	-	2.6E+04	1.3E+05	NA
ACETONE	1.3E+04	noncarcinogenic effects	-	1.3E+04	6.6E+04	1.0E+05
*ALDRIN	1.2E+00	carcinogenic effects	1.2E+00	1.2E+01	6.0E+01	NA
ANTHRACENE	2.1E+05	noncarcinogenic effects	-	2.1E+05	1.1E+06	NA
ANTIMONY	2.1E+02	noncarcinogenic effects	-	3.1E+02	1.5E+03	NA
*ARSENIC	3.1E+02	noncarcinogenic effects	-	1.8E+02	9.2E+02	NA
BARIUM	1.6E+01	carcinogenic effects	1.6E+01	1.8E+02	9.2E+02	NA
*BENZENE	1.6E+03	noncarcinogenic effects	-	2.5E+03	1.2E+04	NA
*BENZO(a)ANTHRACENE	2.5E+03	noncarcinogenic effects	1.7E+01	5.7E+01	2.9E+02	8.7E+02
*BENZO(b)FLUORANTHENE	1.7E+01	carcinogenic effects	1.5E+01	-	-	NA
*BENZO(k)FLUORANTHENE	1.5E+01	carcinogenic effects	1.5E+01	-	-	NA
BENZO(g,h,i)PERYLENE	1.5E+01	carcinogenic effects	1.5E+01	-	-	NA
*BENZO(a)PYRENE	1.4E+04	noncarcinogenic effects	-	1.4E+04	7.0E+04	NA
*BERYLLIUM	1.5E+00	carcinogenic effects	1.5E+00	-	-	NA
BIPHENYL, 1,1'-	9.8E+01	noncarcinogenic effects	-	2.8E+04	1.4E+05	NA
*BIS(2-CHLOROETHYL)ETHER	2.8E+04	noncarcinogenic effects	7.4E+00	-	-	9.6E+03
BIS(2-CHLOROISOPROPYL)ETHER	7.4E+00	carcinogenic effects	2.3E+02	8.2E+03	4.1E+04	7.9E+02
*BIS(2-ETHYLHEXYL)PHTHALATE	2.3E+02	carcinogenic effects	6.4E+03	8.0E+03	4.0E+04	NA
BORON	6.4E+03	carcinogenic effects	-	4.6E+04	2.3E+05	NA
*BROMODICHLOROMETHANE	4.6E+04	noncarcinogenic effects	3.5E+01	1.8E+03	9.2E+03	3.0E+03
BROMOFORM	3.5E+01	carcinogenic effects	2.6E+03	8.0E+03	4.0E+04	NA
BROMOMETHANE	2.6E+03	carcinogenic effects	-	3.1E+01	1.6E+02	3.1E+03
*CADMIUM	3.1E+01	noncarcinogenic effects	3.8E+01	3.8E+02	1.9E+03	NA
*CARBON TETRACHLORIDE	3.8E+01	carcinogenic effects	8.4E+00	1.8E+01	8.8E+01	1.1E+03
CHLORDANE	8.4E+00	carcinogenic effects	2.1E+01	2.6E+02	1.3E+03	NA
CHLOROANILINE, p-	2.1E+01	carcinogenic effects	-	1.6E+03	8.0E+03	NA
CHLOROBENZENE	1.6E+03	noncarcinogenic effects	-	1.2E+03	6.2E+03	6.8E+02
CHLOROETHANE	6.8E+02	saturation limit	2.8E+02	4.2E+04	2.1E+05	1.6E+03
*CHLOROFORM	2.8E+02	carcinogenic effects	8.3E+01	2.9E+01	1.4E+02	2.9E+03
CHLOROMETHANE	2.9E+01	noncarcinogenic effects	1.1E+02	1.3E+03	6.4E+03	4.1E+03
CHLOROPHENOL, 2-	1.1E+02	carcinogenic effects	-	5.3E+02	2.6E+03	5.5E+04
CHROMIUM (Total)	5.3E+02	noncarcinogenic effects	-	-	-	NA
CHROMIUM III	-	-	-	1.2E+06	5.8E+06	NA
*CHROMIUM VI	1.2E+06	noncarcinogenic effects	1.8E+00	2.3E+03	1.2E+04	NA
*CHRYSENE	1.8E+00	carcinogenic effects	1.5E+02	-	-	NA
	1.5E+02	carcinogenic effects	-	-	-	NA

**TABLE K-3. DIRECT-EXPOSURE SCREENING LEVELS
CONSTRUCTION/TRENCH WORKER EXPOSURE SCENARIO**

CHEMICAL	Final Screening Level (mg/kg)	Basis	Carcinogens (Risk = 10 ⁻⁶) (mg/kg)	Noncarcinogens (HQ = 0.2) (mg/kg)	Noncarcinogens (HQ = 1.0) (mg/kg)	Saturation (mg/kg)
COBALT	9.4E+01	carcinogenic effects	9.4E+01	1.0E+02	5.2E+02	NA
COPPER	3.1E+04	noncarcinogenic effects	-	3.1E+04	1.5E+05	NA
CYANIDE (Free)	8.2E+03	noncarcinogenic effects	-	8.2E+03	4.1E+04	NA
*DIBENZO(a,h)ANTHTRACENE	4.3E+00	carcinogenic effects	4.3E+00	-	-	NA
*DIBROMOCHLOROMETHANE	8.6E+01	carcinogenic effects	8.6E+01	3.2E+03	1.6E+04	NA
*1,2-DIBROMO-3-CHLOROPROPANE	1.6E+00	carcinogenic effects	1.6E+00	1.3E+01	6.4E+01	3.3E+02
*DIBROMOETHANE, 1,2-	5.8E+00	noncarcinogenic effects	7.4E+00	5.8E+00	2.9E+01	NA
DICHLOROBENZENE, 1,2-	6.0E+02	saturation limit	-	9.1E+03	4.6E+04	6.0E+02
DICHLOROBENZENE, 1,3-	1.3E+02	noncarcinogenic effects	-	1.3E+02	6.7E+02	6.0E+02
*DICHLOROBENZENE, 1,4-	2.0E+02	carcinogenic effects	2.0E+02	4.0E+03	2.0E+04	NA
*DICHLOROBENZIDINE, 3,3-	1.7E+01	carcinogenic effects	1.7E+01	-	-	NA
*DICHLORODIPHENYLDICHLOROETHANE (DDD)	1.2E+02	carcinogenic effects	1.2E+02	-	-	NA
*DICHLORODIPHENYLDICHLOROETHYLENE (DDE)	8.7E+01	carcinogenic effects	8.7E+01	-	-	NA
*DICHLORODIPHENYLTRICHLOROETHANE (DDT)	8.7E+01	carcinogenic effects	8.7E+01	3.0E+02	1.5E+03	NA
*DICHLOROETHANE, 1,1-	2.6E+02	carcinogenic effects	2.6E+02	4.1E+03	2.0E+04	1.7E+03
*DICHLOROETHANE, 1,2-	3.3E+01	carcinogenic effects	3.3E+01	6.9E+01	3.4E+02	1.8E+03
DICHLOROETHYLENE, 1,1-	1.0E+03	noncarcinogenic effects	-	1.0E+03	5.0E+03	1.5E+03
DICHLOROETHYLENE, Cis 1,2-	3.5E+02	noncarcinogenic effects	-	3.5E+02	1.8E+03	1.2E+03
DICHLOROETHYLENE, Trans 1,2-	5.7E+02	noncarcinogenic effects	-	5.7E+02	2.8E+03	3.1E+03
DICHLOROPHENOL, 2,4-	1.2E+03	noncarcinogenic effects	-	1.2E+03	6.0E+03	NA
*DICHLOROPROPANE, 1,2-	4.7E+01	noncarcinogenic effects	5.9E+01	4.7E+01	2.4E+02	1.1E+03
*DICHLOROPROPENE, 1,3-	2.0E+01	carcinogenic effects	2.0E+01	1.3E+02	6.6E+02	1.4E+03
*DIELDRIN	1.2E+00	carcinogenic effects	1.2E+00	2.0E+01	1.0E+02	NA
DIETHYLPHTHALATE	3.2E+05	noncarcinogenic effects	-	3.2E+05	1.6E+06	NA
DIMETHYLPHTHALATE	4.0E+06	noncarcinogenic effects	-	4.0E+06	2.0E+07	NA
DIMETHYLPHENOL, 2,4-	4.9E+03	noncarcinogenic effects	-	4.9E+03	2.5E+04	NA
DINITROPHENOL, 2,4-	8.0E+02	noncarcinogenic effects	-	8.0E+02	4.0E+03	NA
*DINITROTOLUENE, 2,4-	6.4E+01	carcinogenic effects	6.4E+01	8.0E+02	4.0E+03	NA
*1,4 DIOXANE	7.4E+02	carcinogenic effects	7.4E+02	-	-	NA
*DIOXIN (2,3,7,8-TCDD)	2.3E-04	carcinogenic effects	2.3E-04	-	-	NA
ENDOSULFAN	2.4E+03	noncarcinogenic effects	-	2.4E+03	1.2E+04	NA
ENDRIN	1.2E+02	noncarcinogenic effects	-	1.2E+02	6.0E+02	NA
ETHYLBENZENE	4.0E+02	saturation limit	8.0E+02	1.6E+04	7.9E+04	4.0E+02
FLUORANTHENE	1.4E+04	noncarcinogenic effects	-	1.4E+04	7.0E+04	NA
FLUORENE	2.6E+04	noncarcinogenic effects	-	2.6E+04	1.3E+05	NA
*HEPTACHLOR	4.9E+00	carcinogenic effects	4.9E+00	2.0E+02	1.0E+03	NA

**TABLE K-3. DIRECT-EXPOSURE SCREENING LEVELS
CONSTRUCTION/TRENCH WORKER EXPOSURE SCENARIO**

CHEMICAL	Final Screening Level (mg/kg)	Basis	Carcinogens (Risk = 10 ⁻⁶) (mg/kg)	Noncarcinogens HQ = 0.2 (mg/kg)	Noncarcinogens (HQ = 1.0) (mg/kg)	Saturation (mg/kg)
*HEPTACHLOR EPOXIDE	3.6E+00	carcinogenic effects	3.6E+00	5.2E+00	2.6E+01	NA
*HEXACHLOROBENZENE	1.1E+01	carcinogenic effects	1.1E+01	3.2E+02	1.6E+03	NA
HEXACHLOROBUTADIENE	1.2E+02	noncarcinogenic effects	2.6E+02	1.2E+02	6.0E+02	NA
*HEXACHLOROCYCLOHEXANE (gamma) LINDANE	2.5E+01	carcinogenic effects	2.5E+01	1.7E+02	8.3E+02	NA
*HEXACHLOROETHANE	4.0E+02	noncarcinogenic effects	5.1E+02	4.0E+02	2.0E+03	NA
*INDENO(1,2,3-cd)PYRENE	1.5E+01	carcinogenic effects	1.5E+01	-	-	NA
LEAD	7.5E+02	=occupational	-	-	-	NA
MERCURY	1.1E+02	noncarcinogenic effects	-	1.1E+02	5.7E+02	NA
METHOXYCHLOR	2.0E+03	noncarcinogenic effects	-	2.0E+03	1.0E+04	NA
*METHYLENE CHLORIDE	3.8E+02	carcinogenic effects	3.8E+02	1.7E+04	8.5E+04	2.4E+03
METHYL ETHYL KETONE	3.4E+04	saturation limit	-	6.2E+04	3.1E+05	3.4E+04
METHYL ISOBUTYL KETONE	6.5E+03	noncarcinogenic effects	-	6.5E+03	3.3E+04	1.7E+04
METHYL MERCURY	4.1E+01	noncarcinogenic effects	-	4.1E+01	2.0E+02	NA
METHYLNAPHTHALENE (total 1- & 2-)	1.3E+04	noncarcinogenic effects	-	1.3E+04	6.4E+04	NA
*METHYL TERT BUTYL ETHER	2.8E+03	carcinogenic effects	2.8E+03	4.7E+04	2.4E+05	2.1E+04
MOLYBDENUM	3.9E+03	noncarcinogenic effects	-	3.9E+03	1.9E+04	NA
NAPHTHALENE	4.6E+02	noncarcinogenic effects	-	4.6E+02	2.3E+03	NA
*NICKEL	1.0E+03	carcinogenic effects	1.0E+03	1.5E+04	7.7E+04	NA
*PENTACHLOROPHENOL	1.5E+02	carcinogenic effects	1.5E+02	7.1E+03	3.5E+04	NA
PERCHLORATE	7.7E+01	noncarcinogenic effects	-	7.7E+01	3.9E+02	NA
PHENANTHRENE	2.6E+04	=fluorene	-	2.6E+04	1.3E+05	NA
PHENOL	2.4E+05	noncarcinogenic effects	-	2.4E+05	1.2E+06	NA
*POLYCHLORINATED BIPHENYLS (PCBs)	6.7E+00	noncarcinogenic effects	8.4E+00	6.7E+00	3.4E+01	NA
PYRENE	2.3E+04	noncarcinogenic effects	-	2.3E+04	1.1E+05	NA
SELENIUM	3.9E+03	noncarcinogenic effects	-	3.9E+03	1.9E+04	NA
SILVER	3.9E+03	noncarcinogenic effects	-	3.9E+03	1.9E+04	NA
STYRENE	1.5E+03	saturation limit	-	3.7E+04	1.9E+05	1.5E+03
tert-BUTYL ALCOHOL	1.8E+04	carcinogenic effects	1.3E+04	-	-	3.2E+05
TETRACHLOROETHANE, 1,1,1,2-	2.8E+02	carcinogenic effects	2.8E+02	4.3E+03	2.2E+04	2.0E+03
*TETRACHLOROETHANE, 1,1,2,2-	3.4E+01	carcinogenic effects	3.4E+01	8.7E+03	4.3E+04	2.0E+03
*TETRACHLOROETHYLENE	3.7E+01	carcinogenic effects	3.7E+01	3.2E+03	1.6E+04	2.3E+02
THALLIUM	5.1E+01	noncarcinogenic effects	-	5.1E+01	2.6E+02	NA
TOLUENE	6.5E+02	saturation limit	-	5.3E+03	2.7E+04	6.5E+02
TOXAPHENE	1.7E+01	carcinogenic effects	1.7E+01	-	-	NA
TPH (gasolines)	2.3E+04	=pyrene	-	2.3E+04	1.1E+05	NA
TPH (middle distillates)	2.3E+04	=pyrene	-	2.3E+04	1.1E+05	NA

**TABLE K-3. DIRECT-EXPOSURE SCREENING LEVELS
CONSTRUCTION/TRENCH WORKER EXPOSURE SCENARIO**

CHEMICAL	Final Screening Level (mg/kg)	Basis	Carcinogens (Risk = 10 ⁻⁶) (mg/kg)	Noncarcinogens HQ = 0.2 (mg/kg)	Noncarcinogens (HQ = 1.0) (mg/kg)	Saturation (mg/kg)
TPH (residual fuels)	2.3E+04	pyrene	-	2.3E+04	1.1E+05	NA
*TRICHLOROBENZENE, 1,2,4-	6.2E+03	noncarcinogenic effects	1.1E+04	6.2E+03	3.1E+04	NA
TRICHLOROETHANE, 1,1,1-	1.2E+03	saturation limit	-	1.7E+03	8.7E+03	1.2E+03
*TRICHLOROETHANE, 1,1,2-	6.3E+01	carcinogenic effects	6.3E+01	3.0E+02	1.5E+03	1.8E+03
*TRICHLOROETHYLENE	1.5E+02	noncarcinogenic effects	2.6E+02	1.5E+02	7.4E+02	1.3E+03
TRICHLOROPHENOL, 2,4,5-	1.9E+04	noncarcinogenic effects	-	1.9E+04	9.3E+04	NA
*TRICHLOROPHENOL, 2,4,6-	2.9E+02	carcinogenic effects	2.9E+02	-	-	NA
VANADIUM	5.4E+03	noncarcinogenic effects	-	5.4E+03	2.7E+04	NA
*VINYL CHLORIDE	2.4E+00	carcinogenic effects	2.4E+00	-	-	1.2E+03
XYLENES	4.2E+02	saturation limit	-	2.2E+03	1.1E+04	4.2E+02
ZINC	2.3E+05	noncarcinogenic effects	-	2.3E+05	1.2E+06	NA

Primary source: USEPA Region IX Preliminary Remediation Goals (PRGs, USEPA 2002), modified as noted below. See text for discussion.

Notes:

See text for equations and assumptions used in models.

Final screening level is lowest of individual screening levels for carcinogenic effects and noncarcinogenic effects (based on HQ=0.2) or screening level for construction/trench workers if lower (see Table K-3). Saturation limit used as upper limit for volatile organic compounds that are liquid at ambient conditions (see text).

Carcinogens: Based on target cancer risk of 10⁻⁶; modified with respect to CalEPA/OEHHA slope factors when available (marked by *). Screening levels for PCBs based on updated USEPA slope factors as presented in USEPA Region IX Preliminary Remediation Goals document (USEPA 2002).

Noncarcinogens: Adjusted to target hazard quotient of 0.2 for use in tables. Screening levels based on hazard quotient of 1.0 provided for reference.

Saturation: Theoretical soil saturation level in the absence of free product; calculated for volatile organic compounds that are liquids under ambient conditions (refer to Table J).

TPH: Total Petroleum Hydrocarbons. See text for discussion of different TPH categories. Direct exposure screening levels after Massachusetts Department of Environmental Protection (see text).

Residential screening level for lead from Interim Guidance for Evaluating Lead-Based Paint and Asbestos Containing Materials at Proposed School Sites (DTSC 2001).

Attachment D
LABORATORY PROCEDURES,
CERTIFIED ANALYTICAL REPORTS,
AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by the Atlantic Richfield Company have been reviewed and verified by that laboratory.

URS-Oakland, CA

May 24, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486907

Project: BP Facility No: 6148

Site: 5131 Shattuck Ave., Oakland, CA

Attached is our report for your samples received on 04/29/2004 18:50
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
06/13/2004 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: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

URS-Oakland, CA

May 24, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486907

Project: BP Facility No: 6148

Site: 5131 Shattuck Ave., Oakland, CA

Case Narrative

General and Sample Comments

We (STL San Francisco) received 16 Soil samples , on Thursday, April 29, 2004 6:50 PM.

Analysis Comments and Flags by QC Batch

Total Lead	Soil	QC Batch#: 2004/04/30-04.15
------------	------	-----------------------------

DG-001 >> MS 2004/04/30-04.15-045
Compound Flag(s)
mso MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

DG-001 >> MSD 2004/04/30-04.15-046
Compound Flag(s)
mso MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

Volatile Organic Compounds by 8260B (High Level)	Soil	QC Batch#: 2004/05/13-02.71
--------------------------------------------------	------	-----------------------------

CSB-2-18.0 2004040929 014
Analysis Flag(s)
o Reporting limits were raised due to high level of analyte present in the sample.

CSB-2-18.0 2004040929 014
Compound Flag(s)
sd Surrogate recovery not reportable due to required dilution.

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Soil	QC Batch#: 200405102C69
--------------------------------------------	------	-------------------------

CSB-9-26.5 2004040929 005
Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

DRUM 1 2004040929 010
Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

CSB-4-16.5 2004040929 011

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

URS-Oakland, CA

May 24, 2004

1333 Broadway, Suite 800
Oakland, CA 94612

Attn.: Scott Robinson

Project#: Consultant Project No: 38486907

Project: BP Facility No: 6148

Site: 5131 Shattuck Ave., Oakland, CA

Case Narrative

Compound Flag(s)
sh Surrogate recovery was higher than QC limit due to matrix interference.

Gas/BTEX Fuel Oxygenates by 8260B (High Level)	Soil	QC Batch#: 200405123B69
------------------------------------------------	------	-------------------------

CSB-3-17.5 2004040929 015

Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

CSB-1-17.5 2004040929 016

Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Fuel Oxygenates by 8260B (for BP)	Soil	QC Batch#: 200405131B69
--------------------------------------------	------	-------------------------

CSB-4-19.0 2004040929 012

Compound Flag(s)
g Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CSB-9-6.0	04/29/2004 09:30	Soil	1
CSB-9-11.5	04/29/2004 09:35	Soil	2
CSB-9-16.5	04/29/2004 09:50	Soil	3
CSB-9-21.5	04/29/2004 09:55	Soil	4
CSB-9-26.5	04/29/2004 10:05	Soil	5
SB-8-2	04/29/2004 11:30	Soil	6
CSB-6-16.0	04/29/2004 13:00	Soil	7
CSB-5-15.5	04/29/2004 14:10	Soil	8
CSB-4-16.5	04/29/2004 14:45	Soil	11
CSB-2-14.0	04/29/2004 15:35	Soil	13
CSB-3-17.5	04/29/2004 15:45	Soil	15
CSB-1-17.5	04/29/2004 16:00	Soil	16

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-6.0	Lab ID:	2004-04-0929-1
Sampled:	04/29/2004 09:30	Extracted:	5/5/2004 12:46
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 12:46	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 12:46	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 12:46	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 12:46	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 12:46	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-6.0	Lab ID:	2004-04-0929 - 1
Sampled:	04/29/2004 09:30	Extracted:	5/5/2004 12:46
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 12:46	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 12:46	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 12:46	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 12:46	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 12:46	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-6.0	Lab ID:	2004-04-0929 - 1
Sampled:	04/29/2004 09:30	Extracted:	5/5/2004 12:46
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 12:46	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 12:46	
Surrogate(s)						
4-Bromofluorobenzene	96.4	74-121	%	1.00	05/05/2004 12:46	
1,2-Dichloroethane-d4	107.4	70-121	%	1.00	05/05/2004 12:46	
Toluene-d8	105.8	81-117	%	1.00	05/05/2004 12:46	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-11.5	Lab ID:	2004-04-0929 - 2
Sampled:	04/29/2004 09:35	Extracted:	5/5/2004 14:59
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Acetone	73	50	ug/Kg	1.00	05/05/2004 14:59	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 14:59	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 14:59	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 14:59	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 14:59	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-11.5	Lab ID:	2004-04-0929 - 2
Sampled:	04/29/2004 09:35	Extracted:	5/5/2004 14:59
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 14:59	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 14:59	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 14:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 14:59	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 14:59	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-11.5	Lab ID:	2004-04-0929 - 2
Sampled:	04/29/2004 09:35	Extracted:	5/5/2004 14:59
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 14:59	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 14:59	
Surrogate(s)						
4-Bromofluorobenzene	98.0	74-121	%	1.00	05/05/2004 14:59	
1,2-Dichloroethane-d4	99.8	70-121	%	1.00	05/05/2004 14:59	
Toluene-d8	104.9	81-117	%	1.00	05/05/2004 14:59	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-16.5	Lab ID:	2004-04-0929-3
Sampled:	04/29/2004 09:50	Extracted:	5/6/2004 11:09
Matrix:	Soil	QC Batch#:	2004/05/06-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Acetone	60	50	ug/Kg	1.00	05/06/2004 11:09	
Benzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Bromochloromethane	ND	20	ug/Kg	1.00	05/06/2004 11:09	
Bromoform	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Bromomethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/06/2004 11:09	
n-Butylbenzene	39	5.0	ug/Kg	1.00	05/06/2004 11:09	
sec-Butylbenzene	10	5.0	ug/Kg	1.00	05/06/2004 11:09	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Chloroethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/06/2004 11:09	
Chloroform	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Chloromethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/06/2004 11:09	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-16.5	Lab ID:	2004-04-0929 - 3
Sampled:	04/29/2004 09:50	Extracted:	5/6/2004 11:09
Matrix:	Soil	QC Batch#:	2004/05/06-01:09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
Dibromomethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/06/2004 11:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
2-Hexanone	ND	50	ug/Kg	1.00	05/06/2004 11:09	
Isopropylbenzene	5.0	5.0	ug/Kg	1.00	05/06/2004 11:09	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Methylene chloride	ND	10	ug/Kg	1.00	05/06/2004 11:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/06/2004 11:09	
Naphthalene	ND	10	ug/Kg	1.00	05/06/2004 11:09	
n-Propylbenzene	24	5.0	ug/Kg	1.00	05/06/2004 11:09	
Styrene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Toluene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-16.5	Lab ID:	2004-04-0929 - 3
Sampled:	04/29/2004 09:50	Extracted:	5/6/2004 11:09
Matrix:	Soil	QC Batch#:	2004/05/06-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Vinyl acetate	ND	50	ug/Kg	1.00	05/06/2004 11:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Total xylenes	ND	5.0	ug/Kg	1.00	05/06/2004 11:09	
Surrogate(s)						
4-Bromofluorobenzene	96.0	74-121	%	1.00	05/06/2004 11:09	
1,2-Dichloroethane-d4	89.3	70-121	%	1.00	05/06/2004 11:09	
Toluene-d8	103.6	81-117	%	1.00	05/06/2004 11:09	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-21.5	Lab ID:	2004-04-0929 - 4
Sampled:	04/29/2004 09:55	Extracted:	5/5/2004 15:26
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 15:26	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 15:26	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 15:26	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 15:26	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 15:26	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-21.5	Lab ID:	2004-04-0929 - 4
Sampled:	04/29/2004 09:55	Extracted:	5/5/2004 15:26
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 15:26	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 15:26	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 15:26	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 15:26	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 15:26	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-9-21.5	Lab ID: 2004-04-0929 - 4
Sampled: 04/29/2004 09:55	Extracted: 5/5/2004 15:26
Matrix: Soil	QC Batch#: 2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 15:26	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 15:26	
Surrogate(s)						
4-Bromofluorobenzene	99.5	74-121	%	1.00	05/05/2004 15:26	
1,2-Dichloroethane-d4	105.2	70-121	%	1.00	05/05/2004 15:26	
Toluene-d8	107.7	81-117	%	1.00	05/05/2004 15:26	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-26.5	Lab ID:	2004-04-0929 - 5
Sampled:	04/29/2004 10:05	Extracted:	5/5/2004 15:52
Matrix:	Soil	QC Batch#:	2004/05/06-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 15:52	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 15:52	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 15:52	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 15:52	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 15:52	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-26.5	Lab ID:	2004-04-0929 - 5
Sampled:	04/29/2004 10:05	Extracted:	5/5/2004 15:52
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 15:52	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 15:52	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 15:52	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 15:52	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 15:52	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-9-26.5	Lab ID:	2004-04-0929 - 5
Sampled:	04/29/2004 10:05	Extracted:	5/5/2004 15:52
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 15:52	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 15:52	
Surrogate(s)						
4-Bromofluorobenzene	98.4	74-121	%	1.00	05/05/2004 15:52	
1,2-Dichloroethane-d4	103.1	70-121	%	1.00	05/05/2004 15:52	
Toluene-d8	106.1	81-117	%	1.00	05/05/2004 15:52	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SB-8-2	Lab ID:	2004-04-0929 - 6
Sampled:	04/29/2004 11:30	Extracted:	5/5/2004 16:19
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 16:19	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 16:19	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 16:19	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 16:19	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 16:19	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	SB-8-2	Lab ID:	2004-04-0929 - 6
Sampled:	04/29/2004 11:30	Extracted:	5/5/2004 16:19
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 16:19	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 16:19	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 16:19	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 16:19	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 16:19	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: SB-8-2	Lab ID: 2004-04-0929 - 6
Sampled: 04/29/2004 11:30	Extracted: 5/5/2004 16:19
Matrix: Soil	QC Batch#: 2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 16:19	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 16:19	
Surrogate(s)						
4-Bromofluorobenzene	94.5	74-121	%	1.00	05/05/2004 16:19	
1,2-Dichloroethane-d4	108.1	70-121	%	1.00	05/05/2004 16:19	
Toluene-d8	106.6	81-117	%	1.00	05/05/2004 16:19	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-6-16.0	Lab ID:	2004-04-0929 - 7
Sampled:	04/29/2004 13:00	Extracted:	5/5/2004 16:45
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 16:45	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 16:45	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 16:45	
n-Butylbenzene	14	5.0	ug/Kg	1.00	05/05/2004 16:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 16:45	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 16:45	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-6-16.0	Lab ID:	2004-04-0929 - 7
Sampled:	04/29/2004 13:00	Extracted:	5/5/2004 16:45
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 16:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Ethylbenzene	17	5.0	ug/Kg	1.00	05/05/2004 16:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 16:45	
Isopropylbenzene	8.3	5.0	ug/Kg	1.00	05/05/2004 16:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 16:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 16:45	
Naphthalene	150	10	ug/Kg	1.00	05/05/2004 16:45	
n-Propylbenzene	29	5.0	ug/Kg	1.00	05/05/2004 16:45	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-6-16.0	Lab ID:	2004-04-0929 - 7
Sampled:	04/29/2004 13:00	Extracted:	5/5/2004 16:45
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 16:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 16:45	
Surrogate(s)						
4-Bromofluorobenzene	96.7	74-121	%	1.00	05/05/2004 16:45	
1,2-Dichloroethane-d4	108.0	70-121	%	1.00	05/05/2004 16:45	
Toluene-d8	109.1	81-117	%	1.00	05/05/2004 16:45	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-15.5	Lab ID:	2004-04-0929 - 8
Sampled:	04/29/2004 14:10	Extracted:	5/5/2004 17:12
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 17:12	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 17:12	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 17:12	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 17:12	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 17:12	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-15.5	Lab ID:	2004-04-0929 - 8
Sampled:	04/29/2004 14:10	Extracted:	5/5/2004 17:12
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 17:12	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 17:12	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 17:12	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 17:12	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 17:12	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-15.5	Lab ID:	2004-04-0929 - 8
Sampled:	04/29/2004 14:10	Extracted:	5/5/2004 17:12
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 17:12	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 17:12	
Surrogate(s)						
4-Bromofluorobenzene	102.7	74-121	%	1.00	05/05/2004 17:12	
1,2-Dichloroethane-d4	112.3	70-121	%	1.00	05/05/2004 17:12	
Toluene-d8	109.0	81-117	%	1.00	05/05/2004 17:12	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-4-16.5	Lab ID:	2004-04-0929 - 11
Sampled:	04/29/2004 14:45	Extracted:	5/5/2004 17:38
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 17:38	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 17:38	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 17:38	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 17:38	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 17:38	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-4-16.5	Lab ID:	2004-04-0929 - 11
Sampled:	04/29/2004 14:45	Extracted:	5/5/2004 17:38
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 17:38	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 17:38	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 17:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 17:38	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 17:38	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-4-16.5	Lab ID:	2004-04-0929 - 11
Sampled:	04/29/2004 14:45	Extracted:	5/5/2004 17:38
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 17:38	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 17:38	
Surrogate(s)						
4-Bromofluorobenzene	92.8	74-121	%	1.00	05/05/2004 17:38	
1,2-Dichloroethane-d4	101.5	70-121	%	1.00	05/05/2004 17:38	
Toluene-d8	101.3	81-117	%	1.00	05/05/2004 17:38	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-2-14.0	Lab ID:	2004-04-0929 - 13
Sampled:	04/29/2004 15:35	Extracted:	5/5/2004 18:04
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Acetone	ND	50	ug/Kg	1.00	05/05/2004 18:04	
Benzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Bromochloromethane	ND	20	ug/Kg	1.00	05/05/2004 18:04	
Bromoform	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Bromomethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/05/2004 18:04	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Chloroethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/05/2004 18:04	
Chloroform	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Chloromethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/05/2004 18:04	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-2-14.0	Lab ID:	2004-04-0929 - 13
Sampled:	04/29/2004 15:35	Extracted:	5/5/2004 18:04
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
Dibromomethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/05/2004 18:04	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
2-Hexanone	ND	50	ug/Kg	1.00	05/05/2004 18:04	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Methylene chloride	ND	10	ug/Kg	1.00	05/05/2004 18:04	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/05/2004 18:04	
Naphthalene	ND	10	ug/Kg	1.00	05/05/2004 18:04	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Styrene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Toluene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-2-14.0	Lab ID:	2004-04-0929 - 13
Sampled:	04/29/2004 15:35	Extracted:	5/5/2004 18:04
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Vinyl acetate	ND	50	ug/Kg	1.00	05/05/2004 18:04	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Total xylenes	ND	5.0	ug/Kg	1.00	05/05/2004 18:04	
Surrogate(s)						
4-Bromofluorobenzene	93.6	74-121	%	1.00	05/05/2004 18:04	
1,2-Dichloroethane-d4	102.0	70-121	%	1.00	05/05/2004 18:04	
Toluene-d8	104.1	81-117	%	1.00	05/05/2004 18:04	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-3-17.5	Lab ID:	2004-04-0929 - 15
Sampled:	04/29/2004 15:45	Extracted:	5/5/2004 18:57
Matrix:	Soil	QC Batch#:	2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Acetone	ND	220	ug/Kg	4.35	05/05/2004 18:57	
Benzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Bromodichloromethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Bromobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Bromochloromethane	ND	87	ug/Kg	4.35	05/05/2004 18:57	
Bromoform	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Bromomethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
2-Butanone(MEK)	ND	220	ug/Kg	4.35	05/05/2004 18:57	
n-Butylbenzene	27	22	ug/Kg	4.35	05/05/2004 18:57	
sec-Butylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
tert-Butylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Carbon disulfide	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Carbon tetrachloride	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Chlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Chloroethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
2-Chloroethylvinyl ether	ND	220	ug/Kg	4.35	05/05/2004 18:57	
Chloroform	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Chloromethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
2-Chlorotoluene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
4-Chlorotoluene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Dibromochloromethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,3-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,4-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,3-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
2,2-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2-Dibromo-3-chloropropane	ND	220	ug/Kg	4.35	05/05/2004 18:57	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-3-17.5	Lab ID: 2004-04-0929 - 15
Sampled: 04/29/2004 15:45	Extracted: 5/5/2004 18:57
Matrix: Soil	QC Batch#: 2004/05/05-01-09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
Dibromomethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
Dichlorodifluoromethane	ND	43	ug/Kg	4.35	05/05/2004 18:57	
1,1-Dichloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2-Dichloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
cis-1,2-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
trans-1,2-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
cis-1,3-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
trans-1,3-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Ethylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Hexachlorobutadiene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
2-Hexanone	ND	220	ug/Kg	4.35	05/05/2004 18:57	
Isopropylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
p-Isopropyltoluene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Methylene chloride	ND	43	ug/Kg	4.35	05/05/2004 18:57	
4-Methyl-2-pentanone (MIBK)	ND	220	ug/Kg	4.35	05/05/2004 18:57	
Naphthalene	150	43	ug/Kg	4.35	05/05/2004 18:57	
n-Propylbenzene	34	22	ug/Kg	4.35	05/05/2004 18:57	
Styrene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1,2,2-Tetrachloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Tetrachloroethene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Toluene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2,3-Trichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2,4-Trichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1,1-Trichloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,1,2-Trichloroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-3-17.5	Lab ID:	2004-04-0929 - 15
Sampled:	04/29/2004 15:45	Extracted:	5/5/2004 18:57
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Trichlorofluoromethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Trichlorotrifluoroethane	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,2,4-Trimethylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
1,3,5-Trimethylbenzene	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Vinyl acetate	ND	220	ug/Kg	4.35	05/05/2004 18:57	
Vinyl chloride	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Total xylenes	ND	22	ug/Kg	4.35	05/05/2004 18:57	
Surrogate(s)						
4-Bromofluorobenzene	94.5	74-121	%	4.35	05/05/2004 18:57	
1,2-Dichloroethane-d4	91.3	70-121	%	4.35	05/05/2004 18:57	
Toluene-d8	101.7	81-117	%	4.35	05/05/2004 18:57	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-1-17.5	Lab ID:	2004-04-0929 - 16
Sampled:	04/29/2004 16:00	Extracted:	5/5/2004 19:24
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Acetone	ND	220	ug/Kg	4.35	05/05/2004 19:24	
Benzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Bromodichloromethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Bromobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Bromochloromethane	ND	87	ug/Kg	4.35	05/05/2004 19:24	
Bromoform	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Bromomethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
2-Butanone(MEK)	ND	220	ug/Kg	4.35	05/05/2004 19:24	
n-Butylbenzene	42	22	ug/Kg	4.35	05/05/2004 19:24	
sec-Butylbenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
tert-Butylbenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Carbon disulfide	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Carbon tetrachloride	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Chlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Chloroethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
2-Chloroethylvinyl ether	ND	220	ug/Kg	4.35	05/05/2004 19:24	
Chloroform	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Chloromethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
2-Chlorotoluene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
4-Chlorotoluene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Dibromochloromethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,3-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,4-Dichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,3-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
2,2-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2-Dibromo-3-chloropropane	ND	220	ug/Kg	4.35	05/05/2004 19:24	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-1-17.5	Lab ID:	2004-04-0929 - 16
Sampled:	04/29/2004 16:00	Extracted:	5/5/2004 19:24
Matrix:	Soil	QC Batch#:	2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
Dibromomethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
Dichlorodifluoromethane	ND	43	ug/Kg	4.35	05/05/2004 19:24	
1,1-Dichloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2-Dichloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
cis-1,2-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
trans-1,2-Dichloroethene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2-Dichloropropane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
cis-1,3-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
trans-1,3-Dichloropropene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Ethylbenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Hexachlorobutadiene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
2-Hexanone	ND	220	ug/Kg	4.35	05/05/2004 19:24	
Isopropylbenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
p-Isopropyltoluene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Methylene chloride	ND	43	ug/Kg	4.35	05/05/2004 19:24	
4-Methyl-2-pentanone (MIBK)	ND	220	ug/Kg	4.35	05/05/2004 19:24	
Naphthalene	380	43	ug/Kg	4.35	05/05/2004 19:24	
n-Propylbenzene	62	22	ug/Kg	4.35	05/05/2004 19:24	
Styrene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1,2,2-Tetrachloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Tetrachloroethene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Toluene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2,3-Trichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2,4-Trichlorobenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1,1-Trichloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,1,2-Trichloroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-1-17.5	Lab ID: 2004-04-0929 - 16
Sampled: 04/29/2004 16:00	Extracted: 5/5/2004 19:24
Matrix: Soil	QC Batch#: 2004/05/05-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Trichlorofluoromethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Trichlorotrifluoroethane	ND	22	ug/Kg	4.35	05/05/2004 19:24	
1,2,4-Trimethylbenzene	43	22	ug/Kg	4.35	05/05/2004 19:24	
1,3,5-Trimethylbenzene	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Vinyl acetate	ND	220	ug/Kg	4.35	05/05/2004 19:24	
Vinyl chloride	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Total xylenes	ND	22	ug/Kg	4.35	05/05/2004 19:24	
Surrogate(s)						
4-Bromofluorobenzene	92.7	74-121	%	4.35	05/05/2004 19:24	
1,2-Dichloroethane-d4	95.4	70-121	%	4.35	05/05/2004 19:24	
Toluene-d8	102.9	81-117	%	4.35	05/05/2004 19:24	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/05-01.09-004

Soil

Test(s): 8260B

QC Batch # 2004/05/05-01.09

Date Extracted: 05/05/2004 09:31

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	05/05/2004 09:31	
Acetone	ND	50	ug/Kg	05/05/2004 09:31	
Benzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Bromodichloromethane	ND	5.0	ug/Kg	05/05/2004 09:31	
Bromobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Bromochloromethane	ND	20	ug/Kg	05/05/2004 09:31	
Bromoform	ND	5.0	ug/Kg	05/05/2004 09:31	
Bromomethane	ND	10	ug/Kg	05/05/2004 09:31	
2-Butanone(MEK)	ND	50	ug/Kg	05/05/2004 09:31	
n-Butylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
sec-Butylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
tert-Butylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Carbon disulfide	ND	5.0	ug/Kg	05/05/2004 09:31	
Carbon tetrachloride	ND	5.0	ug/Kg	05/05/2004 09:31	
Chlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Chloroethane	ND	10	ug/Kg	05/05/2004 09:31	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/05/2004 09:31	
Chloroform	ND	5.0	ug/Kg	05/05/2004 09:31	
Chloromethane	ND	10	ug/Kg	05/05/2004 09:31	
2-Chlorotoluene	ND	5.0	ug/Kg	05/05/2004 09:31	
4-Chlorotoluene	ND	5.0	ug/Kg	05/05/2004 09:31	
Dibromochloromethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	05/05/2004 09:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1-Dichloropropane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/05/2004 09:31	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report					
Prep(s): 5035				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2004/05/05-01.09	
MB: 2004/05/05-01.09-004				Date Extracted: 05/05/2004 09:31	

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	05/05/2004 09:31	
Dibromomethane	ND	10	ug/Kg	05/05/2004 09:31	
Dichlorodifluoromethane	ND	10	ug/Kg	05/05/2004 09:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/05/2004 09:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/05/2004 09:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/05/2004 09:31	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/05/2004 09:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/05/2004 09:31	
Ethylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/05/2004 09:31	
2-Hexanone	ND	50	ug/Kg	05/05/2004 09:31	
Isopropylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/05/2004 09:31	
Methylene chloride	ND	10	ug/Kg	05/05/2004 09:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/05/2004 09:31	
Naphthalene	ND	10	ug/Kg	05/05/2004 09:31	
n-Propylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Styrene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
Tetrachloroethene	ND	5.0	ug/Kg	05/05/2004 09:31	
Toluene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/05/2004 09:31	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/05-01.09-004

Soil

Test(s): 8260B

QC Batch # 2004/05/05-01.09

Date Extracted: 05/05/2004 09:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	05/05/2004 09:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/05/2004 09:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/05/2004 09:31	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/05/2004 09:31	
Vinyl acetate	ND	50	ug/Kg	05/05/2004 09:31	
Vinyl chloride	ND	5.0	ug/Kg	05/05/2004 09:31	
Total xylenes	ND	5.0	ug/Kg	05/05/2004 09:31	
Surrogates(s)					
4-Bromofluorobenzene	91.6	74-121	%	05/05/2004 09:31	
1,2-Dichloroethane-d4	94.2	70-121	%	05/05/2004 09:31	
Toluene-d8	103.9	81-117	%	05/05/2004 09:31	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5035			Test(s): 8260B
Method Blank	Soil		QC Batch # 2004/05/06-01.09
MB: 2004/05/06-01.09-004			Date Extracted: 05/06/2004 10:42

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	05/06/2004 10:42	
Acetone	ND	50	ug/Kg	05/06/2004 10:42	
Benzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Bromodichloromethane	ND	5.0	ug/Kg	05/06/2004 10:42	
Bromobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Bromochloromethane	ND	20	ug/Kg	05/06/2004 10:42	
Bromoform	ND	5.0	ug/Kg	05/06/2004 10:42	
Bromomethane	ND	10	ug/Kg	05/06/2004 10:42	
2-Butanone(MEK)	ND	50	ug/Kg	05/06/2004 10:42	
n-Butylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
sec-Butylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
tert-Butylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Carbon disulfide	ND	5.0	ug/Kg	05/06/2004 10:42	
Carbon tetrachloride	ND	5.0	ug/Kg	05/06/2004 10:42	
Chlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Chloroethane	ND	10	ug/Kg	05/06/2004 10:42	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/06/2004 10:42	
Chloroform	ND	5.0	ug/Kg	05/06/2004 10:42	
Chloromethane	ND	10	ug/Kg	05/06/2004 10:42	
2-Chlorotoluene	ND	5.0	ug/Kg	05/06/2004 10:42	
4-Chlorotoluene	ND	5.0	ug/Kg	05/06/2004 10:42	
Dibromochloromethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,3-Dichloropropane	ND	5.0	ug/Kg	05/06/2004 10:42	
2,2-Dichloropropane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1-Dichloropropene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/06/2004 10:42	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/06-01.09-004

Soil

Test(s): 8260B

QC Batch # 2004/05/06-01.09

Date Extracted: 05/06/2004 10:42

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	05/06/2004 10:42	
Dibromomethane	ND	10	ug/Kg	05/06/2004 10:42	
Dichlorodifluoromethane	ND	10	ug/Kg	05/06/2004 10:42	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/06/2004 10:42	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/06/2004 10:42	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/06/2004 10:42	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/06/2004 10:42	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/06/2004 10:42	
Ethylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/06/2004 10:42	
2-Hexanone	ND	50	ug/Kg	05/06/2004 10:42	
Isopropylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/06/2004 10:42	
Methylene chloride	ND	10	ug/Kg	05/06/2004 10:42	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/06/2004 10:42	
Naphthalene	ND	10	ug/Kg	05/06/2004 10:42	
n-Propylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Styrene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
Tetrachloroethene	ND	5.0	ug/Kg	05/06/2004 10:42	
Toluene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/06/2004 10:42	

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05/06/2004 15:48

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2004/05/06-01.09-004

Soil

Test(s): 8260B
QC Batch # 2004/05/06-01.09
Date Extracted: 05/06/2004 10:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	05/06/2004 10:42	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/06/2004 10:42	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/06/2004 10:42	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/06/2004 10:42	
Vinyl acetate	ND	50	ug/Kg	05/06/2004 10:42	
Vinyl chloride	ND	5.0	ug/Kg	05/06/2004 10:42	
Total xylenes	ND	5.0	ug/Kg	05/06/2004 10:42	
Surrogates(s)					
4-Bromofluorobenzene	95.1	74-121	%	05/06/2004 10:42	
1,2-Dichloroethane-d4	94.4	70-121	%	05/06/2004 10:42	
Toluene-d8	102.6	81-117	%	05/06/2004 10:42	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report									
Prep(s): 5035					Test(s): 8260B				
Laboratory Control Spike			Soil		QC Batch # 2004/05/05-01.09				
LCS	2004/05/05-01.09-002		Extracted: 05/05/2004		Analyzed: 05/05/2004 08:27				
LCSD	2004/05/05-01.09-003		Extracted: 05/05/2004		Analyzed: 05/05/2004 09:04				

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	97.9	101	100.0	97.9	101.0	3.1	69-129	20		
Chlorobenzene	101	103	100.0	101.0	103.0	2.0	61-121	20		
1,1-Dichloroethene	72.9	68.7	100.0	72.9	68.7	5.9	65-125	20		
Toluene	96.8	105	100.0	96.8	105.0	8.1	70-130	20		
Trichloroethene	97.8	103	100.0	97.8	103.0	5.2	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	481	473	500	96.2	94.6		74-121			
1,2-Dichloroethane-d4	465	441	500	93.0	88.2		70-121			
Toluene-d8	491	521	500	98.2	104.2		81-117			

Volatile Organic Compounds by 8260B (Low Level)

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/05/06-01.09

LCS 2004/05/06-01.09-002

Extracted: 05/06/2004

Analyzed: 05/06/2004 09:38

LCSD 2004/05/06-01.09-003

Extracted: 05/06/2004

Analyzed: 05/06/2004 10:16

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	99.3	101	100.0	99.3	101.0	1.7	69-129	20		
Chlorobenzene	98.8	99.2	100.0	98.8	99.2	0.4	61-121	20		
1,1-Dichloroethene	69.1	72.9	100.0	69.1	72.9	5.4	65-125	20		
Toluene	104	103	100.0	104.0	103.0	1.0	70-130	20		
Trichloroethene	98.6	99.5	100.0	98.6	99.5	0.9	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	477	479	500	95.4	95.8		74-121			
1,2-Dichloroethane-d4	457	475	500	91.4	95.0		70-121			
Toluene-d8	518	509	500	103.6	101.8		81-117			

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2004/05/05-01.09

CSB-9-6.0 >> MS

Lab ID: 2004-04-0929 - 001

MS: 2004/05/05-01.09-013

Extracted: 05/05/2004

Analyzed: 05/05/2004 14:06

Dilution: 1.00

MSD: 2004/05/05-01.09-014

Extracted: 05/05/2004

Analyzed: 05/05/2004 14:33

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	101	100	ND	96.2	105.0	106.0	0.9	69-129	20		
Chlorobenzene	101	102	ND	96.2	105.0	108.2	3.0	61-121	20		
1,1-Dichloroethene	72.3	73.0	ND	96.2	75.2	77.4	2.9	65-125	20		
Toluene	101	99.3	ND	96.2	105.0	105.3	0.3	70-130	20		
Trichloroethene	104	99.6	ND	96.2	108.1	105.6	2.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	491	518		500	98.1	103.6		74-121			
1,2-Dichloroethane-d4	502	521		500	100.4	104.2		70-121			
Toluene-d8	517	525		500	103.4	104.9		81-117			

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05/06/2004 15:48

Total Lead

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
DRUM 1	04/29/2004 13:20	Soil	10

Total Lead

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: DRUM 1	Lab ID: 2004-04-0929 - 10
Sampled: 04/29/2004 13:20	Extracted: 4/30/2004 11:34
Matrix: Soil	QC Batch#: 2004/04/30-04.15
Analysis Flag: . (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.2	1.0	mg/Kg	1.00	05/03/2004 19:58	

Total Lead

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report					
Prep(s): 3050B				Test(s): 6010B	
Method Blank		Soil		QC Batch # 2004/04/30-04.15	
MB: 2004/04/30-04.15-041				Date Extracted: 04/30/2004 11:34	

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	05/03/2004 18:31	

Total Lead

URS-Oakland, CA

Attn.: Scott Robinson

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike				Soil			QC Batch # 2004/04/30-04.15			
LCS	2004/04/30-04.15-042			Extracted: 04/30/2004			Analyzed: 05/03/2004 18:35			
LCSD	2004/04/30-04.15-043			Extracted: 04/30/2004			Analyzed: 05/03/2004 18:38			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	96.5	94.0	100.0	96.5	94.0	2.6	80-120	20		

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05/06/2004 12:33

Total Lead

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268
Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s):	3050B	Test(s):	6010B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2004/04/30-04.15
DG-001 >> MS		Lab ID:	2004-04-0933 - 001
MS: 2004/04/30-04.15-045	Extracted: 04/30/2004	Analyzed:	05/03/2004 18:45
		Dilution:	1.00
MSD: 2004/04/30-04.15-046	Extracted: 04/30/2004	Analyzed:	05/03/2004 18:49
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Lead	222	234	185	96.2	38.5	50.5	27.0	75-125	20	mso	mso

Total Lead

URS-Oakland, CA

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Legend and Notes

Analysis Flag

Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA
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Phone: (510) 893-3600 Fax: (510) 874-3268
Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CSB-5-18.0	04/29/2004 14:15	Soil	9
CSB-4-19.0	04/29/2004 14:50	Soil	12

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-18.0	Lab ID:	2004-04-0929 - 9
Sampled:	04/29/2004 14:15	Extracted:	5/13/2004 21:04
Matrix:	Soil	QC Batch#:	2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Acetone	64	50	ug/Kg	1.00	05/13/2004 21:04	
Benzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Bromochloromethane	ND	20	ug/Kg	1.00	05/13/2004 21:04	
Bromoform	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Bromomethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/13/2004 21:04	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Chloroethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/13/2004 21:04	
Chloroform	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Chloromethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/13/2004 21:04	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

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Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-18.0	Lab ID:	2004-04-0929 - 9
Sampled:	04/29/2004 14:15	Extracted:	5/13/2004 21:04
Matrix:	Soil	QC Batch#:	2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
Dibromomethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/13/2004 21:04	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
2-Hexanone	ND	50	ug/Kg	1.00	05/13/2004 21:04	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Methylene chloride	ND	10	ug/Kg	1.00	05/13/2004 21:04	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/13/2004 21:04	
Naphthalene	ND	10	ug/Kg	1.00	05/13/2004 21:04	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Styrene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Toluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	

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05/17/2004 13:14

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-5-18.0	Lab ID:	2004-04-0929 - 9
Sampled:	04/29/2004 14:15	Extracted:	5/13/2004 21:04
Matrix:	Soil	QC Batch#:	2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Vinyl acetate	ND	50	ug/Kg	1.00	05/13/2004 21:04	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Total xylenes	ND	5.0	ug/Kg	1.00	05/13/2004 21:04	
Surrogate(s)						
4-Bromofluorobenzene	109.2	74-121	%	1.00	05/13/2004 21:04	
1,2-Dichloroethane-d4	110.4	70-121	%	1.00	05/13/2004 21:04	
Toluene-d8	101.8	81-117	%	1.00	05/13/2004 21:04	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-4-19.0	Lab ID:	2004-04-0929 - 12
Sampled:	04/29/2004 14:50	Extracted:	5/13/2004 21:39
Matrix:	Soil	QC Batch#:	2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Acetone	130	50	ug/Kg	1.00	05/13/2004 21:39	
Benzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Bromobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Bromochloromethane	ND	20	ug/Kg	1.00	05/13/2004 21:39	
Bromoform	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Bromomethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	05/13/2004 21:39	
n-Butylbenzene	27	5.0	ug/Kg	1.00	05/13/2004 21:39	
sec-Butylbenzene	9.5	5.0	ug/Kg	1.00	05/13/2004 21:39	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Carbon disulfide	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Chlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Chloroethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	05/13/2004 21:39	
Chloroform	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Chloromethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	05/13/2004 21:39	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-4-19.0	Lab ID:	2004-04-0929 - 12
Sampled:	04/29/2004 14:50	Extracted:	5/13/2004 21:39
Matrix:	Soil	QC Batch#:	2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
Dibromomethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	05/13/2004 21:39	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Ethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
2-Hexanone	ND	50	ug/Kg	1.00	05/13/2004 21:39	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Methylene chloride	ND	10	ug/Kg	1.00	05/13/2004 21:39	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	05/13/2004 21:39	
Naphthalene	ND	10	ug/Kg	1.00	05/13/2004 21:39	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Styrene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Toluene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-4-19.0	Lab ID: 2004-04-0929 - 12
Sampled: 04/29/2004 14:50	Extracted: 5/13/2004 21:39
Matrix: Soil	QC Batch#: 2004/05/13-01.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Vinyl acetate	ND	50	ug/Kg	1.00	05/13/2004 21:39	
Vinyl chloride	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Total xylenes	ND	5.0	ug/Kg	1.00	05/13/2004 21:39	
Surrogate(s)						
4-Bromofluorobenzene	107.2	74-121	%	1.00	05/13/2004 21:39	
1,2-Dichloroethane-d4	106.8	70-121	%	1.00	05/13/2004 21:39	
Toluene-d8	101.3	81-117	%	1.00	05/13/2004 21:39	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/13-01.06-004

Soil

Test(s): 8260B

QC Batch # 2004/05/13-01.06

Date Extracted: 05/13/2004 11:20

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	05/13/2004 11:20	
Acetone	ND	50	ug/Kg	05/13/2004 11:20	
Benzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Bromodichloromethane	ND	5.0	ug/Kg	05/13/2004 11:20	
Bromobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Bromochloromethane	ND	20	ug/Kg	05/13/2004 11:20	
Bromoform	ND	5.0	ug/Kg	05/13/2004 11:20	
Bromomethane	ND	10	ug/Kg	05/13/2004 11:20	
2-Butanone(MEK)	ND	50	ug/Kg	05/13/2004 11:20	
n-Butylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
sec-Butylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
tert-Butylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Carbon disulfide	ND	5.0	ug/Kg	05/13/2004 11:20	
Carbon tetrachloride	ND	5.0	ug/Kg	05/13/2004 11:20	
Chlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Chloroethane	ND	10	ug/Kg	05/13/2004 11:20	
2-Chloroethylvinyl ether	ND	50	ug/Kg	05/13/2004 11:20	
Chloroform	ND	5.0	ug/Kg	05/13/2004 11:20	
Chloromethane	ND	10	ug/Kg	05/13/2004 11:20	
2-Chlorotoluene	ND	5.0	ug/Kg	05/13/2004 11:20	
4-Chlorotoluene	ND	5.0	ug/Kg	05/13/2004 11:20	
Dibromochloromethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,3-Dichloropropane	ND	5.0	ug/Kg	05/13/2004 11:20	
2,2-Dichloropropane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1-Dichloropropene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	05/13/2004 11:20	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2004/05/13-01.06-004

Soil

Test(s): 8260B
QC Batch # 2004/05/13-01.06
Date Extracted: 05/13/2004 11:20

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	10	ug/Kg	05/13/2004 11:20	
Dibromomethane	ND	10	ug/Kg	05/13/2004 11:20	
Dichlorodifluoromethane	ND	10	ug/Kg	05/13/2004 11:20	
1,1-Dichloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2-Dichloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1-Dichloroethene	ND	5.0	ug/Kg	05/13/2004 11:20	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	05/13/2004 11:20	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2-Dichloropropane	ND	5.0	ug/Kg	05/13/2004 11:20	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	05/13/2004 11:20	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	05/13/2004 11:20	
Ethylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Hexachlorobutadiene	ND	5.0	ug/Kg	05/13/2004 11:20	
2-Hexanone	ND	50	ug/Kg	05/13/2004 11:20	
Isopropylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	05/13/2004 11:20	
Methylene chloride	ND	10	ug/Kg	05/13/2004 11:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	05/13/2004 11:20	
Naphthalene	ND	10	ug/Kg	05/13/2004 11:20	
n-Propylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Styrene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
Tetrachloroethene	ND	5.0	ug/Kg	05/13/2004 11:20	
Toluene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	05/13/2004 11:20	

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Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/13-01.06-004

Soil

Test(s): 8260B

QC Batch # 2004/05/13-01.06

Date Extracted: 05/13/2004 11:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	5.0	ug/Kg	05/13/2004 11:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	05/13/2004 11:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	05/13/2004 11:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	05/13/2004 11:20	
Vinyl acetate	ND	50	ug/Kg	05/13/2004 11:20	
Vinyl chloride	ND	5.0	ug/Kg	05/13/2004 11:20	
Total xylenes	ND	5.0	ug/Kg	05/13/2004 11:20	
Surrogates(s)					
4-Bromofluorobenzene	104.0	74-121	%	05/13/2004 11:20	
1,2-Dichloroethane-d4	100.8	70-121	%	05/13/2004 11:20	
Toluene-d8	100.1	81-117	%	05/13/2004 11:20	

Volatile Organic Compounds by 8260B (Low Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report										
Prep(s): 5035							Test(s): 8260B			
Laboratory Control Spike					Soil		QC Batch # 2004/05/13-01.06			
LCS	2004/05/13-01.06-002		Extracted: 05/13/2004		Analyzed: 05/13/2004 10:09					
LCSD	2004/05/13-01.06-003		Extracted: 05/13/2004		Analyzed: 05/13/2004 10:45					
Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	89.7	91.1	100.0	89.7	91.1	1.5	69-129	20		
Chlorobenzene	96.2	98.5	100.0	96.2	98.5	2.4	61-121	20		
1,1-Dichloroethene	93.0	94.2	100.0	93.0	94.2	1.3	65-125	20		
Toluene	89.4	90.4	100.0	89.4	90.4	1.1	70-130	20		
Trichloroethene	96.1	97.3	100.0	96.1	97.3	1.2	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	508	508	500	101.6	101.6		74-121			
1,2-Dichloroethane-d4	495	506	500	99.0	101.2		70-121			
Toluene-d8	490	491	500	98.0	98.2		81-117			

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CSB-2-18.0	04/29/2004 15:40	Soil	14

Severn Trent Laboratories, Inc.

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05/17/2004 14:10

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-2-18.0	Lab ID: 2004-04-0929 - 14
Sampled: 04/29/2004 15:40	Extracted: 5/13/2004 17:42
Matrix: Soil	QC Batch#: 2004/05/13-02.71
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	10000	ug/Kg	4.00	05/13/2004 17:42	
Acetone	ND	100000	ug/Kg	4.00	05/13/2004 17:42	
Benzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Bromodichloromethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Bromoform	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Bromomethane	ND	2000	ug/Kg	4.00	05/13/2004 17:42	
Carbon tetrachloride	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Chlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Chloroethane	ND	2000	ug/Kg	4.00	05/13/2004 17:42	
2-Butanone(MEK)	ND	100000	ug/Kg	4.00	05/13/2004 17:42	
2-Chloroethylvinyl ether	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Chloroform	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Chloromethane	ND	2000	ug/Kg	4.00	05/13/2004 17:42	
Dibromochloromethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2-Dichlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,3-Dichlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,4-Dichlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,3-Dichloropropane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
2,2-Dichloropropane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1-Dichloropropene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2-Dibromo-3-chloropropane	ND	10000	ug/Kg	4.00	05/13/2004 17:42	
1,2-Dibromoethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Dibromomethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Dichlorodifluoromethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1-Dichloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2-Dichloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1-Dichloroethene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	

Severn Trent Laboratories, Inc.

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05/17/2004 14:10

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5035	Test(s): 8260B
Sample ID: CSB-2-18.0	Lab ID: 2004-04-0929 - 14
Sampled: 04/29/2004 15:40	Extracted: 5/13/2004 17:42
Matrix: Soil	QC Batch#: 2004/05/13-02.71
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
cis-1,2-Dichloroethene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
trans-1,2-Dichloroethene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2-Dichloropropane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
cis-1,3-Dichloropropene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
trans-1,3-Dichloropropene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Ethylbenzene	5600	1000	ug/Kg	4.00	05/13/2004 17:42	
Hexachlorobutadiene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
2-Hexanone	ND	100000	ug/Kg	4.00	05/13/2004 17:42	
Methylene chloride	ND	10000	ug/Kg	4.00	05/13/2004 17:42	
4-Methyl-2-pentanone (MIBK)	ND	100000	ug/Kg	4.00	05/13/2004 17:42	
Naphthalene	3700	1000	ug/Kg	4.00	05/13/2004 17:42	
Styrene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1,2,2-Tetrachloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Tetrachloroethene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Toluene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1,1-Trichloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1,2-Trichloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Trichloroethene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,1,1,2-Tetrachloroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Vinyl acetate	ND	10000	ug/Kg	4.00	05/13/2004 17:42	
Vinyl chloride	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Total xylenes	32000	2000	ug/Kg	4.00	05/13/2004 17:42	
Trichlorotrifluoroethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Carbon disulfide	ND	2000	ug/Kg	4.00	05/13/2004 17:42	
Isopropylbenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Bromobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Bromochloromethane	ND	1000	ug/Kg	4.00	05/13/2004 17:42	

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5035	Test(s):	8260B
Sample ID:	CSB-2-18.0	Lab ID:	2004-04-0929 - 14
Sampled:	04/29/2004 15:40	Extracted:	5/13/2004 17:42
Matrix:	Soil	QC Batch#:	2004/05/13-02.71
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	4000	ug/Kg	4.00	05/13/2004 17:42	
1,2,3-Trichlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2,4-Trichlorobenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
1,2,4-Trimethylbenzene	25000	1000	ug/Kg	4.00	05/13/2004 17:42	
1,3,5-Trimethylbenzene	7900	1000	ug/Kg	4.00	05/13/2004 17:42	
2-Chlorotoluene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
4-Chlorotoluene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
n-Butylbenzene	3500	1000	ug/Kg	4.00	05/13/2004 17:42	
n-Propylbenzene	4000	1000	ug/Kg	4.00	05/13/2004 17:42	
p-Isopropyltoluene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
sec-Butylbenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
tert-Butylbenzene	ND	1000	ug/Kg	4.00	05/13/2004 17:42	
Surrogate(s)						
4-Bromofluorobenzene	NA	74-121	%	4.00	05/13/2004 17:42	sd
1,2-Dichloroethane-d4	NA	70-121	%	4.00	05/13/2004 17:42	sd
Toluene-d8	NA	81-117	%	4.00	05/13/2004 17:42	sd

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/13-02.71-053

Test(s): 8260B

QC Batch # 2004/05/13-02.71

Date Extracted: 05/13/2004 14:53

Soil

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	2500	ug/Kg	05/13/2004 14:53	
Acetone	ND	25000	ug/Kg	05/13/2004 14:53	
Benzene	ND	250	ug/Kg	05/13/2004 14:53	
Bromodichloromethane	ND	250	ug/Kg	05/13/2004 14:53	
Bromoform	ND	250	ug/Kg	05/13/2004 14:53	
Bromomethane	ND	500	ug/Kg	05/13/2004 14:53	
Carbon tetrachloride	ND	250	ug/Kg	05/13/2004 14:53	
Chlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
Chloroethane	ND	500	ug/Kg	05/13/2004 14:53	
2-Butanone(MEK)	ND	25000	ug/Kg	05/13/2004 14:53	
2-Chloroethylvinyl ether	ND	250	ug/Kg	05/13/2004 14:53	
Chloroform	ND	250	ug/Kg	05/13/2004 14:53	
Chloromethane	ND	500	ug/Kg	05/13/2004 14:53	
Dibromochloromethane	ND	250	ug/Kg	05/13/2004 14:53	
1,2-Dichlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
1,3-Dichlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
1,4-Dichlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
1,3-Dichloropropane	ND	250	ug/Kg	05/13/2004 14:53	
2,2-Dichloropropane	ND	250	ug/Kg	05/13/2004 14:53	
1,1-Dichloropropane	ND	250	ug/Kg	05/13/2004 14:53	
1,2-Dibromo-3-chloropropane	ND	2500	ug/Kg	05/13/2004 14:53	
1,2-Dibromoethane	ND	250	ug/Kg	05/13/2004 14:53	
Dibromomethane	ND	250	ug/Kg	05/13/2004 14:53	
Dichlorodifluoromethane	ND	250	ug/Kg	05/13/2004 14:53	
1,1-Dichloroethane	ND	250	ug/Kg	05/13/2004 14:53	
1,2-Dichloroethane	ND	250	ug/Kg	05/13/2004 14:53	
1,1-Dichloroethene	ND	250	ug/Kg	05/13/2004 14:53	
cis-1,2-Dichloroethene	ND	250	ug/Kg	05/13/2004 14:53	
trans-1,2-Dichloroethene	ND	250	ug/Kg	05/13/2004 14:53	

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05/17/2004 14:10

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/13-02.71-053

Soil

Test(s): 8260B

QC Batch # 2004/05/13-02.71

Date Extracted: 05/13/2004 14:53

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dichloropropane	ND	250	ug/Kg	05/13/2004 14:53	
cis-1,3-Dichloropropene	ND	250	ug/Kg	05/13/2004 14:53	
trans-1,3-Dichloropropene	ND	250	ug/Kg	05/13/2004 14:53	
Ethylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
Hexachlorobutadiene	ND	250	ug/Kg	05/13/2004 14:53	
2-Hexanone	ND	25000	ug/Kg	05/13/2004 14:53	
Methylene chloride	ND	2500	ug/Kg	05/13/2004 14:53	
4-Methyl-2-pentanone (MIBK)	ND	25000	ug/Kg	05/13/2004 14:53	
Naphthalene	ND	250	ug/Kg	05/13/2004 14:53	
Styrene	ND	250	ug/Kg	05/13/2004 14:53	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	05/13/2004 14:53	
Tetrachloroethene	ND	250	ug/Kg	05/13/2004 14:53	
Toluene	ND	250	ug/Kg	05/13/2004 14:53	
1,1,1-Trichloroethane	ND	250	ug/Kg	05/13/2004 14:53	
1,1,2-Trichloroethane	ND	250	ug/Kg	05/13/2004 14:53	
Trichloroethene	ND	250	ug/Kg	05/13/2004 14:53	
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	05/13/2004 14:53	
Vinyl acetate	ND	2500	ug/Kg	05/13/2004 14:53	
Vinyl chloride	ND	250	ug/Kg	05/13/2004 14:53	
Total xylenes	ND	500	ug/Kg	05/13/2004 14:53	
Trichlorotrifluoroethane	ND	250	ug/Kg	05/13/2004 14:53	
Carbon disulfide	ND	500	ug/Kg	05/13/2004 14:53	
Isopropylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
Bromobenzene	ND	250	ug/Kg	05/13/2004 14:53	
Bromochloromethane	ND	250	ug/Kg	05/13/2004 14:53	
Trichlorofluoromethane	ND	1000	ug/Kg	05/13/2004 14:53	
1,2,3-Trichlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
1,2,4-Trichlorobenzene	ND	250	ug/Kg	05/13/2004 14:53	
1,2,4-Trimethylbenzene	ND	250	ug/Kg	05/13/2004 14:53	

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05/17/2004 14:10

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2004/05/13-02.71-053

Test(s): 8260B

Soil

QC Batch # 2004/05/13-02.71

Date Extracted: 05/13/2004 14:53

Compound	Conc.	RL	Unit	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
2-Chlorotoluene	ND	250	ug/Kg	05/13/2004 14:53	
4-Chlorotoluene	ND	250	ug/Kg	05/13/2004 14:53	
n-Butylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
n-Propylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
p-Isopropyltoluene	ND	250	ug/Kg	05/13/2004 14:53	
sec-Butylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
tert-Butylbenzene	ND	250	ug/Kg	05/13/2004 14:53	
Surrogates(s)					
4-Bromofluorobenzene	95.9	74-121	%	05/13/2004 14:53	
1,2-Dichloroethane-d4	81.1	70-121	%	05/13/2004 14:53	
Toluene-d8	89.0	81-117	%	05/13/2004 14:53	

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/05/13-02.71

LCS 2004/05/13-02.71-027

Extracted: 05/13/2004

Analyzed: 05/13/2004 15:27

LCSD 2004/05/13-02.71-001

Extracted: 05/13/2004

Analyzed: 05/13/2004 16:01

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9920	10500	10000	99.2	105.0	5.7	69-129	20		
Chlorobenzene	11500	11300	10000	115.0	113.0	1.8	61-121	20		
1,1-Dichloroethene	10100	10300	10000	101.0	103.0	2.0	65-125	20		
Toluene	9970	10200	10000	99.7	102.0	2.3	70-130	20		
Trichloroethene	9810	10200	10000	98.1	102.0	3.9	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	283	272	250	113.2	108.8		74-121			
1,2-Dichloroethane-d4	254	250	250	101.6	100.0		70-121			
Toluene-d8	263	258	250	105.2	103.2		81-117			

Volatile Organic Compounds by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

sd

Surrogate recovery not reportable due to required dilution.

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab. #
CSB-9-6.0	04/29/2004 09:30	Soil	1
CSB-9-11.5	04/29/2004 09:35	Soil	2
CSB-9-21.5	04/29/2004 09:55	Soil	4
CSB-9-26.5	04/29/2004 10:05	Soil	5
SB-8-2	04/29/2004 11:30	Soil	6
CSB-6-16.0	04/29/2004 13:00	Soil	7
CSB-5-15.5	04/29/2004 14:10	Soil	8
CSB-5-18.0	04/29/2004 14:15	Soil	9
DRUM 1	04/29/2004 13:20	Soil	10
CSB-4-16.5	04/29/2004 14:45	Soil	11
CSB-4-19.0	04/29/2004 14:50	Soil	12
CSB-2-14.0	04/29/2004 15:35	Soil	13

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: CSB-9-6.0	Lab ID: 2004-04-0929 - 1
Sampled: 04/29/2004 09:30	Extracted: 5/10/2004 23:09
Matrix: Soil	QC Batch#: 2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/10/2004 23:09	
Benzene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
Toluene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/10/2004 23:09	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/10/2004 23:09	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:09	
Surrogate(s)						
1,2-Dichloroethane-d4	99.7	70-121	%	1.00	05/10/2004 23:09	
Toluene-d8	95.7	81-117	%	1.00	05/10/2004 23:09	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-9-11.5	Lab ID:	2004-04-0929 - 2
Sampled:	04/29/2004 09:35	Extracted:	5/10/2004 23:27
Matrix:	Soil	QC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/10/2004 23:27	
Benzene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
Toluene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
tert-Butyl alcohol (TBA)	0.012	0.010	mg/Kg	1.00	05/10/2004 23:27	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/10/2004 23:27	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/10/2004 23:27	
Surrogate(s)						
1,2-Dichloroethane-d4	100.6	70-121	%	1.00	05/10/2004 23:27	
Toluene-d8	98.7	81-117	%	1.00	05/10/2004 23:27	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-9-21.5	Lab ID:	2004-04-0929 - 4
Sampled:	04/29/2004 09:55	Extracted:	5/12/2004 13:35
Matrix:	Soil	QC Batch#:	2004/05/12-1C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/12/2004 13:35	
Benzene	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
Toluene	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/12/2004 13:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/12/2004 13:35	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/12/2004 13:35	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	70-121	%	1.00	05/12/2004 13:35	
Toluene-d8	96.4	81-117	%	1.00	05/12/2004 13:35	

Severn Trent Laboratories, Inc.

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05/24/2004 09:10

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-9-26.5	Lab ID:	2004-04-0929 - 5
Sampled:	04/29/2004 10:05	Extracted:	5/11/2004 00:21
Matrix:	Soil	QC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2.2	1.0	mg/Kg	1.00	05/11/2004 00:21	g
Benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
Toluene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/11/2004 00:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 00:21	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:21	
Surrogate(s)						
1,2-Dichloroethane-d4	103.9	70-121	%	1.00	05/11/2004 00:21	
Toluene-d8	94.0	81-117	%	1.00	05/11/2004 00:21	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-8-2	Lab ID:	2004-04-0929 - 6
Sampled:	04/29/2004 11:30	Extracted:	5/11/2004 00:39
Matrix:	Soil	QC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/11/2004 00:39	
Benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
Toluene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
tert-Butyl alcohol (TBA)	0.014	0.010	mg/Kg	1.00	05/11/2004 00:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 00:39	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:39	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	70-121	%	1.00	05/11/2004 00:39	
Toluene-d8	96.4	81-117	%	1.00	05/11/2004 00:39	

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05/24/2004 09:10

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-6-16.0	Lab ID:	2004-04-0929 - 7
Sampled:	04/29/2004 13:00	Extracted:	5/11/2004 00:57
Matrix:	Soil	QC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	9.4	1.0	mg/Kg	1.00	05/11/2004 00:57	
Benzene	0.0070	0.0050	mg/Kg	1.00	05/11/2004 00:57	
Toluene	0.0056	0.0050	mg/Kg	1.00	05/11/2004 00:57	
Ethyl benzene	0.25	0.0050	mg/Kg	1.00	05/11/2004 00:57	
Total xylenes	0.0099	0.0050	mg/Kg	1.00	05/11/2004 00:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/11/2004 00:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:57	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 00:57	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 00:57	
Surrogate(s)						
1,2-Dichloroethane-d4	111.0	70-121	%	1.00	05/11/2004 00:57	
Toluene-d8	93.3	81-117	%	1.00	05/11/2004 00:57	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-5-15.5	Lab ID:	2004-04-0929 - 8
Sampled:	04/29/2004 14:10	Extracted:	5/13/2004 14:52
Matrix:	Soil	QC Batch#:	2004/05/13-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/13/2004 14:52	
Benzene	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
Toluene	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/13/2004 14:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
DI-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/13/2004 14:52	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/13/2004 14:52	
Surrogate(s)						
1,2-Dichloroethane-d4	92.5	70-121	%	1.00	05/13/2004 14:52	
Toluene-d8	96.4	81-117	%	1.00	05/13/2004 14:52	

Gas/BTEX Fuel Oxygenates by 8260B

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1333 Broadway, Suite 800

Oakland, CA 94612

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-5-18.0	Lab ID:	2004-04-0929 - 9
Sampled:	04/29/2004 14:15	Extracted:	5/11/2004 01:15
Matrix:	Soil	GC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1.0	1.0	mg/Kg	1.00	05/11/2004 01:15	
Benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
Toluene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/11/2004 01:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 01:15	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:15	
Surrogate(s)						
1,2-Dichloroethane-d4	111.3	70-121	%	1.00	05/11/2004 01:15	
Toluene-d8	95.1	81-117	%	1.00	05/11/2004 01:15	

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Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: DRUM 1	Lab ID: 2004-04-0929 - 10
Sampled: 04/29/2004 13:20	Extracted: 5/11/2004 01:33
Matrix: Soil	QC Batch#: 2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2.6	1.0	mg/Kg	1.00	05/11/2004 01:33	g
Benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
Toluene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
Total xylenes	0.0059	0.0050	mg/Kg	1.00	05/11/2004 01:33	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/11/2004 01:33	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 01:33	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:33	
Surrogate(s)						
1,2-Dichloroethane-d4	113.6	70-121	%	1.00	05/11/2004 01:33	
Toluene-d8	99.6	81-117	%	1.00	05/11/2004 01:33	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Oakland, CA 94612

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-4-16.5	Lab ID:	2004-04-0929 - 11
Sampled:	04/29/2004 14:45	Extracted:	5/11/2004 01:51
Matrix:	Soil	QC Batch#:	2004/05/10-2C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/11/2004 01:51	
Benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
Toluene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/11/2004 01:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/11/2004 01:51	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/11/2004 01:51	
Surrogate(s)						
1,2-Dichloroethane-d4	121.8	70-121	%	1.00	05/11/2004 01:51	sh
Toluene-d8	96.2	81-117	%	1.00	05/11/2004 01:51	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-4-19:0	Lab ID:	2004-04-0929 - 12
Sampled:	04/29/2004 14:50	Extracted:	5/13/2004 11:52
Matrix:	Soil	QC Batch#:	2004/05/13-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8.8	1.0	mg/Kg	1.00	05/13/2004 11:52	g
Benzene	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
Toluene	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/13/2004 11:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/13/2004 11:52	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/13/2004 11:52	
Surrogate(s)						
1,2-Dichloroethane-d4	96.8	70-121	%	1.00	05/13/2004 11:52	
Toluene-d8	91.0	81-117	%	1.00	05/13/2004 11:52	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-2-14.0	Lab ID:	2004-04-0929 - 13
Sampled:	04/29/2004 15:35	Extracted:	5/12/2004 14:11
Matrix:	Soil	QC Batch#:	2004/05/12-1C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/12/2004 14:11	
Benzene	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
Toluene	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	05/12/2004 14:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/12/2004 14:11	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/12/2004 14:11	
Surrogate(s)						
1,2-Dichloroethane-d4	100.2	70-121	%	1.00	05/12/2004 14:11	
Toluene-d8	96.7	81-117	%	1.00	05/12/2004 14:11	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method: Blank	Soil		QC Batch # 2004/05/10-2C.69
MB: 2004/05/10-2C.69-005			Date Extracted: 05/10/2004 18:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/10/2004 18:05	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	05/10/2004 18:05	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/10/2004 18:05	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	05/10/2004 18:05	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	05/10/2004 18:05	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	05/10/2004 18:05	
Benzene	ND	0.0050	mg/Kg	05/10/2004 18:05	
Toluene	ND	0.0050	mg/Kg	05/10/2004 18:05	
Ethyl benzene	ND	0.0050	mg/Kg	05/10/2004 18:05	
Total xylenes	ND	0.0050	mg/Kg	05/10/2004 18:05	
Surrogates(s)					
1,2-Dichloroethane-d4	96.6	70-121	%	05/10/2004 18:05	
Toluene-d8	100.3	81-117	%	05/10/2004 18:05	

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2004/05/12-1C.69
MB: 2004/05/12-1C.69-011			Date Extracted: 05/12/2004 07:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/12/2004 07:11	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	05/12/2004 07:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/12/2004 07:11	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	05/12/2004 07:11	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	05/12/2004 07:11	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	05/12/2004 07:11	
Benzene	ND	0.0050	mg/Kg	05/12/2004 07:11	
Toluene	ND	0.0050	mg/Kg	05/12/2004 07:11	
Ethyl benzene	ND	0.0050	mg/Kg	05/12/2004 07:11	
Total xylenes	ND	0.0050	mg/Kg	05/12/2004 07:11	
Surrogates(s)					
1,2-Dichloroethane-d4	88.8	70-121	%	05/12/2004 07:11	
Toluene-d8	99.1	81-117	%	05/12/2004 07:11	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Method: Blank			Soil		
MB: 2004/05/13-1B 69-068			QC Batch # 2004/05/13-1B.69		
			Date Extracted: 05/13/2004 07:33		
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/13/2004 07:33	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	05/13/2004 07:33	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/13/2004 07:33	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	05/13/2004 07:33	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	05/13/2004 07:33	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	05/13/2004 07:33	
Benzene	ND	0.0050	mg/Kg	05/13/2004 07:33	
Toluene	ND	0.0050	mg/Kg	05/13/2004 07:33	
Ethyl benzene	ND	0.0050	mg/Kg	05/13/2004 07:33	
Total xylenes	ND	0.0050	mg/Kg	05/13/2004 07:33	
Surrogates(s)					
1,2-Dichloroethane-d4	86.2	70-121	%	05/13/2004 07:33	
Toluene-d8	90.4	81-117	%	05/13/2004 07:33	

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05/24/2004 09:10

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Soil	
QC Batch # 2004/05/10-2C.69		QC Batch # 2004/05/10-2C.69	
LCS	2004/05/10-2C.69-029	Extracted: 05/10/2004	Analyzed: 05/10/2004 17:29
LCSD	2004/05/10-2C.69-047	Extracted: 05/10/2004	Analyzed: 05/10/2004 17:47

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0347	0.0392	0.05	69.4	78.4	12.2	65-165	20		
Benzene	0.0413	0.0415	0.05	82.6	83.0	0.5	69-129	20		
Toluene	0.0458	0.0478	0.05	91.6	95.6	4.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	395	405	500	79.0	81.0		70-121			
Toluene-d8	492	482	500	98.4	96.4		81-117			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Soil	QC Batch # 2004/05/12-1C.69
LCS	2004/05/12-1C.69-035	Extracted: 05/12/2004	Analyzed: 05/12/2004 06:35
LCSD	2004/05/12-1C.69-053	Extracted: 05/12/2004	Analyzed: 05/12/2004 06:53

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0453	0.0461	0.05	90.6	92.2	1.8	65-165	20		
Benzene	0.0465	0.0480	0.05	93.0	96.0	3.2	69-129	20		
Toluene	0.0506	0.0509	0.05	101.2	101.8	0.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	399	423	500	79.8	84.6		70-121			
Toluene-d8	479	496	500	95.8	99.2		81-117			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report										
Prep(s): 5030B							Test(s): 8260B			
Laboratory Control Spike				Soil			QC Batch # 2004/05/13-1B.69			
LCS	2004/05/13-1B.69-057			Extracted: 05/13/2004			Analyzed: 05/13/2004 06:57			
LCSD	2004/05/13-1B.69-015			Extracted: 05/13/2004			Analyzed: 05/13/2004 07:15			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0443	0.0423	0.05	88.6	84.6	4.6	65-165	20		
Benzene	0.0401	0.0410	0.05	80.2	82.0	2.2	69-129	20		
Toluene	0.0434	0.0451	0.05	86.8	90.2	3.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	420	410	500	84.0	82.0		70-121			
Toluene-d8	438	469	500	87.6	93.8		81-117			

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Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA
Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil		QC Batch # 2004/05/10-2C.69
SB-8-2 >> MS			Lab ID: 2004-04-0929 - 006
MS: 2004/05/10-2C.69-009	Extracted: 05/11/2004		Analyzed: 05/11/2004 02:09
			Dilution: 1.00
MSD: 2004/05/10-2C.69-027	Extracted: 05/11/2004		Analyzed: 05/11/2004 02:27
			Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0494	0.0429	ND	0.044964	109.8	99.5	9.8	65-165	20		
Benzene	0.0377	0.0341	ND	0.044964	83.8	79.1	5.8	69-129	20		
Toluene	0.0426	0.0401	ND	0.044964	94.7	93.0	1.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	466	451		500	93.2	90.2		70-121			
Toluene-d8	473	490		500	94.5	98.0		81-117			

Gas/BTEX Fuel Oxygenates by 8260B

URS-Oakland, CA

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sh

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CSB-9-16.5	04/29/2004 09:50	Soil	3
CSB-2-18.0	04/29/2004 15:40	Soil	14
CSB-3-17.5	04/29/2004 15:45	Soil	15
CSB-1-17.5	04/29/2004 16:00	Soil	16

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800
Oakland, CA 94612
Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907
BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-9-16.5	Lab ID:	2004-04-0929 - 3
Sampled:	04/29/2004 09:50	Extracted:	5/12/2004 19:35
Matrix:	Soil	QC Batch#:	2004/05/12-3B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	170	50	mg/Kg	1.00	05/12/2004 19:35	
Benzene	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
Toluene	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
Ethyl benzene	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
Total xylenes	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/12/2004 19:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/12/2004 19:35	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/12/2004 19:35	
Surrogate(s)						
1,2-Dichloroethane-d4	87.4	70-121	%	1.00	05/12/2004 19:35	
Toluene-d8	97.7	81-117	%	1.00	05/12/2004 19:35	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-2-18:0	Lab ID:	2004-04-0929 - 14
Sampled:	04/29/2004 15:40	Extracted:	5/13/2004 15:10
Matrix:	Soil	QC Batch#:	2004/05/13-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	730	50	mg/Kg	1.00	05/13/2004 15:10	
Benzene	ND	0.50	mg/Kg	1.00	05/13/2004 15:10	
Toluene	0.74	0.50	mg/Kg	1.00	05/13/2004 15:10	
Ethyl benzene	13	0.50	mg/Kg	1.00	05/13/2004 15:10	
Total xylenes	100	0.50	mg/Kg	1.00	05/13/2004 15:10	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/13/2004 15:10	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/13/2004 15:10	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/13/2004 15:10	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/13/2004 15:10	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/13/2004 15:10	
Surrogate(s)						
1,2-Dichloroethane-d4	96.9	70-121	%	1.00	05/13/2004 15:10	
Toluene-d8	104.1	81-117	%	1.00	05/13/2004 15:10	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	CSB-3-17.5	Lab ID:	2004-04-0929 - 15
Sampled:	04/29/2004 15:45	Extracted:	5/12/2004 21:06
Matrix:	Soil	QC Batch#:	2004/05/12-3B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	750	50	mg/Kg	1.00	05/12/2004 21:06	g
Benzene	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
Toluene	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
Ethyl benzene	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
Total xylenes	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/12/2004 21:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/12/2004 21:06	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/12/2004 21:06	
Surrogate(s)						
1,2-Dichloroethane-d4	97.1	70-121	%	1.00	05/12/2004 21:06	
Toluene-d8	96.7	81-117	%	1.00	05/12/2004 21:06	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

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1333 Broadway, Suite 800

Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: CSB-1-17.5	Lab ID: 2004-04-0929 - 16
Sampled: 04/29/2004 16:00	Extracted: 5/12/2004 21:24
Matrix: Soil	QC Batch#: 2004/05/12-3B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	590	50	mg/Kg	1.00	05/12/2004 21:24	g
Benzene	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
Toluene	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
Ethyl benzene	2.9	0.50	mg/Kg	1.00	05/12/2004 21:24	
Total xylenes	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/12/2004 21:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/12/2004 21:24	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/12/2004 21:24	
Surrogate(s)						
1,2-Dichloroethane-d4	81.4	70-121	%	1.00	05/12/2004 21:24	
Toluene-d8	86.6	81-117	%	1.00	05/12/2004 21:24	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/05/12-3B.69-015

Soil

Test(s): 8260B

QC Batch # 2004/05/12-3B.69

Date Extracted: 05/12/2004 10:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	05/12/2004 10:15	
Benzene	ND	0.50	mg/Kg	05/12/2004 10:15	
Toluene	ND	0.50	mg/Kg	05/12/2004 10:15	
Ethyl benzene	ND	0.50	mg/Kg	05/12/2004 10:15	
Total xylenes	ND	0.50	mg/Kg	05/12/2004 10:15	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	05/12/2004 10:15	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	05/12/2004 10:15	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	05/12/2004 10:15	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	05/12/2004 10:15	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	05/12/2004 10:15	
Surrogates(s)					
1,2-Dichloroethane-d4	74.0	70-121	%	05/12/2004 10:15	
Toluene-d8	84.0	81-117	%	05/12/2004 10:15	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/05/13-3A.69-004

Test(s): 8260B

QC Batch # 2004/05/13-3A.69

Date Extracted: 05/13/2004 20:04

Soil

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	05/13/2004 20:04	
Benzene	ND	0.50	mg/Kg	05/13/2004 20:04	
Toluene	ND	0.50	mg/Kg	05/13/2004 20:04	
Ethyl benzene	ND	0.50	mg/Kg	05/13/2004 20:04	
Total xylenes	ND	0.50	mg/Kg	05/13/2004 20:04	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	05/13/2004 20:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	05/13/2004 20:04	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	05/13/2004 20:04	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	05/13/2004 20:04	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	05/13/2004 20:04	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	70-121	%	05/13/2004 20:04	
Toluene-d8	97.4	81-117	%	05/13/2004 20:04	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

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Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil		QC Batch # 2004/05/12-3B.69				
LCS	2004/05/12-3B.69-039		Extracted: 05/12/2004		Analyzed: 05/12/2004 09:39				
LCSD	2004/05/12-3B.69-057		Extracted: 05/12/2004		Analyzed: 05/12/2004 09:57				

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	8.07	8.50	10	80.7	85.0	5.2	69-129	20		
Toluene	8.68	9.12	10	86.8	91.2	4.9	70-130	20		
Methyl tert-butyl ether (MTBE)	7.95	7.81	10	79.5	78.1	1.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	182	186	250	72.8	74.4		70-121			
Toluene-d8	219	224	250	87.6	89.6		81-117			

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

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Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/05/13-3A.69

LCS 2004/05/13-3A.69-028

Extracted: 05/13/2004

Analyzed: 05/13/2004 19:28

LCSD 2004/05/13-3A.69-045

Extracted: 05/13/2004

Analyzed: 05/13/2004 19:45

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.37	9.38	10	93.7	93.8	0.1	69-129	20		
Toluene	10.0	10.3	10	100.0	103.0	3.0	70-130	20		
Methyl tert-butyl ether (MTBE)	9.99	9.85	10	99.9	98.5	1.4	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	312	233	250	104.0	93.2		70-121			
Toluene-d8	336	272	250	112.0	108.8		81-117			

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05/24/2004 09:10

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

URS-Oakland, CA

Attn.: Scott Robinson

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Oakland, CA 94612

Phone: (510) 893-3600 Fax: (510) 874-3268

Project: Consultant Project No: 38486907

BP Facility No: 6148

Received: 04/29/2004 18:50

Site: 5131 Shattuck Ave., Oakland, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

STL

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-04-0929

Checklist completed by: (Initials) JM Date: 04/30/04

Courier name: [X] STL San Francisco [] Client

Custody seals intact on shipping container/samples? Yes ___ No ___ Not Present [X]

Chain of custody present? Yes [X] No ___

Chain of custody signed when relinquished and received? Yes [X] No ___

Chain of custody agrees with sample labels? Yes [X] No ___

Samples in proper container/bottle? Yes [X] No ___

Sample containers intact? Yes [X] No ___

Sufficient sample volume for indicated test? Yes [X] No ___

All samples received within holding time? Yes [X] No ___

Container/Temp. Blank temperature in compliance (4°C ± 2)? Temp 1.0°C Yes [X] No ___

Ice Present Yes [X] No ___

Water - VOA vials have zero headspace? No VOA vials submitted [X] Yes ___ No ___

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt? [] Yes [] No Soil

[] pH adjusted - Preservative used: [] HNO3 [] HCl [] H2SO4 [] NaOH [] ZnOAc - Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (Initials) _____ Date: ____/____/04

Client contacted: [] Yes [] No

Summary of discussion:

Corrective Action (per PM/Client):



2004-04-092A

Chain of Custody Record

85350

Project Name: ARCO #6148 Investigation for Site Closure
 Business Unit: Atlantic Richfield Company/Central CA Portfolio
 BP Laboratory Contract Number: 4 6 1 0 0 0
 Requested Due Date: 2 weeks from sampling date

Date: 4/29/04

On-site Time: 0710 Temp: 65°F
 Off-site Time: 0130 Temp: 80°F
 Sky Conditions: CLEAR, SUNNY
 Meteorological Events:
 Wind Speed: 0-15 kts Direction: VARIABLE

Send To:	BP/GEM Facility No.: ARCO #6148	Consultant: URS Oakland
Lab Name: STJ	BP/GEM Facility Address: 5131 Shattuck Ave., Oakland, CA	Address: 1333 Broadway, Suite 800
Lab Address:	Site ID No. Station: 6148	Oakland, CA 94612
1220 Quarry Lane	Site Lat/Long:	e-mail EDF: N/A
Pleasanton, CA 94566-4756	California Global ID #:	Consultant Project No.: 3348607
Lab PM: Aftab Salmipour	BP/GEM PM Contact: Paul Supple	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 925-484-1919/925-484-1096	Address:	Consultant PM: Scott Robinson
Report Type & QC Level: Normal	Tele/Fax: 925-299-8891	Invoice to: Consultant
BP/GEM Account No.:		BP/GEM Work Release No.: WR01489

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis					Sample Point Lat/Long and Comments
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	As	Cr	Mn	Pb	Cd	
1	CSB-9-6.0	0930																
2	CSB-9-11.5	0935																
3	CSB-9-16.5	0950																
4	CSB-9-21.5	0955																4.0°C
5	CSB-9-26.5	1005																
6	SB-8-2	1130																
7	CSB-6-16.0	1300																
8	CSB-5-15.5																	
9	CSB-5-15.5	1410																
10	CSB-5-18.0	1415																HOLD ON

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
KEVIN UND	[Signature] / URS	4/29		[Signature] / URS	4/29	17:30
	[Signature] / STJ	4/29	18:50			
				Mounak - STJ SF	4/29/04	18:50

Special Instructions: No EDF required.

Custody Seals in Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No



2004-04-0929

Chain of Custody Record

85350 Page 2 of 2

Project Name ARCO #6148: Investigation for Site Closure
 Business Unit Atlantic Richfield Company/Central CA Portfolio
 BP Laboratory Contract Number: 4 6 1 0 0 0
 Requested Due Date: 2 weeks from sampling date

Date: 4/29/04

On-site Time: <u>0710</u>	Temp: <u>65°F</u>
Off-site Time: <u>01630</u>	Temp: <u>80°F</u>
Sky Conditions: <u>CLD</u>	
Meteorological Events: <u>-</u>	
Wind Speed: <u>0-10 MPH</u>	Direction: <u>VARIABLE</u>

Send To:	BP/GEM Facility No.: <u>ARCO #6148</u>	Consultant: <u>URS Oakland</u>
Lab Name: <u>STL</u>	BP/GEM Facility Address: <u>5131 Shattuck Ave., Oakland, CA</u>	Address: <u>1533 Broadway, Suite 800</u>
Lab Address:	Site ID No./Station: <u>6148</u>	<u>Oakland, CA 94612</u>
<u>1220 Quarry Lane</u>	Site Lat/Long:	e-mail EDF: <u>N/A</u>
<u>Pleasanton, CA 94566-4756</u>	California Global ID #:	Consultant Project No.: <u>38486907</u>
Lab PM: <u>Afsaneh Salimpour</u>	BP/GEM PM Contact: <u>Paul Supple</u>	Consultant Tele/Fax: <u>510-893-3600/510-874-3268</u>
Tele/Fax: <u>925-484-1919/925-484-1096</u>	Address:	Consultant PM: <u>Scott Robinson</u>
Report Type & QC Level: <u>Normal</u>	Tele/Fax: <u>925-299-8891</u>	Invoice to: <u>Consultant</u>
BP/GEM Account No.:		BP/GEM Work Release No.: <u>WR61489</u>

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analytes				Sample Point Lat/Long and Comments
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl					
1	DRUM 1	1320	X				1										
2	CSB-4-16.5	1445	X														
3	CSB-4-19.0	1450	X														
4	CSB-2-14.0	1535	X														HOLD-ON
5	CSB-2-18.0	1540	X														
6	CSB-3-17.5	1545	X														HOLD-ON
7	CSB-1-17.5	1600	X														
8																	
9																	
10																	

Sampler's Name: <u>KEVIN LIND</u>	Relinquished By / Affiliation: <u>[Signature] / URS</u>	Date: <u>4/29</u>	Time: <u>18:30</u>	Accepted By / Affiliation: <u>[Signature] / URS</u>	Date: <u>4/29/04</u>	Time: <u>17:30</u>
Shipment Date: <u>4/29</u>						
Shipment Method: <u>Hand Deliver</u>						
Shipment Tracking No.:						
Special Instructions: <u>No EDF required</u>						

Custody Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt Y/N Trip Blank Yes No