



December 17, 2004

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Shell-branded Service Station
1784 150th Avenue
San Leandro, California

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *Soil and Water Investigation Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

A handwritten signature in cursive script that reads "Karen Petryna".

Karen Petryna
Sr. Environmental Engineer

Roseanna E. Garcia-La Grille
Hazardous Materials Technician
Alameda County Dept. of Environmental Health
1131 Harbor Bay Pkwy., Room 250
Alameda, CA 94502-6577

Re: **Soil and Water Investigation Report**
Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #: 98996068
Project #: 246-0612-008



Dear Ms. Garcia-La Grille:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Soil and Water Investigation Report* on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The current investigation and monitoring well installation was conducted in accordance with our August 28, 2003 *Soil and Water Investigation Report and Work Plan*, which Ms. eva chu of the Alameda County Health Care Services Agency (ACHCSA) approved in a letter dated September 17, 2003. The investigation's objectives were to install additional wells both on and off-site with specifically defined well screen intervals based on the previous investigation results, and to define the upgradient extent of the methyl tertiary butyl ether (MTBE) and hydrocarbon plumes off site to the east with two additional soil borings. The two additional borings were delayed due to difficulty obtaining an off-site access agreement. This report presents the results of the two additional soil borings proposed. The investigation results and conclusions addressing the on-site and off-site well installations and hydrocarbon plume definition were previously submitted to the ACHCSA in Cambria's January 12, 2004 *Soil and Water Investigation and Monitoring Well Installation Report*. Presented below are summaries of the site background, investigation procedures, investigation results, conclusions, and recommendations.

SITE BACKGROUND

**Cambria
Environmental
Technology, Inc.**

Site Location: The site is an operating Shell service station located at the southern corner of 150th Street and Freedom Avenue in San Leandro, California (Figure 1).

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Local Topography: The base of the San Leandro hills is approximately 0.25 miles to the northeast. The site is about 50 feet above mean sea level, and the local topography slopes westward toward the San Francisco Bay, approximately 6 miles to the west.

Surroundings: The site is surrounded by mixed commercial and residential development.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range. The site is intersected by the Hayward Fault Zone. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During the recent investigation at the site, soil consisted of silty clay, clayey silts and clayey sandy silt interlayered with sands and gravels to the total explored depth of 36 feet below grade (fbg).

Groundwater: Local drinking water is supplied by a utility, not groundwater. An area well survey in 1992 identified 21 wells within ½ mile of the site (Figure 1). The well survey was updated in October 2003 as described below. Groundwater depths have ranged between 17 and 30 fbg on site and between approximately 4 and 14 fbg in off-site well MW-4. Water level measurements have not shown a consistent or reliable groundwater flow direction, although the predominant groundwater flow direction since 1999 has been to the north-northwest. In June 2003, depth to groundwater measurements ranged from approximately 13 to 24 fbg, and the groundwater flow direction was to the northwest.

Previous Investigations

1986 Waste Oil Tank Removal: According to an October 13, 1989 letter from Weiss Associates (Weiss) to Shell, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste oil tank from the site in November 1986. Immediately following the tank removal, Blaine Tech Services (Blaine) of San Jose, California collected soil samples beneath the former tank at 8-foot and 11-foot depths. The soil samples contained petroleum oil and grease at 196 and 167 parts per million (ppm), respectively. The tank pit was overexcavated to a total depth of 16 feet, but soil samples were not collected. Groundwater was not encountered in the tank excavation. A new 550-gallon fiberglass waste oil tank was installed in the same location.

1990 Well Installation: In March 1990, Weiss installed soil boring BH-A, which was converted to groundwater monitoring well MW-1 adjacent to the waste oil tank. In a soil sample collected from 29 fbg, 35 ppm total petroleum hydrocarbons as gasoline (TPHg) and 0.23 ppm benzene were detected.

1992 Well Installations: In February 1992, Weiss installed soil borings BH-B and BH-C, which were converted to monitoring wells MW-2 and MW-3. A soil sample collected near the water

table from the boring for well MW-2 contained 79 ppm TPHg. Although well MW-3 is located over 100 feet upgradient of the tanks, up to 68 ppm TPHg was detected in soil from this boring.

1994 Subsurface Investigation: In June 1994, Weiss drilled six soil borings (B-1 through B-6) around the site. No hydrocarbons were detected in soil samples from any borings, except for 0.013 ppm benzene in boring BH-3 at 16 fbg. Also, no hydrocarbons were detected in grab groundwater samples from borings BH-1, BH-4, BH-5 and BH-6. Groundwater from borings BH-2 and BH-3 contained over 5,000 parts per billion (ppb) TPHg.

1995 Well Installation: In February and March 1995, Weiss drilled four soil borings (BH-7 through BH-10) and converted BH-10 to monitoring well MW-4. No petroleum hydrocarbons were detected in any of the soil samples. Up to 100 ppb TPHg and 1.0 ppb benzene were detected in grab groundwater samples from BH-7 and BH-9. No TPHg or benzene was detected in the grab groundwater sample from MW-4. Groundwater was not encountered in soil boring BH-8.

1996 Soil Vapor Survey and Soil Sampling: In July 1996, Weiss conducted a subsurface investigation to obtain site-specific data for a risk-based corrective action (RBCA) evaluation of the site. Soil vapor and soil samples were collected from the vadose zone at 10 on- and off-site locations (SVS-1 through SVS-10). The highest soil vapor hydrocarbon concentrations were detected near the northwest corner of the underground storage tank complex (SVS-5 at 3.0 fbg, which contained 7,600 parts per billion by volume [ppmv] benzene). No TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), or MTBE was detected in any of the soil samples except for 1.1 ppm TPHg detected in sample SVS-5 at 18 to 20 fbg. Weiss concluded that depleted oxygen concentrations and elevated carbon dioxide and methane concentrations in the vadose zone indicated that biodegradation was occurring.

1997 RBCA Evaluation: In 1997, Weiss prepared a RBCA evaluation for the site. Results of the RBCA analysis indicated that concentrations of BTEX, MTBE, 1,2-dichloroethane, and tetrachloroethane detected in soil and groundwater beneath the site did not exceed a target risk level of 10^{-5} for residential indoor or outdoor air exposure pathways. However, a risk threshold exceedance was identified associated with ingestion of groundwater from a hypothetical well 25 feet downgradient of the source.

1997 Dispenser and Turbine Sump Upgrade: The dispensers and turbine sumps at the station were upgraded in December 1997. Cambria collected soil samples Disp-A through Disp-D from beneath the dispenser islands during upgrade activities. Up to 590 ppm TPHg (Disp-C at 4.5 fbg), 1.8 ppm benzene (Disp-C at 2.0 fbg) and 1.4 ppm MTBE (Disp-C at 2.0 fbg) were detected.

August 2003 Soil and Groundwater Investigation: Seven soil borings (SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, and SB-16) were all installed off site to the northwest of the site in both 150th Avenue and Portofino Circle, with the exception of SB-15 which was on site (Figure 2). During the investigation, MTBE was detected only in on-site grab groundwater sample SB-15-W at 40 ppb. The highest TPHg concentration was detected in SB-14-W at 67,000 ppb, and the highest benzene concentration was detected in SB-15-W at 530 ppb. TPHg was detected only in soil samples SB-11-30' and SB-15-36' at concentrations of 650 ppm and 1.4 ppm, respectively. Benzene was detected only in soil sample SB-11-35' at 0.10 ppm. Based on typical groundwater depths in nearby well MW-7, it was determined that samples SB-11-30' and SB-15-36' were saturated, and results may be more indicative of chemical concentrations in groundwater.



October 2003 Sensitive Receptor Survey (SRS): In October 2003, Cambria completed an SRS at Shell's request. The SRS targeted the following as potential sensitive receptors: basements within 200 feet, surface water and sensitive habitats within 500 feet, hospitals, residential care and childcare facilities within 1,000 feet, and water wells within ½ mile. No basements were observed within 200 feet, nor were any surface water or sensitive habitats observed within 500 feet. No educational or childcare facilities were identified within the search radius. The Fairmont Hospital campus, located at 15400 Foothill Boulevard, is located approximately 1,100 feet from the site, just outside the target radius.

To update the 1992 well survey performed by Weiss, Cambria researched Department of Water Resources records in September 2003, and located no additional well records for locations within ½ mile of the site. The closest identified water well potentially used for drinking water is a well installed in 1952, listed as a "domestic well," located at Fairmont Hospital, approximately 2,445 feet east-southeast of the site, as shown on Figure 1. The well is reportedly 138 feet deep, and has screened intervals between 62 and 95 fbg. The well's status and operation frequency are unknown. Due to the well's distant location from the site and the site's observed groundwater flow directions, it is unlikely that this well could be impacted by groundwater from the site.

November 2003 Monitoring Well Installation: On November 19 and 20, 2003, Cambria completed the installation of on-site and off-site wells MW-9, MW-10, and MW-11. Off-site soil borings were not completed due access agreement issues. MTBE was detected in two soil samples (MW-11-20' and MW-11-24.5') at concentrations of 0.039 and 1.4 ppm, respectively. TPHg was detected in four soil samples (MW-10-30', MW-10-31.5', MW-11-20', and MW-11-34.5') at concentrations of 14, 230, 1.8, and 330 ppm, respectively. All soil samples with detectable hydrocarbon concentrations were saturated soil samples, so identified results appeared more indicative of chemical concentrations in groundwater than sorbed to soil. The off-site soil borings previously installed in conjunction with the new monitoring wells adequately defined the hydrocarbon plume in all directions except to the southeast.

Groundwater Monitoring: Groundwater has been sampled quarterly since March 1990. Groundwater samples from MW-2 have contained the highest TPHg and benzene concentrations, up to 160,000 ppb and 36,000 ppb, respectively. Although hydrocarbons have been detected in water from wells MW-1 and MW-3, no hydrocarbons have been detected in water from downgradient well MW-4 except in second quarter of 2003, and laboratory notes indicate that the detected hydrocarbons did not match the laboratory standard. Wells MW-7 and MW-8 have contained up to 49,000 ppb TPHg and 830 ppb benzene, but MTBE has not been detected in these wells.



INVESTIGATION PROCEDURES

Cambria supervised the installation of two off-site soil borings (SB-17 and SB-18) (Figure 2). As Cambria recommended in our August 28, 2003 *Soil and Water Investigation Report and Work Plan* and as ACHCSA requested in a September 17, 2003 approval letter, the off-site soil borings were installed, south to southeast of the site (Figure 2). Gregg Drilling Inc. (Gregg) of Martinez, California installed the soil borings using a Geoprobe® direct-push drill rig. Cambria's Standard Field Procedures for Soil Borings and Grouting are included as Attachment A.

Permits: Cambria obtained a soil boring installation permit from the Alameda County Public Works Agency for both soil borings (Permit #W04-0637). A permit copy is included as Attachment B.

Soil Sampling Dates: September 13, 2004

Drilling Company: Gregg (C-57 License #485165).

Personnel Present: Stewart Dalie, Staff Scientist, Cambria
Don Parsons, Driller, Gregg

Drilling Method: Gregg drilling used a Geoprobe® direct-push drill rig for the off-site soil borings.

Number of Borings: Two: SB-17 and SB-18.

Boring Depths: Soil boring SB-17 was advanced to a total depth of 36 fbg, and soil boring SB-18 was advanced to a total depth of 32 fbg. (Attachment C).

Soil Sampling Method:

Soil was collected directly from the subsurface in 4-foot acetate liners. Cambria field staff selected the sample locations at approximate 5-foot intervals, and retained the samples by cutting 6-inch sections of liner with the soil contained inside. Teflon tape was then used to cap the ends of the tube to diminish any headspace, and plastic end caps were used to seal the integrity of the sample. Samples were then retained in an ice filled cooler under chain-of-custody seal.

Sediment Lithology:

Asphalt and baserock comprised the top 2.5 feet in each location. Soil encountered during drilling consisted of clay from approximately 2.5 to 3 fbg to 13 to 15 fbg, underlain by silty sands and sandy silts and silty clay with gravel and sand to the total explored depth of between 32 and 36 fbg, respectively (Attachment C). Both borings were back filled with Portland neat cement Type I/II via tremie pipe, and the surface conditions were restored to match the existing grade with asphalt.

Grab Groundwater Sampling:

Upon completion of each location to total depth, Cambria field staff instructed Gregg field staff to insert 1-inch PVC casing into the boring with 10-feet of 0.010-inch screen on the bottom. The temporary piezometers were set, and a stainless steel bailer was used with string to collect water to fill several VOA containers from each location. Samples were then retained in an ice-filled cooler under chain-of-custody seal. The casing was removed and used as tremie pipe for back filling the soil boring locations.

Groundwater Depths:

Groundwater was first encountered during drilling activities at approximately 32 fbg in SB-18 and at 34 fbg in SB-17. One hour later, static groundwater in SB-18 and SB-17 was measured at 27.6 and 28.5 fbg, respectively. The depth to groundwater was measured soon after initial intrusion into the aquifer, so hydrostatic pressures may not have had adequate time to equilibrate. Therefore, static groundwater readings measured on September 13, 2004 may not be representative of true static water conditions in those locations.

Chemical Analyses:

Selected soil and grab groundwater samples collected from the soil boring locations were analyzed by State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California (STL)



for TPHg, BTEX, MTBE, tert-butyl alcohol (TBA), ethyl tert butyl ether, di-isopropyl ether, ethanol, 1,2-dichloroethane, and ethylene dibromide using EPA Method 8260B (Attachment D). To characterize the soil cuttings for disposal, four brass tubes of soil were collected. STL analyzed the samples for TPHg, total petroleum hydrocarbons as diesel, and BTEX by EPA method 8260B and for total threshold limit concentration lead by EPA method 6010B.



***Stockpile Soil Sampling
And Disposal:***

Soil cuttings produced from the borings were wrapped in plastic sheeting, labeled and temporarily stockpiled on site. The cuttings will be transported by Manley and Sons Trucking Company of Sacramento, California to Forward Landfill in Manteca, California for disposal.

INVESTIGATION RESULTS

Chemical Distribution in Soil: No target analytes were detected in any soil sample collected during the investigation. The certified analytical laboratory reports are included as Attachment D, and the results are summarized as Table 1.

Chemical Distribution in Groundwater: No benzene, MTBE, TBA, fuel oxygenates, or lead scavengers were detected in grab groundwater samples collected during the investigation. TPHg was detected at 55 ppb in grab groundwater sample SB-18-W. Toluene, ethylbenzene and xylenes were detected in grab groundwater samples SB-17-W and SB-18-W at concentrations of 4.2 and 5.5 ppb toluene, respectively; 2.0 and 2.5 ppb ethylbenzene, respectively; and 7.9 and 10 ppb xylenes, respectively. The certified analytical laboratory reports for this investigation are included as Attachment D, and the results are summarized as Table 2.

CONCLUSIONS AND RECOMMENDATIONS

Soil lithology observed during this investigation was consistent with previously determined saturated intervals and depth-to-water readings. The soil analytical results indicate no soil impacts to the southeast of the site. The groundwater analytical results indicate low hydrocarbon concentrations are present. The detected groundwater concentrations are below California

maximum contaminant levels (MCLs), and thus, below levels of concern. The off-site soil borings installed during this investigation complete definition of the extent of the hydrocarbons in soil and groundwater in all directions.

Cambria recommends continued ongoing monitoring at the site.

CLOSING

Please call Jason Gerke at (510) 420-3320, if you have any questions or comments.



Sincerely,
Cambria Environmental Technology, Inc.

Jason Gerke
Jason Gerke
Senior Staff Scientist

Matthew W. Derby
Matthew W. Derby, P.E.
Senior Project Engineer



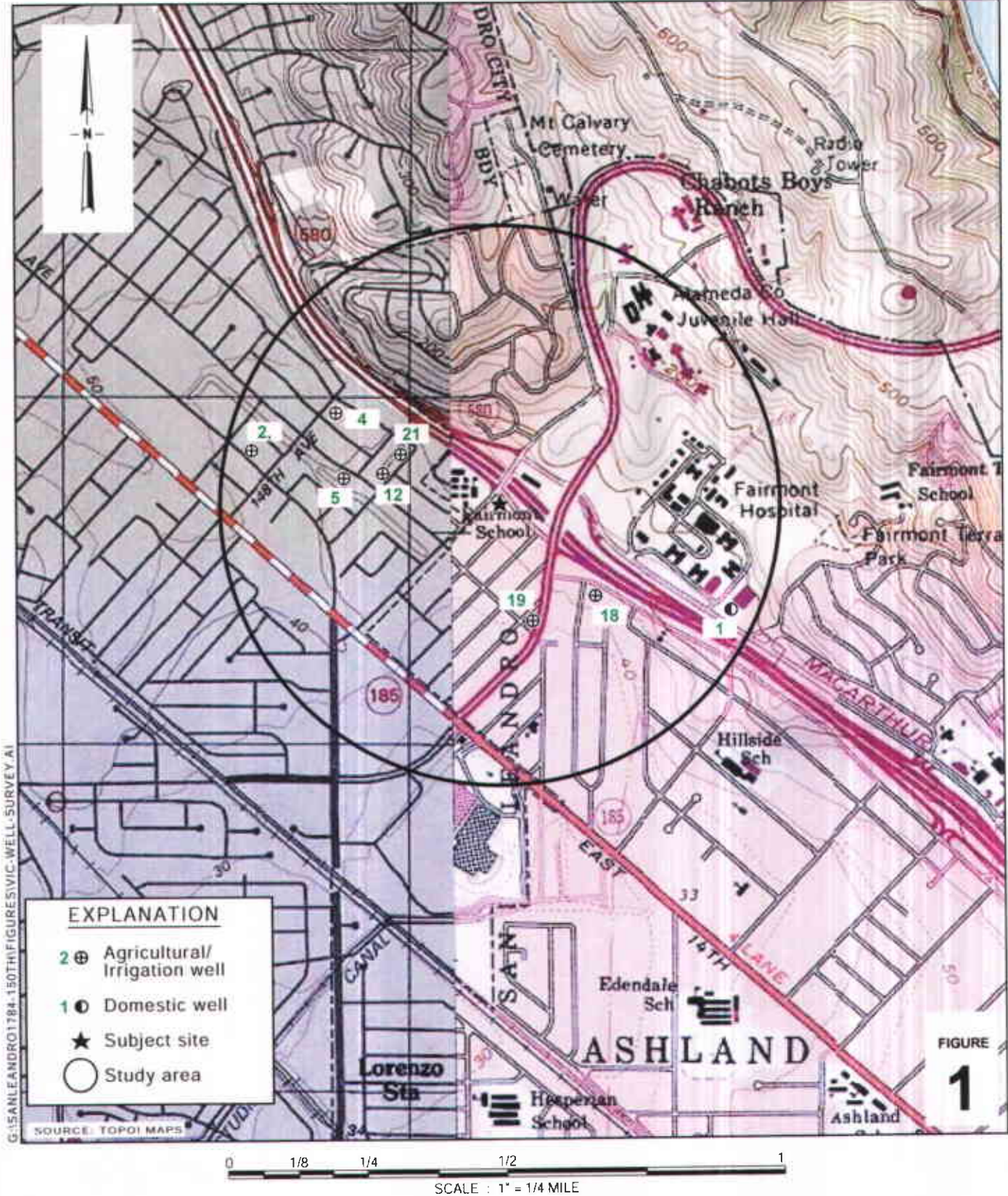
Figures: 1 - Vicinity/Area Well Survey Map
 2 - Soil Boring Location Map

Tables: 1 - Soil Analytical Results
 2 - Groundwater Analytical Results

Attachments: A - Standard Field Procedures for Soil Borings and Grouting
 B - Permit
 C - Boring Logs
 D - Certified Analytical Laboratory Report

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810

G:\San Leandro 1784 150th\2004 Off-Site Borings\1784 150th Soil and Water InvestigationReport.docnReport.doc



G:\SANLEANDRO\1784-150TH\FIGURES\VIC-WELL-SURVEY.A1

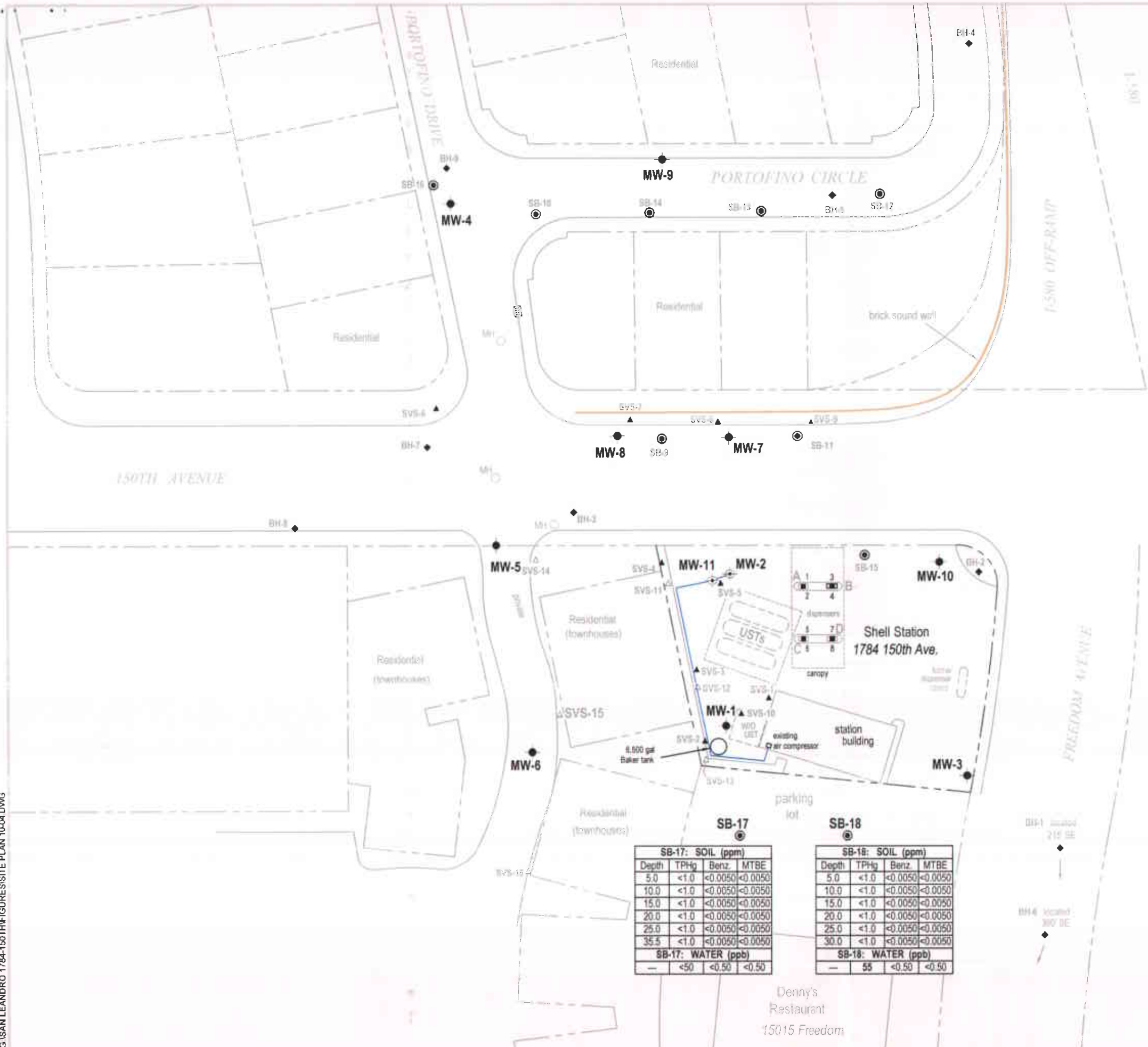
Shell-branded Service Station
 1784 150th Avenue
 San Leandro, California
 Incident #98996068



C A M B R I A

Vicinity/Area Well Survey Map
 1/2-Mile Radius

FIGURE 1



EXPLANATION

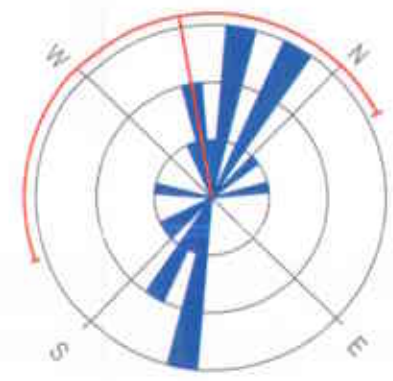
- MW-2 Monitoring well location used for groundwater extraction
- MW-1 Monitoring well location
- SB-17 Soil boring location (Cambria, 9/04)
- SB-10 Soil boring location (Cambria, 6/03)
- SB-9 Soil boring location (Cambria, 10/02)
- SVS-11 Soil boring location (Cambria, 11/98)
- SVS-1 Soil boring location (Cambria, 7/96)
- BH-7 Soil boring location (Weiss, 3/95)
- A Dispenser soil sample location (Weiss, 3/95)
- BH-1 Soil boring location (Weiss, 6/94)

SB-2: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE

On-Site Soil Boring ID
Soil boring sample depth and TPHg, benzene, and MTBE concentrations in soil, in ppm

SB-2: WATER (ppb)			
	TPHg	Benz.	MTBE

On-Site Soil Boring ID
Soil boring TPHg, benzene, and MTBE concentrations in groundwater, in ppb



Groundwater Flow Direction
(06/14/99 to 05/27/04)

SB-17: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
5.0	<1.0	<0.0050	<0.0050
10.0	<1.0	<0.0050	<0.0050
15.0	<1.0	<0.0050	<0.0050
20.0	<1.0	<0.0050	<0.0050
25.0	<1.0	<0.0050	<0.0050
35.5	<1.0	<0.0050	<0.0050

SB-17: WATER (ppb)			
	TPHg	Benz.	MTBE
	<50	<0.50	<0.50

SB-18: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
5.0	<1.0	<0.0050	<0.0050
10.0	<1.0	<0.0050	<0.0050
15.0	<1.0	<0.0050	<0.0050
20.0	<1.0	<0.0050	<0.0050
25.0	<1.0	<0.0050	<0.0050
30.0	<1.0	<0.0050	<0.0050

SB-18: WATER (ppb)			
	TPHg	Benz.	MTBE
	55	<0.50	<0.50

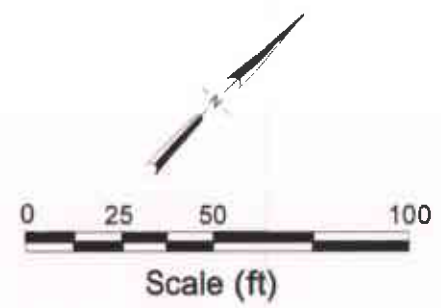


FIGURE
2



Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
BH-A ^{ab}	3/5/1990	5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-A ^{ab}	3/5/1990	15.7	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-A ^{ab,c}	3/5/1990	24.7	<1	0.020	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-A ^{ad}	3/5/1990	29.2	35	0.23	0.20	<0.0025	0.64	---	---	---	---	---	---	---	---	---
BH-A ^{ab}	3/5/1990	41.2	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-B ^b	2/4/1992	11.5	<1	0.0026	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-B	2/4/1992	16.5	<1	0.0058	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-B ^{b,c}	2/4/1992	21.5	79	0.20	0.60	1.0	4.1	---	---	---	---	---	---	---	---	---
BH-B	2/4/1992	26.5	74	0.59	0.91	1.5	3.9	---	---	---	---	---	---	---	---	---
BH-C ^b	2/5/1992	11.5	<1	0.0042	0.0029	0.0039	<0.0025	---	---	---	---	---	---	---	---	---
BH-C ^b	2/5/1992	21.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-C ^{b,f}	2/5/1992	26.5	3.9	<0.0025	<0.0025	<0.0025	0.0054	---	---	---	---	---	---	---	---	---
BH-C	2/5/1992	31.5	68	<0.05	<0.05	<0.05	0.17	---	---	---	---	---	---	---	---	---
BH-1-21	6/6/1994	21	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-2-20	6/6/1994	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-3-16 ^b	6/6/1994	16	<1.0	0.013	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-4-20.6	6/7/1994	20.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-5-15.6	6/7/1994	15.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-6-20.5	6/7/1994	20.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
BH-7-15.8	2/14/1995	15.8	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-8-16.0	2/14/1995	16.0	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-9-19.5	2/14/1995	19.5	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---	---	---	---
BH-10-15.2	3/3/1995	15.2	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---
SVS-3	7/18-19/96	16-18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
SVS-5	7/18-19/96	4-6	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
SVS-5	7/18-19/96	8-10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
SVS-5	7/18-19/96	18-20	1.1	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
SVS-9	7/18-19/96	3-5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
SVS-9	7/18-19/96	8-10	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
SVS-9	7/18-19/96	16-18	<1.0	<0.005	<0.005	<0.005	<0.005	<0.025	---	---	---	---	---	---	---	---
Disp-A	12/4/1997	2.0	3.1	<0.005	0.037	0.022	<0.01	0.019	---	---	---	---	---	---	---	---
Disp-A, 4.5	12/4/1997	4.5	6.3	0.096	0.012	0.46	0.037	0.056	---	---	---	---	---	---	---	---
Disp-B	12/4/1997	2.0	130	<1	<1	<1	<2	<1	---	---	---	---	---	---	---	---
Disp-B, 4.5	12/4/1997	4.5	1.0	0.045	<0.005	0.064	0.32	<0.03	---	---	---	---	---	---	---	---
Disp-C	12/4/1997	2.0	190	1.8	2.1	3.6	20	1.4	---	---	---	---	---	---	---	---
Disp-C, 4.5 ^h	12/4/1997	4.5	590	<0.5	0.98	2.3	3.1	<0.5	---	---	---	---	---	---	---	---
Disp-D	12/4/1997	2.0	3.8	0.11	<0.005	0.15	0.17	0.11	---	---	---	---	---	---	---	---
Disp-D, 4.5	12/4/1997	4.5	1.4	0.027	<0.005	0.036	0.178	0.005	---	---	---	---	---	---	---	---
SVS-11-5.5	11/10/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-6	11/10/1998	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-9.5	11/10/1998	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-10	11/10/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-15	11/10/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-15.5	11/10/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-19	11/10/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-11-19.5	11/10/1998	19.5	1.6	0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-15.5	11/11/1998	15.5	<1.0	<0.0050	0.006	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-14-19	11/11/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.029	<25	---	---	---	---	---	---	---
SVS-14-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-4.5	11/11/1998	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	0.013	<0.025	---	---	---	---	---	---	---	---
SVS-15-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-15-20	11/11/1998	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
		(fbg)	← (Concentrations in mg/kg) →													
SVS-16-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-16-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-16-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-16-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	0.0093	0.026	---	---	---	---	---	---	---	---
SVS-16-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
SVS-16-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---	---	---	---	---	---	---	---
MW-5-515.5	10/24/2001	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-6-5.5	10/24/2001	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	0.012	---	---	---	---	---	---	---
MW7@5'	10/3/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW7@10'	10/3/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW7@15'	10/3/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW7@20'	10/3/2002	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW7@25'	10/3/2002	25	11	<0.0050	0.0060	0.086	0.13	---	<0.5	---	---	---	---	---	---	---
MW7@30'	10/3/2002	30	68	<0.025	0.19	0.89	3.7	---	<0.5	---	---	---	---	---	---	---
MW7@32'	10/3/2002	32	1.2	<0.0050	0.0069	0.025	0.11	---	<0.5	---	---	---	---	---	---	---
MW8@5'	10/4/2002	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW8@10'	10/4/2002	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW8@15'	10/4/2002	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW8@20'	10/4/2002	20	1.2	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5	---	---	---	---	---	---	---
MW8@25'	10/4/2002	25	140	0.072	0.15	1.5	5.8	---	<0.5	---	---	---	---	---	---	---
SB9@22	10/4/2002	22	1.1	<0.0050	<0.0050	0.016	0.088	---	<0.5	---	---	---	---	---	---	---
SB-10-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-22'	6/23/2003	22	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-25'	6/23/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-30	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-37'	6/23/2003	37	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-10-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-11-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-11-15'	6/24/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
			(fbg)	(Concentrations in mg/kg)												
SB-11-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-11-24'	6/24/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-11-28'	6/24/2003	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-11-30'	6/24/2003	30	650	<0.50	<0.50	3.5	9.9	---	<0.50	---	---	---	---	---	---	---
SB-12-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-12-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-12-25'	6/24/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-12-30'	6/24/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-12-35'	6/24/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-12-39.5'	6/24/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-24'	6/23/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-30'	6/23/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-35'	6/23/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-13-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-10'	6/24/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-20'	6/24/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-24'	6/24/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-30'	6/24/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-35'	6/24/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-14-39.5'	6/24/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-15-10'	6/26/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-15-15'	6/26/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-15-20'	6/26/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-15-22.5'	6/26/2003	22.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-15-35'	6/26/2003	35	1.4	0.10	<0.0050	0.030	0.0055	---	<0.0050	---	---	---	---	---	---	---
SB-16-10'	6/23/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-16-20'	6/23/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-16-24'	6/23/2003	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-16-28'	6/23/2003	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-16-35'	6/23/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
SB-16-39.5'	6/23/2003	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
MW-9-5'	11/19/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-10'	11/19/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-15'	11/19/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-20'	11/19/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-25'	11/19/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-30'	11/19/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-9-35'	11/19/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-5'	11/20/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-10'	11/20/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-15'	11/20/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-20'	11/20/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-25'	11/20/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-10-30'	11/20/2003	30	14	<0.023	<0.023	<0.023	<0.023	---	<0.023	---	---	---	---	---	---	---
MW-10-31.5'	11/20/2003	31.5	230	<0.50	<0.50	2.2	1.5	---	<0.50	---	---	---	---	---	---	---
MW-11-5'	11/20/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-11-10'	11/20/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-11-15'	11/20/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---	---	---	---	---	---	---
MW-11-20'	11/20/2003	20	1.8	<0.0050	<0.0050	0.0084	0.013	---	0.039	---	---	---	---	---	---	---
MW-11-24.5'	11/20/2003	24.5	330	<0.50	1.6	4.8	29	---	1.4	---	---	---	---	---	---	---
SB-17-5'	9/13/2004	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-17-10'	9/13/2004	10.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-17-15'	9/13/2004	15.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-17-20'	9/13/2004	20.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-17-25'	9/13/2004	25.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-17-35.5'	9/13/2004	35.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-5'	9/13/2004	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-10'	9/13/2004	10.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-15'	9/13/2004	15.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-20'	9/13/2004	20.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-25'	9/13/2004	25.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1
SB-18-30'	9/13/2004	30.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.10	<0.0050	<0.10	<0.0050	<0.0050	<0.0050	<0.1

Table 1. Soil Analytical Results - Shell-branded Service Station, 1784 150th St., San Leandro, California - Incident #98996068

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	ETBE	DIPE	TAME	1,2-DCA	EDB	Ethanol
-----------	------	-------	------	---------	---------	-------------------	---------	----------------	----------------	-----	------	------	------	---------	-----	---------

(fbg) ← (Concentrations in mg/kg) →

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. From 1990 through 1998, analyzed by modified EPA Method 8015; from 2001 through 2004, analyzed by EPA Method 8260B.

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8020 from 1990 through 1998; from 2001 through 2004, analyzed by EPA Method 8260B.

MTBE = Methyl tert-butyl ether analyzed by EPA Method 8020 or EPA Method 8260 (as indicated).

TBA = Tert-Butyl alcohol, analyzed by EPA Method 8260B.

ETBE = Ethyl tert butyl ether, analyzed by EPA Method 8260B.

DIPE = Di-isopropyl Ether, analyzed by EPA Method 8260B.

TAME = tert-Amyl methyl ether, analyzed by EPA Method 8260B.

1,2-DCA = 1,2-dichloroethane

EDB = Ethyl di-bromide, analyzed by EPA Method 8260B.

Ethanol analyzed by EPA Method 8260B.

fbg = Feet below grade

mg/kg = Milligrams per kilogram

<n = Below detection limit of n mg/kg

--- = Not analyzed

Notes:

a = Petroleum oil and grease analyzed by American Public Health Association Standard Method 503E; no detections above 100 ppm detection limit. Total oil and grease analyzed by American Public Health Association Standard Method 503E; no detections above 50 ppm detection limit.

b = Analyzed for halogenated volatile organic compounds by EPA Method 8010; none detected.

c = Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons as motor oil (TPHmo) analyzed by modified EPA Method 8015; no TPHd detected at 1 ppm limit; no TPHmo detected at 10 ppm limit.

e = TPHd detected at 23 ppm by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.

f = TPHd detected at 4.9 ppm by modified EPA Method 8015; lab characterized detected compounds as hydrocarbons lighter than diesel.

g = Analyzed for volatile organic compounds by EPA Method 8010; none detected above detection limits ranging from 0.005 to 0.050 ppm.

h = Sample saturated with perched water from beneath dispenser.

Table 2. Groundwater Analytical Results - Shell-branded Service Station, Incident # 98996068, 1784 150th Avenue, San Leandro, California

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
← (ppb) →														
SVS-11-W1	11/10/1998	130,000	18,000	1,800	5,700	31,000	1,500	---	---	---	---	---	---	---
SVS-12-W1	11/11/1998	64,000	1,800	770	2,700	17,000	<250	---	---	---	---	---	---	---
SVS-14-W1	11/11/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---
SVS-15-W1	11/11/1998	<50	<0.50	<0.50	<0.50	0.80	<2.5	---	---	---	---	---	---	---
SVS-16-W1	11/11/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	---	---
MW7-W	10/03/02	60,000	59	590	1,900	7,300	<100	---	---	---	---	---	---	---
MW8-W	10/04/02	83,000	810	2,000	3,700	17,000	<500	---	---	---	---	---	---	---
SB9-W	10/04/02	78,000	2,200	8,200	2,300	13,000	<500	---	---	---	---	---	---	---
SB-10-W	6/23/03	<50	1.1	0.84	<0.50	1.7	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-11-W	6/24/03	75	0.84	0.53	1.5	7.1	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-12-W	6/24/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-13-W	6/23/03	<50	0.89	0.52	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-14-W	6/24/03	67,000	<100	280	3,800	16,000	<100	<1000	<400	<400	<400	<100	<100	<1000
SB-15-W	6/26/03	6,800	530	<25	380	560	40	<250	<100	<100	<100	<25	<25	<2500
SB-16-W	6/23/03	<50	0.67	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-17-W	09/13/04	<50	<0.50	4.2	2.0	7.9	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-18-W	09/13/04	55	<0.50	5.5	2.5	10.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50

Table 2. Groundwater Analytical Results - Shell-branded Service Station, Incident # 98996068, 1784 150th Avenue, San Leandro, California

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
-----------	-------------	------	---------	---------	---------------	---------------	------	-----	------	------	------	---------	-----	---------

(ppb)

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015 in 1998, and by EPA Method 8260B afterwards.

Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8020 in 1998, and by EPA Method 8260B afterwards.

MTBE = methyl tertiary butyl ether by EPA Method 8020 in 1998 and by EPA Method 8260B afterwards

TBA = Tert-Butyl alcohol, analyzed by EPA Method 8260B.

ETBE = Ethyl tert butyl ether, analyzed by EPA Method 8260B.

DIPE = Di-isopropyl Ether, analyzed by EPA Method 8260B.

TAME = tert-Amyl methyl ether, analyzed by EPA Method 8260B.

1,2-DCA = 1,2-dichloroethane

EDB = Ethyl di-bromide, analyzed by EPA Method 8260B.

Ethanol analyzed by EPA Method 8260B.

ppb = parts per billion

--- = not analyzed

ATTACHMENT A

Standard Filed Procedures for Soil Borings and Grouting

CAMBRIA

STANDARD FIELD PROCEDURES FOR SOIL BORINGS AND GROUTING

This document describes Cambria Environmental Technology's standard field methods for drilling and sampling soil borings. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e. sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or product saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e. cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or hydraulic push technologies. At least one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments beyond the bottom of the borehole. The vertical location of each soil sample is determined by measuring the distance from the middle of the soil sample tube to the end of the drive rod used to advance the split barrel sampler. All sample depths use the ground surface immediately adjacent to the boring as a datum. The horizontal location of each boring is measured in the field from an onsite permanent reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

CAMBRIA

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable photoionization detector (PID) measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. PID measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch type sampler or are collected from the open borehole using bailers. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are collected usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory QA/QC blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

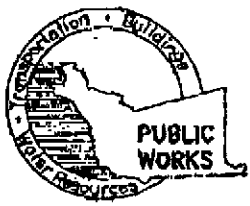
Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55 gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

ATTACHMENT B

Permit



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 870-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1754 150th Street
San Leandro, CA

PERMIT NUMBER W04-0637
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Shell Oil Products Co. (US)
Address 2000 S. Wilcox Phone (925) 206-1554
City Concord, CA Zip 94810

A. GENERAL

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

APPLICANT
Name Street Drilling / Cambria
Address 2211 Colma Fax (510) 470-9170
Address 5900 Hollis Ave Phone (510) 470-3334
City Emeryville, CA Zip 94608

B. WATER SUPPLY WELLS

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

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

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

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

DRILLING METHOD:

- | | | | | | |
|------------|--------------------------|------------|-------------------------------------|-----------------|--------------------------|
| Mud Rotary | <input type="checkbox"/> | Air Rotary | <input type="checkbox"/> | Auger | <input type="checkbox"/> |
| Cable | <input type="checkbox"/> | Other | <input checked="" type="checkbox"/> | <u>geoprobe</u> | |

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

DRILLER'S NAME Gregg Daily
DRILLER'S LICENSE NO. C-57-485-165

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS - BAF

WELL PROJECTS

Drill Hole Diameter 4 1/2 in. Maximum _____ ft.
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Owner's Well Number _____

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

GEOTECHNICAL PROJECTS

Number of Borings 2 Maximum _____ ft.
Hole Diameter 3 1/4 in. Depth 30 ft.

STARTING DATE 6/18/04
COMPLETION DATE 6/18/04

APPROVED [Signature] DATE 6-11-04

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

APPLICANT'S SIGNATURE [Signature] DATE 6/2/04
PLEASE PRINT NAME Steven A. Dale III Rev. 9-18-02

ATTACHMENT C

Boring Logs



Telephone: (510) 420-0700
Fax: (510) 420-9170

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-17
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	13-Sep-04
LOCATION	San Leandro, California	DRILLING COMPLETED	13-Sep-04
PROJECT NUMBER	246-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	34.0 ft (13-Sep-04)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	28.50 ft (13-Sep-04)
REMARKS	Hand augered to 5 fbg		

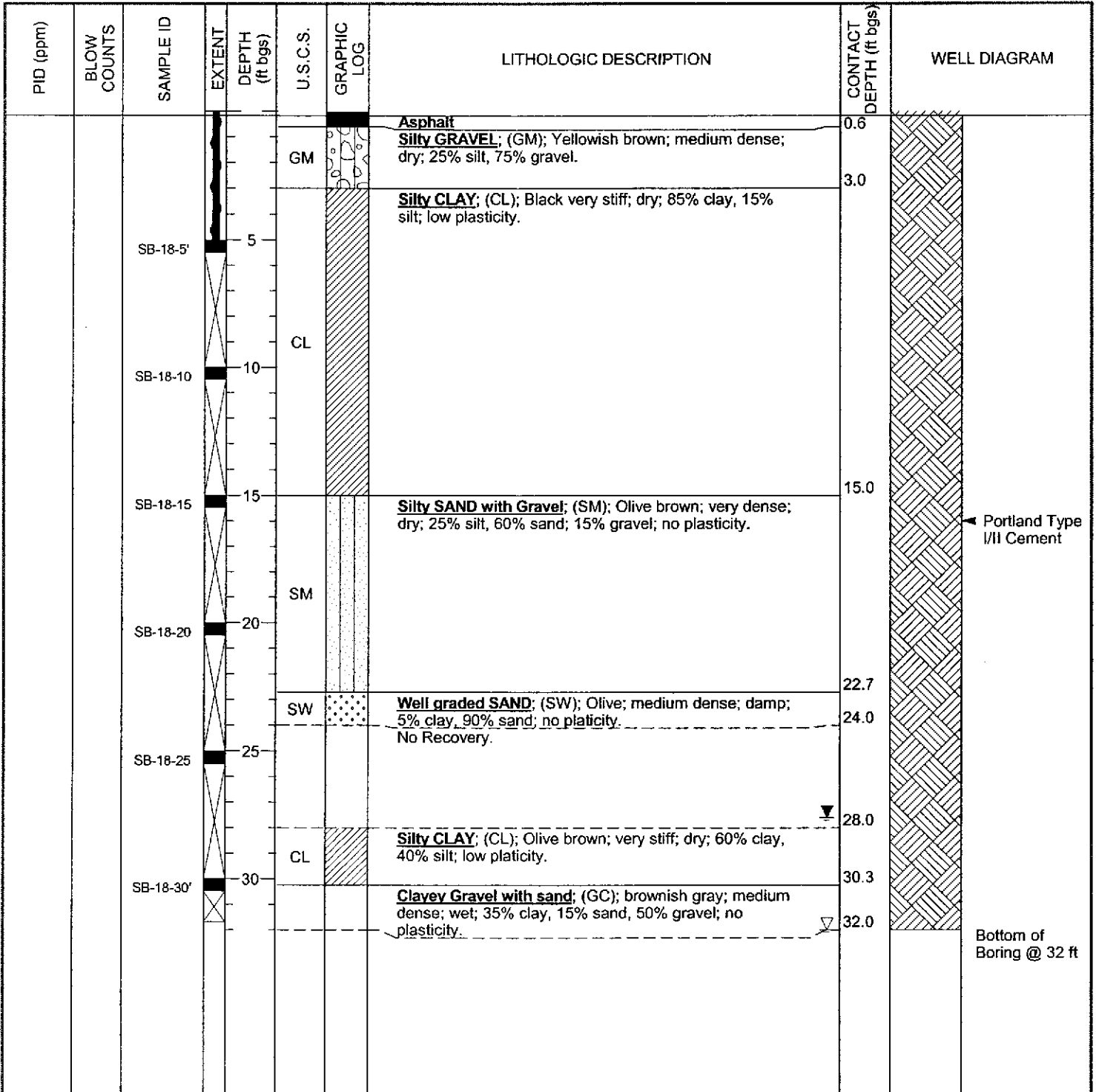
PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
			0.6			Asphalt	0.6	
			2.5	GM		Silty GRAVEL with clay ; (GM); Black; very stiff; dry; 15% clay, 25% silt, 60% gravel; no plasticity.	2.5	
		SB-17-5'	5	CL		Silty CLAY ; (CL); Black; very stiff; dry; 85% clay, 15% silt; low to medium plasticity.		
		SB-17-10	10					
		SB-17-15	15	ML		Sandy SILT ; (ML); Olive brown; dense; dry; 5% clay, 70% silt, 25% sand; no plasticity.	13.5	
			15.5	SM		Silty SAND with Gravel ; (SM); Olive brown; very dense; dry; 25% silt, 60% sand; 15% gravel; no plasticity.	15.5	
		SB-17-20	20	CL		Silty CLAY with gravel ; (CL); Dark olive brown; very stiff; dry; 70% clay, 20% silt, 10% gravel; no plasticity.	18.0	
		SB-17-25	25	ML		Clayey SILT ; (ML); Brownish gray; very stiff; dry; 60% clay, 30% silt; 10% gravel; low plasticity.	24.0	
			28.0			No recovery.	28.0	
		SB-17-35.5	35	GC		Clayey Gravel with sand ; (GC); brownish gray; medium dense; wet; 25% clay, 15% sand, 70% gravel; no plasticity.	32.0	
			36.0				36.0	Bottom of Boring @ 36 ft

WELL LOG (SHELL) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 10/19/04



Telephone: (510) 420-0700
Fax: (510) 420-9170

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-18
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	13-Sep-04
LOCATION	San Leandro, California	DRILLING COMPLETED	13-Sep-04
PROJECT NUMBER	246-0612-008	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	2"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalle	DEPTH TO WATER (First Encountered)	32.0 ft (13-Sep-04)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	27.60 ft (13-Sep-04)
REMARKS	Hand augered to 5 fbg		



WELL LOG (SHELL) G:\SAN LEANDRO 1784 150TH\SINTS\NL1784.GPJ_DEFAULT.GDT 10/19/04

ATTACHMENT D
Certified Analytical Laboratory Report

Cambria Environmental Emeryville

September 29, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 246-0612-008

Project: 98996068

Site: 1784 150th Street, San Leandro, CA

Dear Mr. Dalie:

Attached is our report for your samples received on 09/15/2004 08:05

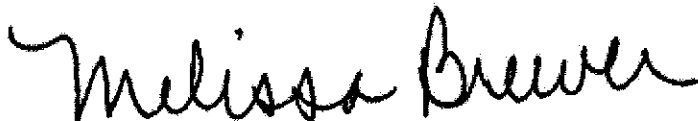
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/30/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-17-5'	09/13/2004 09:20	Soil	1
SB-17-10'	09/13/2004 09:30	Soil	2
SB-17-15'	09/13/2004 09:50	Soil	3
SB-17-20'	09/13/2004 10:00	Soil	4
SB-17-25'	09/13/2004 10:25	Soil	5
SB-17-35.5'	09/13/2004 11:00	Soil	6
SB-18-5'	09/13/2004 11:40	Soil	8
SB-18-10'	09/13/2004 11:55	Soil	9
SB-18-15'	09/13/2004 12:10	Soil	10
SB-18-20'	09/13/2004 12:20	Soil	11
SB-18-25'	09/13/2004 12:40	Soil	12
SB-18-30'	09/13/2004 13:00	Soil	13

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-5	Lab ID:	2004-09-0439 - 1
Sampled:	09/13/2004 09:20	Extracted:	9/22/2004 10:18
Matrix:	Soil	QC Batch#:	2004/09/22-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 10:18	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 10:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 10:18	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 10:18	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 10:18	
Surrogate(s)						
1,2-Dichloroethane-d4	94.8	76-124	%	1.00	09/22/2004 10:18	
Toluene-d8	96.7	75-116	%	1.00	09/22/2004 10:18	

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-10	Lab ID:	2004-09-0439 - 2
Sampled:	09/13/2004 09:30	Extracted:	9/21/2004 22:23
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/21/2004 22:23	
Benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
Toluene	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/21/2004 22:23	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/21/2004 22:23	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
EDB	ND	0.0050	mg/Kg	1.00	09/21/2004 22:23	
Ethanol	ND	0.1	mg/Kg	1.00	09/21/2004 22:23	
Surrogate(s)						
1,2-Dichloroethane-d4	100.4	76-124	%	1.00	09/21/2004 22:23	
Toluene-d8	97.6	75-116	%	1.00	09/21/2004 22:23	

Sewern 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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-15	Lab ID:	2004-09-0439 - 3
Sampled:	09/13/2004 09:50	Extracted:	9/21/2004 23:31
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/21/2004 23:31	
Benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
Toluene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/21/2004 23:31	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/21/2004 23:31	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
EDB	ND	0.0050	mg/Kg	1.00	09/21/2004 23:31	
Ethanol	ND	0.1	mg/Kg	1.00	09/21/2004 23:31	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	76-124	%	1.00	09/21/2004 23:31	
Toluene-d8	96.9	75-116	%	1.00	09/21/2004 23:31	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-20	Lab ID:	2004-09-0439 - 4
Sampled:	09/13/2004 10:00	Extracted:	9/21/2004 23:53
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/21/2004 23:53	
Benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
Toluene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/21/2004 23:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/21/2004 23:53	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
EDB	ND	0.0050	mg/Kg	1.00	09/21/2004 23:53	
Ethanol	ND	0.1	mg/Kg	1.00	09/21/2004 23:53	
Surrogate(s)						
1,2-Dichloroethane-d4	106.1	76-124	%	1.00	09/21/2004 23:53	
Toluene-d8	90.3	75-116	%	1.00	09/21/2004 23:53	

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-25	Lab ID:	2004-09-0439 - 5
Sampled:	09/13/2004 10:25	Extracted:	9/22/2004 00:16
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 00:16	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 00:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 00:16	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 00:16	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 00:16	
Surrogate(s)						
1,2-Dichloroethane-d4	107.7	76-124	%	1.00	09/22/2004 00:16	
Toluene-d8	99.1	75-116	%	1.00	09/22/2004 00:16	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-35.5	Lab ID:	2004-09-0439 - 6
Sampled:	09/13/2004 11:00	Extracted:	9/22/2004 00:38
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 00:38	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 00:38	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 00:38	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 00:38	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 00:38	
Surrogate(s)						
1,2-Dichloroethane-d4	103.2	76-124	%	1.00	09/22/2004 00:38	
Toluene-d8	97.2	75-116	%	1.00	09/22/2004 00:38	

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-5	Lab ID:	2004-09-0439 - 8
Sampled:	09/13/2004 11:40	Extracted:	9/22/2004 01:01
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 01:01	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 01:01	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 01:01	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 01:01	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 01:01	
Surrogate(s)						
1,2-Dichloroethane-d4	108.3	76-124	%	1.00	09/22/2004 01:01	
Toluene-d8	97.8	75-116	%	1.00	09/22/2004 01:01	

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-10	Lab ID:	2004-09-0439 - 9
Sampled:	09/13/2004 11:55	Extracted:	9/22/2004 01:23
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 01:23	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 01:23	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 01:23	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 01:23	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 01:23	
Surrogate(s)						
1,2-Dichloroethane-d4	98.3	76-124	%	1.00	09/22/2004 01:23	
Toluene-d8	92.8	75-116	%	1.00	09/22/2004 01:23	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-15	Lab ID:	2004-09-0439 - 10
Sampled:	09/13/2004 12:10	Extracted:	9/22/2004 01:46
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 01:46	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 01:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 01:46	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 01:46	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 01:46	
Surrogate(s)						
1,2-Dichloroethane-d4	100.2	76-124	%	1.00	09/22/2004 01:46	
Toluene-d8	100.0	75-116	%	1.00	09/22/2004 01:46	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-20	Lab ID:	2004-09-0439 - 11
Sampled:	09/13/2004 12:20	Extracted:	9/22/2004 02:08
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 02:08	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 02:08	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 02:08	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 02:08	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 02:08	
Surrogate(s)						
1,2-Dichloroethane-d4	107.8	76-124	%	1.00	09/22/2004 02:08	
Toluene-d8	98.1	75-116	%	1.00	09/22/2004 02:08	

Sewern 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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-25	Lab ID:	2004-09-0439 - 12
Sampled:	09/13/2004 12:40	Extracted:	9/22/2004 02:30
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 02:30	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 02:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 02:30	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 02:30	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 02:30	
Surrogate(s)						
1,2-Dichloroethane-d4	103.1	76-124	%	1.00	09/22/2004 02:30	
Toluene-d8	97.9	75-116	%	1.00	09/22/2004 02:30	

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-30	Lab ID:	2004-09-0439 - 13
Sampled:	09/13/2004 13:00	Extracted:	9/22/2004 02:53
Matrix:	Soil	QC Batch#:	2004/09/21-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/22/2004 02:53	
Benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
Toluene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	09/22/2004 02:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	09/22/2004 02:53	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
1,2-DCA	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
EDB	ND	0.0050	mg/Kg	1.00	09/22/2004 02:53	
Ethanol	ND	0.1	mg/Kg	1.00	09/22/2004 02:53	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	76-124	%	1.00	09/22/2004 02:53	
Toluene-d8	100.7	75-116	%	1.00	09/22/2004 02:53	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2004/09/21-2A.66	
MB: 2004/09/21-2A.66-016				Date Extracted: 09/21/2004 18:16	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	09/21/2004 18:16	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	09/21/2004 18:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	09/21/2004 18:16	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	09/21/2004 18:16	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	09/21/2004 18:16	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	09/21/2004 18:16	
1,2-DCA	ND	0.0050	mg/Kg	09/21/2004 18:16	
EDB	ND	0.0050	mg/Kg	09/21/2004 18:16	
Benzene	ND	0.0050	mg/Kg	09/21/2004 18:16	
Toluene	ND	0.0050	mg/Kg	09/21/2004 18:16	
Ethyl benzene	ND	0.0050	mg/Kg	09/21/2004 18:16	
Total xylenes	ND	0.0050	mg/Kg	09/21/2004 18:16	
Ethanol	ND	0.10	mg/Kg	09/21/2004 18:16	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	76-124	%	09/21/2004 18:16	
Toluene-d8	95.2	75-116	%	09/21/2004 18:16	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B Method Blank MB: 2004/09/22-1B.66-025			Soil	Test(s): 8260B QC Batch # 2004/09/22-1B.66 Date Extracted: 09/22/2004 08:25	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	09/22/2004 08:25	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	09/22/2004 08:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	09/22/2004 08:25	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	09/22/2004 08:25	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	09/22/2004 08:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	09/22/2004 08:25	
1,2-DCA	ND	0.0050	mg/Kg	09/22/2004 08:25	
EDB	ND	0.0050	mg/Kg	09/22/2004 08:25	
Benzene	ND	0.0050	mg/Kg	09/22/2004 08:25	
Toluene	ND	0.0050	mg/Kg	09/22/2004 08:25	
Ethyl benzene	ND	0.0050	mg/Kg	09/22/2004 08:25	
Total xylenes	ND	0.0050	mg/Kg	09/22/2004 08:25	
Ethanol	ND	0.10	mg/Kg	09/22/2004 08:25	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	76-124	%	09/22/2004 08:25	
Toluene-d8	97.4	75-116	%	09/22/2004 08:25	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Soil			QC Batch # 2004/09/21-2A.66				
LCS	2004/09/21-2A.66-031		Extracted: 09/21/2004			Analyzed: 09/21/2004 17:31				
LCSD	2004/09/21-2A.66-054		Extracted: 09/21/2004			Analyzed: 09/21/2004 17:54				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0647	0.0607	0.05	129.4	121.4	6.4	65-165	20		
Benzene	0.0625	0.0602	0.05	125.0	120.4	3.7	69-129	20		
Toluene	0.0561	0.0541	0.05	112.2	108.2	3.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	452	440	500	90.4	88.0		76-124			
Toluene-d8	474	486	500	94.8	97.2		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Laboratory Control Spike		Soil		QC Batch # 2004/09/22-1B.66	
LCS	2004/09/22-1B.66-023	Extracted:	09/22/2004	Analyzed:	09/22/2004 07:23
LCSD	2004/09/22-1B.66-003	Extracted:	09/22/2004	Analyzed:	09/22/2004 08:03

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0601	0.0639	0.05	120.2	127.8	6.1	65-165	20			
Benzene	0.0623	0.0608	0.05	124.6	121.6	2.4	69-129	20			
Toluene	0.0527	0.0583	0.05	105.4	116.6	10.1	70-130	20			
Surrogates(s)											
1,2-Dichloroethane-d4	453	456	500	90.6	91.2		76-124				
Toluene-d8	469	521	500	93.8	104.2		75-116				

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

09/28/2004 10:51

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2004/09/21-2A.66	
SB-17-10 >> MS		Lab ID:	2004-09-0439 - 002
MS: 2004/09/21-2A.66-046	Extracted: 09/21/2004	Analyzed:	09/21/2004 22:46
		Dilution:	1:00
MSD: 2004/09/21-2A.66-008	Extracted: 09/21/2004	Analyzed:	09/21/2004 23:08
		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	0.0611	0.0639	ND	0.049407	123.7	132.0	6.5	65-165	20		
Benzene	0.0587	0.0612	ND	0.049407	118.8	126.6	6.4	69-129	20		
Toluene	0.0525	0.0525	ND	0.049407	106.3	108.5	2.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	486	514		500	97.2	102.8		76-124			
Toluene-d8	487	479		500	97.4	95.8		75-116			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-17-W	09/13/2004 11:30	Water	7
SB-18-W	09/13/2004 13:20	Water	14

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

09/28/2004 10:52

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-17-W	Lab ID:	2004-09-0439 - 7
Sampled:	09/13/2004 11:30	Extracted:	9/24/2004 12:52
Matrix:	Water	QC Batch#:	2004/09/24-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/24/2004 12:52	
Benzene	ND	0.50	ug/L	1.00	09/24/2004 12:52	
Toluene	4.2	0.50	ug/L	1.00	09/24/2004 12:52	
Ethylbenzene	2.0	0.50	ug/L	1.00	09/24/2004 12:52	
Total xylenes	7.9	1.0	ug/L	1.00	09/24/2004 12:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/24/2004 12:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/24/2004 12:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/24/2004 12:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/24/2004 12:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/24/2004 12:52	
1,2-DCA	ND	0.50	ug/L	1.00	09/24/2004 12:52	
EDB	ND	0.50	ug/L	1.00	09/24/2004 12:52	
Ethanol	ND	50	ug/L	1.00	09/24/2004 12:52	
Surrogate(s)						
1,2-Dichloroethane-d4	112.8	76-130	%	1.00	09/24/2004 12:52	
Toluene-d8	93.5	78-115	%	1.00	09/24/2004 12:52	

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

09/28/2004 10:52

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-18-W	Lab ID:	2004-09-0439 - 14
Sampled:	09/13/2004 13:20	Extracted:	9/24/2004 15:54
Matrix:	Water	QC Batch#:	2004/09/24-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	55	50	ug/L	1.00	09/24/2004 15:54	
Benzene	ND	0.50	ug/L	1.00	09/24/2004 15:54	
Toluene	5.5	0.50	ug/L	1.00	09/24/2004 15:54	
Ethylbenzene	2.5	0.50	ug/L	1.00	09/24/2004 15:54	
Total xylenes	10	1.0	ug/L	1.00	09/24/2004 15:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/24/2004 15:54	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/24/2004 15:54	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/24/2004 15:54	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/24/2004 15:54	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/24/2004 15:54	
1,2-DCA	ND	0.50	ug/L	1.00	09/24/2004 15:54	
EDB	ND	0.50	ug/L	1.00	09/24/2004 15:54	
Ethanol	ND	50	ug/L	1.00	09/24/2004 15:54	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	76-130	%	1.00	09/24/2004 15:54	
Toluene-d8	107.5	78-115	%	1.00	09/24/2004 15:54	

Sewern 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

09/28/2004 10:52

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/09/24-1A.64
MB: 2004/09/24-1A.64-059		Date Extracted: 09/24/2004 07:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/24/2004 07:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/24/2004 07:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/24/2004 07:59	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/24/2004 07:59	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/24/2004 07:59	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/24/2004 07:59	
1,2-DCA	ND	0.5	ug/L	09/24/2004 07:59	
EDB	ND	0.5	ug/L	09/24/2004 07:59	
Benzene	ND	0.5	ug/L	09/24/2004 07:59	
Toluene	ND	0.5	ug/L	09/24/2004 07:59	
Ethylbenzene	ND	0.5	ug/L	09/24/2004 07:59	
Total xylenes	ND	1.0	ug/L	09/24/2004 07:59	
Ethanol	ND	50	ug/L	09/24/2004 07:59	
Surrogates(s)					
1,2-Dichloroethane-d4	96.4	76-130	%	09/24/2004 07:59	
Toluene-d8	104.2	78-115	%	09/24/2004 07:59	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Water	QC Batch # 2004/09/24-2A.66
MB: 2004/09/24-2A.66-045		Date Extracted: 09/24/2004 08:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/24/2004 08:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/24/2004 08:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/24/2004 08:45	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/24/2004 08:45	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/24/2004 08:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/24/2004 08:45	
1,2-DCA	ND	0.5	ug/L	09/24/2004 08:45	
EDB	ND	0.5	ug/L	09/24/2004 08:45	
Benzene	ND	0.5	ug/L	09/24/2004 08:45	
Toluene	ND	0.5	ug/L	09/24/2004 08:45	
Ethylbenzene	ND	0.5	ug/L	09/24/2004 08:45	
Total xylenes	ND	1.0	ug/L	09/24/2004 08:45	
Ethanol	ND	50	ug/L	09/24/2004 08:45	
Surrogates(s)					
1,2-Dichloroethane-d4	97.2	76-130	%	09/24/2004 08:45	
Toluene-d8	95.8	78-115	%	09/24/2004 08:45	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Water			QC Batch # 2004/09/24-1A.64				
LCS	2004/09/24-1A.64-014		Extracted: 09/24/2004			Analyzed: 09/24/2004 07:14				
LCSD	2004/09/24-1A.64-036		Extracted: 09/24/2004			Analyzed: 09/24/2004 07:36				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.5	26.6	25	102.0	106.4	4.2	65-165	20		
Benzene	25.1	24.8	25	100.4	99.2	1.2	69-129	20		
Toluene	26.1	26.6	25	104.4	106.4	1.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	470	480	500	94.0	96.0		76-130			
Toluene-d8	551	519	500	110.2	103.8		78-115			

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

09/28/2004 10:52

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B			Test(s): 8260B		
Laboratory Control Spike		Water		QC Batch # 2004/09/24-2A.66	
LCS	2004/09/24-2A.66-024	Extracted: 09/24/2004		Analyzed: 09/24/2004 08:00	
LCSD	2004/09/24-2A.66-023	Extracted: 09/24/2004		Analyzed: 09/24/2004 08:23	

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.9	28.0	25	103.6	112.0	7.8	65-165	20		
Benzene	27.1	28.0	25	108.4	112.0	3.3	69-129	20		
Toluene	22.8	23.5	25	91.2	94.0	3.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459	464	500	91.8	92.8		76-130			
Toluene-d8	473	471	500	94.6	94.2		78-115			

Sewern 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

09/28/2004 10:52

AB STL San francisc

SHELL Chain Of Custody Record

88851

Lab Identification (if necessary):

Address: 1220 Quarry Lane

City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT-HOUSTON

Karen Petryna

2004 09 0439

INCIDENT NUMBER (SIZE ONLY)

9 8 9 9 6 0 6 8

SAP or CRMT NUMBER (TS/CRMT)

1 3 6 0 1 9

DATE: 9/13/04

Page 1 of 2

SAMPLING COMPANY: Cambria Environmental		LAB CODE: CETO	SITE ADDRESS (Street and City): 1784 150th Street, San Leandro, CA		LABORATORY NO. (if applicable): T0600101230
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EQU DELIVERABLE TO (Responsible Party or Designee): shellicaldanand@cambria-env.com		PHONE NO. (if applicable): 510-420-0700	EMAIL (if applicable): stallone@cambria-env.com
PROJECT CONTACT (Responsible Party or Designee): Stu Dallee Garyl Weekley		SAMPLER NAME(S) (Print): Stu Dallee		CONSULTANT PROJECT NO. (if applicable): 245-0612-005	
TELEPHONE: 510-420-3324	FAX: 510-420-9170	EMAIL: sdallee@cambria-env.com		LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

REQUESTED ANALYSIS

LA - RWDOCB REPORT FORM USE AGENCY: _____

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING: All

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EGO IS NOT NEEDED

Please cc results to sdallee@cambria-env.com and cweekley@cambria-env.com

CA # USE	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TPH, Diesel	MTBE (0.250B - 0.5ppb RL)	S oxygenates	Ethanol (0.250B)	Methanol	EDB & 1,2-DGA (0.500B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (0.027B)	TPH (418.1)	Vapor VOCs: BTEX (10-15)	Vapor VOCs: Full List (10-15)	Vapor TPH (ASTM 3446m)	Vapor Fixed Gases (ASTM D1948)	Test for Disposal (48 -)	Test for Disposal; see attached	TPH - Diesel Extractable (0.015m)	MTBE (0.500B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME																						
	- SB-17-5'	9/13/04	9:20	Soil	1	X	X	X	X	X															On ICE Field point II
	- SB-17-10'		9:30	Soil	1																				
	- SB-17-15'		9:35	Soil	1																				
	- SB-17-70'		10:00	Soil	1																				
	- SB-17-25'		10:05	Soil	1																				
	✓ SB-17-35.5'		11:00	Soil	1																				
	- SB-17-W		11:30	W	300A																				

Requested by (Signature): <i>Stu Dallee</i>	Received by (Signature): Safe Location, Emeryville office refrigerator, Stewart Dallee	Date: 9/13/04	Time: 8:00 A.M.
Requested by (Signature): <i>Stu Dallee</i>	Received by (Signature): <i>Stu Dallee</i> STL-SF	Date: 9/15/04	Time: 8:05
Requested by (Signature): <i>Stu Dallee</i> STL-SF	Received by (Signature): <i>John Muller</i> STL-SF	Date: 9/15/04	Time: 11:15

CONTRIBUTION: White with first column, Green to File, Yellow and Pink to Client

10/18/99 REV 4.0

CSO Form 719 888-8700

AB STL San Francisco

SHELL Chain Of Custody Record

Lab Identification (if necessary)

Address 1220 Quarry Lane

City, State, Zip Pleasanton CA, 94566

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 COURT POSITION

Kristin Petryna

2004-09-0439

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 8

DATE: 9/13/04

SAR or CRMT NUMBER (S/CRMT)

1 3 6 0 1 9

Page 2 of 2

SAMPLING COMPANY: Cambria Environmental
 LOG CODE: CETO
 SITE ADDRESS (Street and City): 1784 150th Street, San Leandro, CA
 GLOBAL ID#S: T0600101230
 ADDRESS: 5900 Hollis St, Ste A, Emeryville, CA
 EOD DELIVERABLE TO (Responsible Party or Designee):
 PROJECT CONTACT (Individual or POF Reported): Stu Dallee Caryl Weekley
 SHELL CONTACT (Individual or POF Reported): shel@sanleandro@cambria-env.com
 PHONE NO: 510-420-0700
 FAX NO: 510-420-3324
 FAX: 510-420-9170
 EMAIL: sdallee@cambria-env.com
 cweekley@cambria-env.com
 SAMPLER NAME(S) (Print): Stu Dallee
 CONSOLE FAX (PHQ/CLY NO): 245-0612-006
 LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS):
 10-14 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCB REPORT FORM UST AGENCY: _____

CGMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST PER FOR DRING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EOD IS NOT NEEDED
 Please cc results to sdallee@cambria-env.com and cweekley@cambria-env.com

REQUESTED ANALYSIS:

TPH - Gas, Purgeable	STEX	TPH, Diesel	MTBE (8260B) - 0.5ppb RL	5 Oxygenates	Benzene (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021 B)	TRPH (418-1)	Vapor VOCs: STEX / MTBE (70-16)	Vapor VOCs: Full List (70-16)	Vapor TPH (ASTM 9416m)	Vapor Packed Gases: (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8016m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes On ICE Field print ID
----------------------	------	-------------	--------------------------	--------------	-----------------	----------	-----------------------	-----------------------------------	------------------------------------	--------------	---------------------------------	-------------------------------	------------------------	----------------------------------	-------------------------	---------------------------------	-----------------------------------	-------------------------------------	---

CA IR US	Field Sample Identification		SAMPLING		MATAK	NO. OF CONT.	TPH - Gas, Purgeable	STEX	TPH, Diesel	MTBE (8260B) - 0.5ppb RL	5 Oxygenates	Benzene (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021 B)	TRPH (418-1)	Vapor VOCs: STEX / MTBE (70-16)	Vapor VOCs: Full List (70-16)	Vapor TPH (ASTM 9416m)	Vapor Packed Gases: (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8016m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT	
	DATE	TIME	TEMPERATURE ON RECEIPT																								
	✓ SB-18-5'		9/13/04	11:45	Soil	1	X	X		X	X	X		X													21
	✓ SB-18-10'			11:55	Soil	1																					
	✓ SB-18-15'			12:00	Soil	1																					
	✓ SB-18-20'			12:00	Soil	1																					
	✓ SB-18-25'			12:00	Soil	1																					
	✓ SB-18-30'			1:00	Soil	1																					
	✓ SB-18-40'			1:20	Soil	1																					

Requested by (Signature): [Signature]
 Received by (Signature): [Signature]
 Date: 9/13/04
 Time: 5:00 PM - 8:00 AM

Requested by (Signature): Caryl Weekley
 Received by (Signature): [Signature] STL-SF
 Date: 9/15/04
 Time: 8:05

Requested by (Signature): [Signature] STL-SF
 Received by (Signature): Louann Muller STL SF
 Date: 9/15/04
 Time: 11:15

DISPOSITION: Write with final report, Green to File, Yellow and Pink to Client

15/10/04 Revision:

CSC/Spanke (754) 594-5273

Waste Disposal Samples

Cambria Environmental Emeryville

September 21, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 246-0612-008

Project: 98996068

Site: 1784 150th Street, San Leandro, CA

Dear Mr. Dalie:

Attached is our report for your samples received on 09/15/2004 08:05

This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/30/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

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

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A,B,C,D	09/13/2004 12:00	Soil	1

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SP-1A,B,C,D	Lab ID:	2004-09-0434 - 1
Sampled:	09/13/2004 12:00	Extracted:	9/16/2004 17:31
Matrix:	Soil	QC Batch#:	2004/09/16-4A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	5.1	1.0	mg/Kg	1.00	09/17/2004 15:00	upd
Surrogate(s)						
o-Terphenyl	91.0	60-130	%	1.00	09/17/2004 15:00	

Diesel (C9-C24)

Cambria Environmental Emeryville
Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
Method Blank		Soil		QC Batch # 2004/09/16-4A.10	
MB: 2004/09/16-4A.10-001		Date Extracted: 09/16/2004 17:31			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/17/2004 10:45	
Surrogates(s) o-Terphenyl	79.5	60-130	%	09/17/2004 10:45	

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 3550/8015M						Test(s): 8015M				
Laboratory Control Spike				Soil			QC Batch # 2004/09/16-4A.10			
LCS	2004/09/16-4A.10-002			Extracted: 09/16/2004			Analyzed: 09/17/2004 11:12			
LCSD	2004/09/16-4A.10-003			Extracted: 09/16/2004			Analyzed: 09/17/2004 11:40			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.6	33.1	41.5	76.1	79.8	4.7	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.3	16.5	20.0	81.5	82.3		60-130			

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Legend and Notes

Result Flag

upd

The compound(s) reported reflect(s) individual or discrete unidentified peaks detected in the diesel range. The pattern does not match a typical fuel standard.

Total Lead

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A,B,C,D	09/13/2004 12:00	Soil	1

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

09/20/2004 19:30

Total Lead

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-1A,B,C,D	Lab ID:	2004-09-0434 - 1
Sampled:	09/13/2004 12:00	Extracted:	9/15/2004 12:07
Matrix:	Soil	QC Batch#:	2004/09/15-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.4	1.0	mg/Kg	1.00	09/15/2004 20:54	

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

09/20/2004 19:30

Total Lead

Cambria Environmental Emeryville
Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 3050B		Test(s): 6010B			
Method Blank		Soil		QC Batch # 2004/09/15-02.15	
MB: 2004/09/15-02.15-093		Date Extracted: 09/15/2004 12:07			
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/15/2004 19:21	

Total Lead

Cambria Environmental Emeryville
Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 3050B					Test(s): 6010B					
Laboratory Control Spike			Soil			QC Batch # 2004/09/15-02.15				
LCS	2004/09/15-02.15-094		Extracted: 09/15/2004			Analyzed: 09/15/2004 19:25				
LCSD	2004/09/15-02.15-095		Extracted: 09/15/2004			Analyzed: 09/15/2004 19:29				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	106	103	100.0	106.0	103.0	2.9	80-120	20		

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A,B,C,D	09/13/2004 12:00	Soil	1

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

09/21/2004 10:29

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008

98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-1A,B,C,D	Lab ID:	2004-09-0434 - 1
Sampled:	09/13/2004 12:00	Extracted:	9/20/2004 22:30
Matrix:	Soil	QC Batch#:	2004/09/20-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	09/20/2004 22:30	
Benzene	ND	0.0050	mg/Kg	1.00	09/20/2004 22:30	
Toluene	ND	0.0050	mg/Kg	1.00	09/20/2004 22:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	09/20/2004 22:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	09/20/2004 22:30	
Surrogate(s)						
1,2-Dichloroethane-d4	86.5	76-124	%	1.00	09/20/2004 22:30	
Toluene-d8	95.0	75-116	%	1.00	09/20/2004 22:30	

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

09/21/2004 10:29

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B		Soil		Test(s): 8260B	
Method Blank				QC Batch # 2004/09/20-1A.62	
MB: 2004/09/20-1A.62-009				Date Extracted: 09/20/2004 16:09	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	09/20/2004 16:09	
Benzene	ND	0.0050	mg/Kg	09/20/2004 16:09	
Toluene	ND	0.0050	mg/Kg	09/20/2004 16:09	
Ethyl benzene	ND	0.0050	mg/Kg	09/20/2004 16:09	
Total xylenes	ND	0.0050	mg/Kg	09/20/2004 16:09	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	76-124	%	09/20/2004 16:09	
Toluene-d8	98.8	75-116	%	09/20/2004 16:09	

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

09/21/2004 10:29

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0612-008
98996068

Received: 09/15/2004 08:05

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2004/09/20-1A.62				
LCS	2004/09/20-1A.62-026		Extracted: 09/20/2004			Analyzed: 09/20/2004 15:26				
LCSD	2004/09/20-1A.62-047		Extracted: 09/20/2004			Analyzed: 09/20/2004 15:47				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0526	0.0545	0.05	105.2	109.0	3.5	69-129	20		
Toluene	0.0507	0.0582	0.05	101.4	116.4	13.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	472	472	500	94.4	94.4		76-124			
Toluene-d8	446	485	500	89.2	97.0		75-116			

AB STL San Francisco

SHELL Chain Of Custody Record

88852

Lab Identification (if necessary):

Address: 1220 Quarry Lane

City, State, Zip: Pleasanton, CA, 94566

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRUISE LOGISTICS

Karen Polynka

2004-09-0434

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 B

SAP or GRMT NUMBER (TS/GRMT)

1 3 6 0 1 9

DATE: 9/13/04

Page 1 of 2

SAMPLING COMPANY: Cambria Environmental		LOG CODE: CETO	SITE ADDRESS (Street and City): 1784 150th Street, San Leandro, CA		GLOBAL ID NO.: T0600101230
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EPA DELIVERABLE TO (Person/Company/Trailer): shell@cambridge.com		PHONE NO.: 510-420-0700	GLOBAL TARIFF PROJECT NO.: 246-0812-008
PRODUCED FACILITY (Industry or Ref. Isopropyl): Stu Dalfiel Caryl Weekley		SAMPLER NAME(S) (Print): Stu Dalfiel		E-MAIL: sdalfie@cambridge-env.com	
TELEPHONE: 510-420-3324	FAX: 510-420-9170	E-MAIL: sdalfie@cambridge-env.com		LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LAX RWQCB REPORT FORM TEST AGENCY:

COM'S MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EOD IS NOT NEEDED
 Please cc results to sdalfie@cambridge-env.com and cweekley@cambridge-env.com

REQUESTED ANALYSIS

LA # / US	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TPH, Diesel	MTBE (B2E0B - 0.5ppb RL)	5 oxygenates	Ethanol (B250B)	Methanol	EDB & 1,2-DCA (B260B)	EPA 503E Extraction for Volatiles	VOCs Halogenated/Aromatic (B021B)	TRPH (A16-1)	Vapor VOCs BTEX/MTBE (TC-15)	Vapor VOCs Full List (TC-15)	Vapor TPH (ASTM 2415m)	Vapor Fined Gases: (ASTM D1545)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (B015m)	MTBE (B260E) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes On ICE (Field point ID)	
		DATE	TIME																							
	- SP-1A	9/13/04	12	Soil	1	X	X																			
	- SP-1B	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	SP-1
	- SP-1C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	- SP-1D	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/13/04	Time: 9:00 AM
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/15/04	Time: 8:05
Retrieved by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/15/04	Time: 11:15

This information is business proprietary and confidential and must not be divulged or shared outside the company. The use of this information is strictly for the purpose of doing business with the Centralized Residual Management Team (CRMT). Upon termination of the relationship with the CRMT, this information is not to be forwarded, duplicated, shared or used for any purpose other than for the documentation of past actions.

RESIDUAL MANAGEMENT PROCEDURE

ISSUED DATE: 08/01/01
CANCELS ISSUE:
ISSUED BY: LRR

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE + DIESEL
VENDOR: ALLIED-BFI
LOCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

CALIFORNIA - TRANSPORTATION AND RETAIL

BTEX - EPA 8021B/8260B (IF BENZENE IS > OR = TO 10 MG/KG THEN TCLP BENZENE IS REQUIRED)

CAM METALS = TTLC METALS - lead only
STLC ON ALL TTLC METALS 10 TIMES STLC MAXIMUM
TTLC LEAD => 13 MG/KG REQUIRES ORGANIC LEAD ANALYSIS
IF ANY TTLC TOTAL METAL IS > OR = TO 20 TIMES TCLP REGULATORY LEVELS, TCLP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - GASOLINE AND DIESEL

~~MTBE METHOD 8260B (GC/MS)~~

AQUATIC BIOASSAY (FISH TOX) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPH. AQUATIC BIOASSAY (FISH TOX) = PART 800 OF STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER (15TH EDITION)

LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)
-ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE
-ALL REQUIRED TESTS ON COMPOSITE (MAX 4:1)
-LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS
~~MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM~~

PROCEDURE ORIGINAL DATE: 08/01/01
PROCEDURE REVISED DATE: 08/01/01

2004-09-0434

2502