150-156

Shell Oil Products US

April 29, 2004

eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Shell-branded Service Station**
1285 Bancroft Avenue
San Leandro, California

Dear Ms. chu:

Attached for your review and comment is a copy of the *Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection 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

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

20945 S. Wilmington Ave., Carson, CA 90810 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

April 29, 2004

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection Report**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #: 98996067
Project #: 246-0504-007

Dear Ms. chu:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Soil and Water Investigation, Monitoring Well Installation, and Irrigation Well Video Inspection Report* on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The report was conducted in accordance with Cambria's November 3, 2003 *Soil and Water Investigation Report, Work Plan and Site Conceptual Model,* which the Alameda County Health Care Services Agency (ACHCSA) approved in a letter dated November 7, 2003.

The objectives of this investigation were to further define the lateral and vertical extent of methyl tertiary butyl ether (MTBE) in groundwater and to provide for ongoing groundwater monitoring downgradient of the site. Additionally, an inspection of the off-site irrigation well (25L2) located downgradient of the site at 566 Estudillo (Figures 2) was to be conducted by video inspection to evaluate total depth and screen intervals. Cambria advanced four soil borings (two on site and two off site) and installed four monitoring wells (one on site and three off site). The site background, investigation procedures, investigation results, video inspection results, conclusions and recommendations are summarized below.

SITE BACKGROUND

Site Location: The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California (Figures 1 and 2). There are three underground storage tanks (USTs) on site, two dispenser islands, and one station building with three automobile service bays.

Cambria Environmental Technology, Inc.

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Surrounding Land Use: The area surrounding the site is primarily residential.

Local Topography: The site is approximately 65 feet above mean sea level and slopes very gently to the west, towards San Francisco Bay. San Leandro Creek is located approximately 500 feet northwest of the site.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range. The Hayward Fault Zone intersects the site. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During recent investigations at the site, soil consisted of silty clay, clayey silts and clayey sandy silt interlayed with sands and gravels to the total explored depth of 50 feet below grade (fbg).

Groundwater: Groundwater beneath the site typically flows in a westerly direction with seasonal variations to both the southwest and northwest. Depth to water beneath the site has historically ranged between 32 and 38 fbg.

Previous Investigations

Waste-Oil Tank Removal November 1986: In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (Blaine) of San Jose, California collected soil samples beneath the former tank location at 9 fbg. The soil samples contained 83 parts per million (ppm) petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, Blaine collected another soil sample at 9.5 fbg, which contained 89 ppm TOG. No groundwater was encountered in the tank pit.

Well Installation March 1990: In March 1990, Weiss Associates (WA) installed groundwater monitoring well MW-1 adjacent to the waste-oil tank. No petroleum constituents were detected in soil samples analyzed from boring MW-1. The maximum total petroleum hydrocarbons as gasoline (TPHg) concentration in groundwater from well MW-1 was 510 parts per billion (ppb).

Subsurface Investigation February 1992: In February 1992, WA advanced two soil borings upgradient and downgradient of the existing USTs and converted them into monitoring wells MW-2 and MW-3. A maximum TPHg concentration of 8,800 ppm was detected in boring BH-B, which was converted into monitoring well MW-2. No benzene was detected in this investigation.

Well Survey: WA included a ½-mile radius well survey with the report of the February 1992 subsurface investigation. A total of 21 wells were identified within ½ mile of the site. One domestic supply well was identified approximately ½ mile northeast (crossgradient) of the site.

One domestic or irrigation supply well was also identified within 500 feet west (cross- and downgradient) and another within 500 feet east (cross- and upgradient) of the site.

Dispenser Replacement Sampling October 1995: In October 1995, WA collected soil samples from beneath the former dispensers. A maximum TPHg concentration of 130 ppm was detected in soil sample D-2A, located 2 fbg beneath the northern dispenser-island. A maximum benzene concentration of 0.31 ppm was detected in soil sample L-1, located 2 fbg beneath the product piping lines on the south end of the site.

Well Installation May 1999: In May 1999, Cambria advanced four borings and converted them into groundwater monitoring wells MW-5, MW-6, MW-7, and MW-8. Soil samples collected from boring MW-5 contained maximum concentrations of 10.5 ppm TPHg at 40.5 fbg, 0.0475 ppm benzene at 35.5 fbg, and 2.25 ppm MTBE at 35.5 fbg.

Site Investigation and Risk Based Corrective Action (RBCA) Evaluation June 2000: At the request of ACHCSA, Cambria collected *in-situ* vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to off-site receptors posed by hydrocarbons originating from the site. ASTM Designation E-1739-95 guidelines for petroleum release sites were used to perform this evaluation. Six soil borings were drilled, and soil and soil vapor samples were collected. This evaluation showed that the calculated excess cancer risk posed by the site was below the target risk level of 1×10^{-6} and that off-site conditions at the time did not pose a significant risk to off-site occupants directly adjacent to the site. Cambria's June 27, 2001 *Investigation Report and Risk-Based Corrective Action Analysis* documents these findings.

Enhanced UST Testing April 2002: On April 2 and 3, 2002, Shell voluntarily conducted enhanced testing on the USTs at this site. Enhanced testing includes a VacuTect Tank Test of tanks under vacuum conditions. When the VacuTect test indicated a problem with the plus tank, the product was immediately transferred out of tank for investigation which included tank entry for visual inspections and further tank tests. No visible cracks were found, but additional layers of fiberglass were added to suspected problem areas. A passing VacuTect test was conducted. Cambria's October 15, 2002 *Subsurface Investigation Work Plan* indicated that the crack was detected in the secondary containment of the tank, but the tank is actually a single-wall vessel and, as previously mentioned, no crack was detected. A problem with the tank was only found during the VacuTect test, which does not necessarily indicate a leak condition.

Soil and Water Investigation and Site Conceptual Model 2003: From August 4 through August 7, 2003, Cambria supervised the advancement of six soil borings (SB-1 through SB-4, SB-6, and SB-7). The borings were advanced to a total depth of between 48 and 52.5 fbg to define vertical and lateral migration of the contaminate plume and to determine downgradient monitoring well locations. Soil sample results from the investigation indicated that neither

hydrocarbons nor MTBE have impacted unsaturated soil at or in the vicinity of the site. However, hydrocarbons and MTBE have impacted groundwater. The site conceptual model was updated and identified one potential downgradient receptor, irrigation well 2S/3W-25L1 located at 566 Estudillo, which is discussed below. Cambria's November 3, 2003 *Soil and Water Investigation Report, Work Plan and Site Conceptual Model* documents these activities.

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. Hospitals, and educational, childcare and residential care facilities were identified at approximately 140, 345, 650, and 670 feet from the site. Bancroft Middle School (1250 Bancroft Avenue) is located approximately 140 feet from the site. The Shelter for Women and Children (1395 Bancroft Avenue) is located approximately 345 feet from the site. Bancroft Convalescent Hospital (1475 Bancroft Avenue) is located approximately 650 feet from the site. Jones Convalescent Hospital (524 Callan Avenue) is located approximately 670 feet from the site.

To update the 1992 well survey performed by WA and updated by Cambria in 1998 and 1999, Cambria researched Department of Water Resources (DWR) records in September 2003, and located no additional well records for locations within ½ mile of the site. In addition to numerous wells listed as "irrigation" wells, a number of DWR records identified wells at residential addresses for which no use was listed. The 1992 WA well survey also reviewed Alameda County Public Works well database records, which also listed many of the wells identified in the DWR records search with unknown uses. In the Alameda County listing, several of the wells were listed as "domestic" type wells. Because "domestic" usage may include drinking-water uses, Cambria investigated all three identified downgradient wells within ½ mile with "domestic" usage noted in the Alameda County Public Works database report to clarify their actual use and current status.

The closest identified "domestic" water well (shown as 25L1 on Figure 1) is an 88-foot deep well installed in 1952, approximately 150 feet southwest of the site. This well is the active "irrigation" well identified at the adjacent property. Cambria confirmed that the well is used only for landscape irrigation by interviewing the property manager and inspecting the well. The next nearest "domestic" well is located approximately 390 feet east of the site (25K1 on Figure 1). Cambria interviewed the property owner's custodian, who verified the well's presence, but also verified that the well is not used. The next nearest "domestic" well is located approximately 1,425 feet south of the site (25P2 on Figure 1). Cambria met the property owner who verified that the well had not been used since the early 1980's when the well pump failed.

INVESTIGATION PROCEDURES

Cambria supervised the installation of four soil borings (two on site [SB-10 and SB-11] and two off site [SB-9 and SB-12]) and four monitoring wells (one on-site [MW-9] and three off-site [MW-10, MW-11, and MW-12]) (Figure 2). Gregg Drilling Inc. (Gregg) of Martinez California installed the soil borings using a direct-push drill rig, and the wells were installed using a hollow-stem-auger drill rig. Cambria's Standard Procedures for Geoprobe® soil sampling and monitoring well installations are included as Attachment A

Permits: Cambria obtained soil boring and monitoring well installation permits from the Alameda County Public Works Agency for all four soil borings and four wells (Permit #'s W04-0019, W04-0020, W04-0021, W04-0022, and W04-0023). As required by the City of San Leandro, Cambria also obtained an encroachment permit from the City in order to drill in the public right-of-way (Permit # 04016). Copies of the soil boring, well, and encroachment permits are included as Attachment B.

Soil Sampling Dates: February 10 through 13, 2004

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

Personnel Present: Stewart Dalie, Staff Geologist, Cambria
Rich Nessinger, Driller, Gregg

Number of Borings: Four: SB-9, SB-10, SB-11, and SB-12

Number of Wells: Four: MW-9, MW-10, MW-11, and MW-12

Boring Method: SB-9, SB-10, and SB-12 were advanced using a 2¼-inch diameter direct-push, Geoprobe® drill rig.

SB-11 was continuously sampled through 7-inch augers.

Drilling Method: MW-9 was installed using a 10-inch diameter hollow-stem auger. MW-10, MW-11, and MW-12 were installed using 8-inch diameter hollow-stem augers.

Boring Depths: All soil borings were advanced approximately 10 to 15 fbg into the saturated zone to total depths between 32 and 35 fbg (Attachment C).

Well Depths: MW-9 was installed to a total depth of 50 fbg, MW-10 was installed to a depth of 40 fbg, and MW-11 and MW-12 were installed to a total depth of 45 fbg (Attachment C).

Well Materials: MW-9 was constructed using 4-inch diameter, Schedule 40, PVC casing with 0.010 slotted screen. MW-10, MW-11, and MW-12 were constructed using 2-inch diameter, Schedule 40, PVC casing with 0.010-inch slotted screen. The filter pack consisted of #2/12 Monterey sand from 43 to 50 fbg in MW-9, 28 to 40 fbg in MW-10, and 38 to 45 fbg in MW-11 and MW-12. The annular space between the borehole and the casing was sealed with bentonite from 41 to 43 fbg in MW-9, from 26 to 28 fbg in MW-10, and from 36 to 38 fbg in MW-11 and MW-12. Portland Type I neat cement grout was used to seal the remainder of the annular space to surface grade. A traffic-rated well box was installed over each well. DWR Well Driller's Completion Reports are included as Attachment D.

Screened Interval: MW-9 was screened from 45 to 50 fbg in well-graded sand with gravel and clay with sand and silt. MW-10 was screened from 30 to 40 fbg in well-graded sand with gravel. MW-11 was screened from 40 to 45 fbg in well-graded gravel with sand and clayey sand, and MW-12 was screened from 40 to 45 fbg in sand, sandy silt, and clay. With the exception of well MW-10, 5-foot screens were installed on all the wells per the November 7, 2003 ACHCSA approval letter requesting (5-foot or less) screens within the contaminant plume (Attachment C). As originally proposed in Cambria's work plan, well MW-10 was installed with a 10-foot screen in a layer of sand with gravel because the exact depth of the contaminant plume was unknown in that location.

Well Elevation Survey: The top of casing elevations for monitoring wells MW-9 through MW-12 were surveyed on February 24, 2004 by Virgil Chavez Land Surveying of Vallejo, California. The benchmark for this survey was a disk in a monument well at the southeast corner of Estudillo Avenue and Bancroft Avenue. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).

Benchmark elevation = 65.098 feet (NGVD29). The well survey report is included as Attachment E.

Well Development: Blaine will develop the wells using surge-block agitation and pump evacuation. The wells will be developed at least 72 hours after installation and at least 72 hours prior to sampling. Blaine will sample the new wells during the regularly scheduled second quarter 2004 groundwater monitoring event.

Soil and Grab Groundwater Sampling Method: Soil samples were collected continuously using a direct-push drill rig with acetate liners for all borings except SB-11. Soil samples were collected from boring SB-11 using a split-spoon sampler with 2-inch brass tubes at the capillary fringe and at 5-foot intervals to 10 to 15 fbg into the saturated zone. Soil samples for the well locations were collected also at the capillary fringe and at every 5 feet to a total depth of approximately 10 to 15 feet into the saturated zone using the hollow-stem auger drill rig. Additional samples were collected based on field observations including lithologic changes, odor or staining. One grab groundwater sample was collected using a Teflon disposable bailer from soil borings SB-9, SB-10 and SB-11. No groundwater was encountered for sampling in boring SB-12.

Sediment Lithology: Soil encountered in the borings and well locations consisted predominantly of silt, clayey silts and silty clay with gravels and sands interlayered with silts and poorly graded gravels and sands to the total explored depth of 50 fbg (Attachment C).

Groundwater Depths: Groundwater was first-encountered between 30 and 35 fbg in all monitoring wells and soil borings except SB-12. No groundwater was encountered during the advancement of boring SB-12. Static groundwater depths in the soil borings and well locations were not recorded, as groundwater elevations measured very shortly after initial intrusion into the aquifer are typically inaccurate due to inadequate time for equilibration or to smearing of the borehole.

Chemical Analyses: State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California analyzed selected soil and grab groundwater samples collected from the borings and well

locations for TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE using EPA Method 8260B. The certified analytical laboratory report is included as Attachment F.

Stockpile Soil Sampling And Disposal: Soil cuttings produced from the borings were wrapped in plastic sheeting, labeled, and temporarily stockpiled on site. On February 23, 2004, the soil cuttings were transported as a non-hazardous waste stream by Manley and Sons Trucking Company of Sacramento, California, to Forward Landfill in Manteca, California for disposal (Attachment G).

INVESTIGATION RESULTS

Chemical Distribution in Soil: MTBE, TPHg, or BTEX were not detected in any soil samples collected during the current investigation except for samples from well locations MW-9 and MW-10. TPHg and benzene were detected only in the soil sample from on-site well MW-9 from a depth of 35 fbg at concentrations of 820 ppm and 1.0 ppm, respectively. Toluene was detected only in the soil samples from MW-9 at depths 35 fbg and 49.5 fbg at concentrations 2.3 ppm and 0.0061 ppm, respectively. Ethylbenzene and xylenes were detected only in soil samples from well MW-9 at depths of 35 fbg, 45 fbg, and 49.5 fbg. Ethylbenzene concentrations ranged from 12 ppm at 35 fbg to 0.0081 ppm at 45 fbg. Xylene concentrations ranged from 84 ppm at 35 fbg to 0.042 ppm at 45 fbg. MTBE was detected in the MW-9 soil samples at depths of 25 fbg, 30 fbg, and 35 fbg at concentrations of 0.071 ppm, 0.093 ppm, and 1.0 ppm, respectively. MTBE was also detected at a concentration of 0.017 ppm in a soil sample from off-site well MW-10 at a depth of 39.5 fbg. Since groundwater was encountered at approximately 35 fbg during the current investigation, all the hydrocarbon and/or MTBE impacted samples were from saturated soils or from within the capillary fringe, so the results may be more indicative of chemical concentrations in groundwater. This observation is consistent with results of previous investigations.

Analytical results for the soil samples collected during this and previous investigations are summarized in Table 1 and shown on Figure 2. The certified analytical laboratory report for this investigation is included as Attachment F.

Chemical Distribution in Groundwater: TPHg was detected only in the on-site grab groundwater samples SB-10-W and SB-11-W at concentrations of 1,100 and 2,600 ppb, respectively. Benzene and MTBE were detected only in the on-site grab groundwater sample

SB-11-W at concentrations of 9.1 and 76 ppb, respectively. No toluene, ethylbenzene, or xylenes were detected in any of the grab groundwater samples.

Analytical results for the grab groundwater samples collected during this and previous investigations are summarized in Table 2 and shown on Figure 2. The certified analytical laboratory report for this investigation is included as Attachment F.

VIDEO INSPECTION OF IRRIGATION WELL

Under Cambria's direction on February 2, 2004, Cruz Brothers Locators of Scotts Valley, California conducted a field video inspection of the irrigation well 2S/3W-25L1 located downgradient from the site at 566 Estudillo Avenue (Figure 2). This well was added to the site's quarterly monitoring and sampling program in the second quarter of 1999. The DWR well log for this well indicates that it is installed to a depth of 88 fbg; however, no additional well construction details are given. Discussion with the property manager confirmed that the well is not used for drinking water purposes. No TPHg, BTEX or MTBE was detected in this well until the third quarter of 2003, when 0.64 ppb MTBE was detected. During the fourth quarter of 2003, 1.1 ppb benzene, 3.5 ppb ethylbenzene, 5.7 ppb xylene, and 19 ppb MTBE were detected in the irrigation well sample. However, no TPHg, BTEX, or MTBE were detected in the well sample during the first quarter of 2004. At the time of the video inspection, the depth to water was approximately 31 fbg. The inside of the casing was heavily coated with fine-grained material, making it impossible to determine the top of the screen interval. No screen perforations were visible at or above the 31-fbg level of the water. A hole in the casing was observed at a depth of approximately 47 fbg. Occasional circular depressions which could be screen perforations were observed at approximately 64 fbg. Due to fine-grained debris in the bottom of the well casing, the maximum explorable depth of the well was 79 fbg.

CONCLUSIONS AND RECOMMENDATIONS

TPHg, BTEX, and MTBE were not detected in any soil samples collected from upgradient soil borings SB-9 through SB-11, from downgradient soil boring SB-12, or from wells MW-11 and MW-12. In wells MW-9 and MW-10, hydrocarbons and/or MTBE were detected only in soil samples from depths below the water table, so these results may be more indicative of chemical concentrations in groundwater. During this investigation, TPHg, BTEX, and MTBE were not detected in any of the deepest soil samples except for the soil sample from 39.5 fbg in MW-10, which contained 0.017 ppm of MTBE.

Based on the results of the current investigation and quarterly monitoring data, hydrocarbons in soil and groundwater are adequately defined both on site and off site. The highest chemical concentrations detected in groundwater during the current investigation were in on-site boring SB-11, located just east of the UST complex. Off site, chemical concentrations in the grab groundwater sample and soil samples were below laboratory reporting limits, with the exception of 0.017 ppm of MTBE in a soil sample from well MW-10 at a depth of 39.5 fbg. TPHg and benzene concentrations in soil and groundwater now appear to be defined in all directions.

Cambria will continue quarterly monitoring and sampling of all wells, including the irrigation well. The new wells will be added to the regular monitoring and sampling schedule starting in the second quarter of 2004. Cambria will also continue monthly dual-phase vapor extraction activities from wells MW-5 and MW-6.

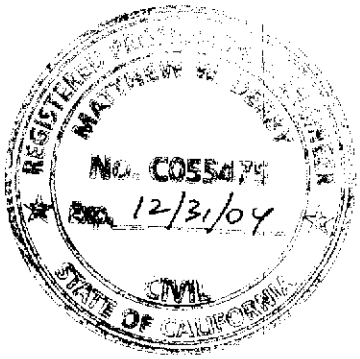
CLOSING

Please call Caryl Weekley at (510) 420-3324, if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Caryl Weekley, R.G.
Senior Project Geologist

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



Figures: 1 - Vicinity/Area Well Survey Map
2 - Site Plan

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

Attachments:
A - Standard Procedures for Geoprobe® Soil Sampling and Monitoring Well Installations
B - Permits
C - Boring Logs
D - Well Driller's Completion Reports
E - Virgil Chavez Well Survey Report
F - Certified Laboratory Analytical Reports
G - Soil Disposal Confirmation Report

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington, Carson CA 90810
Victor Lemon, City of San Leandro, Engineering and Transportation Division, 835 East 14th Street, San Leandro, CA. 94577
Mike Bakaldin, City of San Leandro, Environmental Division, 835 East 14th Street, San Leandro, CA. 94577
Ivan G. and Joanne Cornelius, 198 Juana Avenue, San Leandro CA 94577

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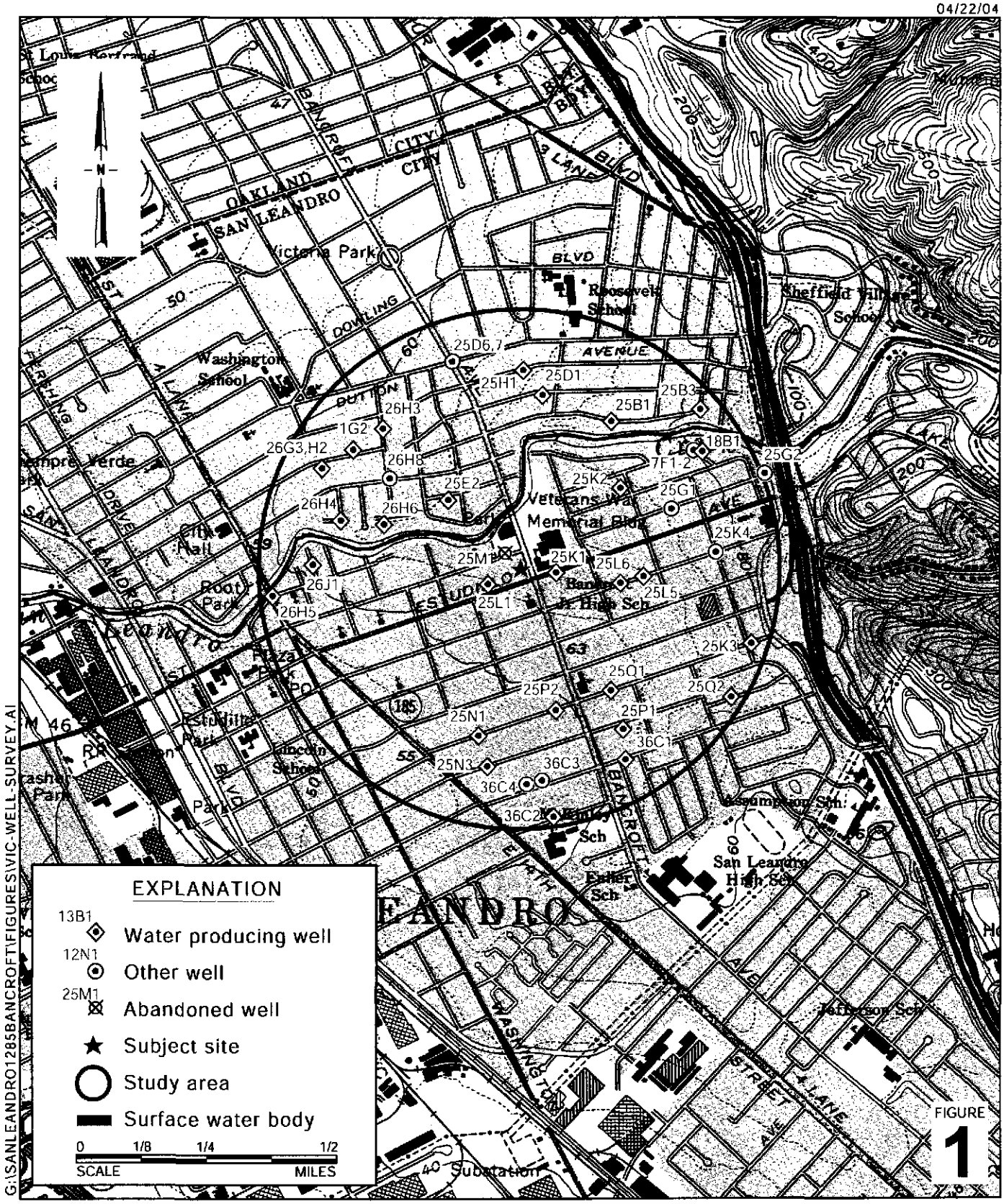

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

CAMBRIA

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

04/27/04

Site Plan

EXPLANATION

- MW-1 ✦ Monitoring well location
- ⊕ Irrigation well location
- SB-9 ◉ Soil boring location (2/04)
- Soil boring location (8/03)
- Attempted soil boring location (8/03)
- Soil vapor survey location (6/00)
- Soil boring location (WA, 1994)

0 25 50 100

Scale (ft)

SB-9: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
SB-9: WATER (ppb)			
---	<50	<0.50	<0.50

SB-10: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
25'	<1.0	<0.0050	<0.0050
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
SB-10: WATER (ppb)			
---	1,100	<2.5	<2.5

SB-11: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
25'	<1.0	<0.0050	<0.0050
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
SB-11: WATER (ppb)			
---	2,600	9.1	76

Nearest Sensitive Receptors Relative to Site

Domestic Well, confirmed not in use *(25K1, 150')*

Domestic Well, confirmed not in use *(25P2, 1,425')*

Irrigation Well (confirmed abandoned) *(25M1, 150')*

Domestic Irrigation Well, confirmed not in use *(25L1, 200')*

City of San Leandro Municipal Park

San Leandro Creek

centerline

Groundwater Flow Direction (4Q93 through 3Q03)

parking lot
609 Callan

1247 Bancroft

planter

6 8 5 7 dispensers 2 4 kiosk 1 3 canopy

MW-2

USTs

MW-3

former dispenser island (removed 1995)

MW-5

MW-8

Shell Station
1285 Bancroft

Waste Oil UST

MW-4

MW-1

MW-6

planter

driveway

MW-7

apts.
599 Callan

parking

apts.
572 Estudillo

apts.
597 Callan

grass

grass courtyard

apts.
566 Estudillo

grass courtyard

SB-12: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
25'	<1.0	<0.0050	<0.0050
30'	<1.0	<0.0050	<0.0050

apts.
595 Callan

parking

apts.
560 Estudillo

Irrigation well

driveway

MW-12: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
39.5'	<1.0	<0.0050	<0.0050
44.5'	<1.0	<0.0050	<0.0050

MW-9: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
10'	<1.0	<0.0050	<0.0050
15'	<1.0	<0.0050	<0.0050
20'	<1.0	<0.0050	<0.0050
25'	<1.0	<0.0050	0.071
30'	<1.0	<0.0050	0.093
35'	820	1.0	[illegible]
45'	<1.0	<0.0050	<0.0050
49.5'	<1.0	<0.0050	<0.0050

MW-10: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
39.5'	<1.0	<0.0050	0.017

MW-11: SOIL (ppm)			
Depth	TPHg	Benz.	MTBE
30'	<1.0	<0.0050	<0.0050
35'	<1.0	<0.0050	<0.0050
40'	<1.0	<0.0050	<0.0050
44.5'	<1.0	<0.0050	<0.0050

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FIGURE

2

Shell-branded Service Station

1285 Bancroft Avenue

San Leandro, California

Incident #98996067

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Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
BH-A (MW-1)	3/6/1990	9.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0020**
BH-A (MW-1)	3/6/1990	19.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	3/6/1990	29.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	3/6/1990	39.7	<1	**1.6**[b]	<0.0025	<0.0025	<0.0025		---	---	<0.0020
BH-A (MW-1)	3/6/1990	51.2	<1	---	<0.0025	<0.0025	<0.0025	**0.0057**	---	---	**0.0045**
BH-A (MW-1)	3/6/1990	61.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0043**
BH-B (MW-2)	2/6/1992	27.5	**1,500**	**1,000**[a]	<0.25	<0.25	**0.82**	**6.9**	---	---	<0.002
BH-B (MW-2)	2/6/1992	31.5	**12**	---	<0.0025	<0.0025	**0.0090**	**0.058**	---	---	---
BH-B (MW-2)	2/6/1992	36.5	**71**	**16**[a]	<0.025	<0.025	**0.056**	**0.21**	---	---	<0.002
BH-B (MW-2)	2/6/1992	41.5	**3,500**	---	<1.25	<1.25	**19**	**46**	---	---	---
BH-B (MW-2)	2/6/1992	44.5	**8,800**	**4,500**[a]	<2.5	<2.5	**72**	**170**	---	---	<0.002
BH-B (MW-2)	2/6/1992	48.5	**19**	---	<0.025	<0.025	<0.025	**0.092**	---	---	---
BH-C (MW-3)	2/7/1992	31.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
BH-C (MW-3)	2/7/1992	36.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-C (MW-3)	2/7/1992	41.5	**64**	---	<0.025	<0.025	<0.025	**0.25**	---	---	---
BH-C (MW-3)	2/7/1992	44.5	**45**	**29**[a]	<0.025	<0.025	<0.025	**0.25**	---	---	<0.002
BH-C (MW-3)	2/7/1992	48.5	**15**	---	<0.0025	<0.0025	<0.0025	**0.60**	---	---	---
BH-D	2/15/1994	25.8	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-D	2/15/1994	27.3	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	27.0	<1	<1	**0.0075**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	28.8	<1	<1	**0.015**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	15.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	20.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	25.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	30.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	35.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	40.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
BH-F (MW-4)	02/16/94	45.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	50.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	55.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
MW-5 (5.5)	05/18/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (10.5)	05/18/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (15.5)	05/18/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (20.5)	05/18/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (30.5)	05/18/98	30.5	<1.0	---	**1.08**	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (35.5)	05/18/98	35.5	**1.91**	---	**0.0475**	**<0.0050**	**0.0172**	**0.0159**	**4.68**	**2.25**	---
MW-5 (40.5)	05/18/98	40.5	**10.5**	---	**0.0279**	**0.486**	**0.179**	**1.02**	**0.093**	---	---
MW-5 (45.5)	05/18/98	45.5	**6.67**	---	**0.0264**	**0.0346**	**0.0298**	77	<0.050	---	---
MW-6 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (35.5)	05/17/98	35.5	**273**	---	**1.12**	**1.31**	**3.1**	**14.2**	**2.58**	**2.58**	---
MW-6 (40.5)	05/17/98	40.5	**96.1**	---	**0.665**	**1.07**	**1.25**	**5.51**	**1.31**	---	---
MW-6 (45.5)	05/17/98	45.5	**1.83**	---	**0.0151**	**0.0173**	**0.0141**	**0.0875**	**1.47**	---	---
MW-7 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (35.5)	05/17/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (40.5)	05/17/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (45.5)	05/17/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
MW-8 (5.5)	05/19/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (10.5)	05/19/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (15.5)	05/19/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (20.5)	05/19/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (25.5)	05/19/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (30.5)	05/19/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (35.5)	05/19/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (40.5)	05/19/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.212**	**0.210**	---
MW-8 (45.5)	05/19/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.0532**	---	---
B-1-6.5	06/26/00	6.5	**5.33**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00820**	<0.0500	---	---
B-1-17.5	06/26/00	17.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-20.5	06/26/00	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-25.0	06/26/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-35.5	06/26/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-2-6.0	06/26/00	6.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00960**	<0.00500	---	---
B-2-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00970**	<0.00500	---	---
B-2-15.0	06/26/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-21.0	06/26/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00890**	<0.00500	---	---
B-2-25.5	06/26/00	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-5.0	06/27/00	5.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-25.0	06/27/00	25.0	<1.00	---	<0.00500	**0.00730**	<0.00500	<0.00500	<0.00500	---	---
B-3-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-34.5	06/27/00	34.5	**3.03**	---	**0.0520**	**0.0228**	**0.0523**	**0.0333**	**0.436**	**0.120**	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
B-4-7.0	06/27/00	7.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-20.0	06/27/00	20.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-35.0	06/27/00	35.0	<1.00	---	**0.0422**	<0.00500	**0.0152**	<0.00500	**0.162**	**0.243**	---
B-5-7.0	06/27/00	7.0	<1.00	---	<0.00500	**0.00750**	<0.00500	<0.00500	<0.00500	---	---
B-5-10.5	06/27/00	10.5	**21.5**	---	<0.00500	**0.430**	<0.00500	<0.00500	<0.00500	---	---
B-5-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-34.5	06/27/00	34.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	**0.135**	**0.0425**	---
B-5-38.5	06/27/00	38.5	**2.82**	---	**0.0398**	**0.0142**	**0.0744**	**0.299**	**0.251**	**0.0536**	---
B-6-6.5	06/27/00	6.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-10.5	06/27/00	10.5	**3.92**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-16.5	06/27/00	16.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-20.5	06/27/00	20.5	<1.00	---	<0.00500	**0.00950**	<0.00500	**0.00700**	<0.00500	---	---
B-6-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-35.5	06/27/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
SB-1-31'	08/04/03	31	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-33'	08/04/03	33	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-35'	08/04/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-40'	08/04/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-45'	08/04/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-47.5'	08/04/03	47.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
SB-2-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-32'	08/05/03	32	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-45'	08/05/03	45	<1.0	---	<0.0050	**0.012**	<0.0050	**0.023**	---	**0.088**	---
SB-2-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.050**	---
SB-3-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-45'	08/05/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-5[c]	08/05/03	---	---	---	---	---	---	---	---	---	---
SB-6-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-35'	08/07/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0087**	---
SB-6-37'	08/07/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-40'	08/07/03	40	**5.5**	---	<0.0050	<0.0050	**0.022**	<0.0050	---	**0.036**	---
SB-6-45'	08/07/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0063**	---
SB-6-50'	08/07/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-10'	08/07/03	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
SB-7-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.065**	---
SB-7-35'	08/07/03	35	**2.2**	---	**0.0076**	<0.0050	**0.014**	**0.017**	---	**0.25**	---
SB-7-51.5'	08/07/03	51.5	<1.0	---	<0.0050	<0.0050	<0.0050	**0.016**	---	<0.0050	---
SB-8[(c)]	08/05/03	---	---	---	---	---	---	---	---	---	---
SB-9-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-9-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-25'	02/12/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-10-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-11-35'	02/11/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-12-25'	02/13/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-12-30'	02/13/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-10'	02/11/04	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-15'	02/11/04	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-20'	02/11/04	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-9-25'	02/11/04	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.071**	---
MW-9-30'	02/11/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.093**	---
MW-9-35'	02/11/04	35	**820**	---	**1.0**	**2.3**	**12**	**84**	---	**1.0**	
MW-9-45'	02/11/04	45	<1.0	---	<0.0050	<0.0050	**0.0081**	**0.042**	---	<0.0050	---
MW-9-49.5	02/11/04	19.5	<1.0	---	<0.0050	**0.0061**	**0.0093**	**0.049**	---	<0.0050	---
MW-10-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-10-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-10-39.5'	02/10/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.017**	---
MW-11-30'	02/10/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-11-35'	02/10/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-11-40'	02/10/04	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
MW-11-44.5'	02/10/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-30'	02/12/04	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-35'	02/12/04	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-39.5	02/12/04	39.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
MW-12-44.5	02/12/04	44.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. Prior to August 7, 2003, samples analyzed by modified EPA Method 8015; subsequently analyzed by EPA Method 8260B.

TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015

MTBE = Methyl tertiary butyl ether.

PCE = Tetrachloroethene analyzed by EPA Method 8010.

fbg = feet below grade.

ppm = parts per million (milligrams per kilogram).

<**n** = Below detection limit of **n** parts per million.

--- = Not analyzed.

Notes:

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8020 prior to August 7, 3003; subsequently analyzed by EPA Method 8260B.

a = Laboratory reported that the detected compound is a hydrocarbon lighter than diesel.

b = no total petroleum hydrocarbons as motor oil detected at modified EPA method 8015 detection limit of 10 ppm

c = boring attempted however not feasible due to subsurface or overhead obstruction

Selected samples from soil borings BH-A through BH-F were analyzed for petroeum oil and grease by American Public Health Association (APHA) Standard Method 503E

Table 2. Historical Groundwater Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA (ppb)	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
B-1-W	06/26/00	---	<50	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---
B-2-W	06/26/00	---	<50	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---
SB-1-W	08/04/03	38	<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-2-W	08/05/03	38	<5,000	<50	<50	<50	<100	**2,000**	<500	<200	<200	<200	<50	<50	<5,000
SB-3-W	08/05/03	37	**63**	<0.50	<0.50	<0.50	**3.6**	**3.5**	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-4-W	08/05/03	37	<50	<0.50	<0.50	<0.50	**1.7**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-6-W	08/07/03	37	**3,800**	**5.1**	<0.50	**12**	**2.1**	**58**	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-7-W	08/07/03	38	**1,200,000**	**7,800**	**38,000**	**20,000**	**130,000**	**6,000**	<10,000	<4,000	<4,000	<4,000	<1,000	<1,000	<1,000,000
SB-9-W	02/12/04	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	---	---	---
SB-10-W	02/12/04	---	**1,100**	<2.5	<2.5	<2.5	<5.0	<2.5	---	---	---	---	---	---	---
SB-11-W	02/12/04	---	**2,600**	**9.1**	<5.0	<5.0	<10	**76**	---	---	---	---	---	---	---

Abbreviations and Notes:

ppb = parts per billion

TPHg = Total Petroleum Hydrocarbons as gasoline, analyzed by EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B.

TBA = tert-Buty;-alcohol

DIPE = Di-isopropyl Ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl methyl ether

1,2 DCA = 1,2 Di chloro alcohol

EDB = Ethylene di-brohmide

Ethanol.

--- = Not analyzed

ATTACHMENT A

Standard Procedures for Geoprobe® Soil Sampling and Monitoring Well Installations

CAMBRIA

STANDARD FIELD PROCEDURES FOR GEOPROBE® SOIL SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. 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 separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed 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.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. 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 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 quality assurance/quality control (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.

CAMBRIA

STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATION

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

Well Construction and Surveying

Groundwater monitoring wells are installed in soil borings to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two ft above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I,II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security. The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and 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. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

ATTACHMENT B

Permits

MISC

Service No. _____

CITY OF SAN LEANDRO
APPLICATION TO PERFORM WORK IN THE PUBLIC RIGHT-OF-WAY

04016
Permit Number
1/14/03
Date Approved

Work Site: 1285 Bancroft Ave, San Leandro, CA (ESTUDILLO FRONTAGE)
Applicant: Name Cambria Environmental Address 5900 Hollis St. Ste A Emeryville CA Tel. 510 420 3339
Owner: Name (US) Shell Oil Products Co Address 20945 Wilmington Ave, Carson CA Tel. 559 645 9306
Emergency: Name Stu Dalie "Cambria" Mobile 510 750 0206 Tel. 510 420 3339

Purpose of Permit:
☐ Utility ☐ Street Excavation ☐ Curb, Gutter, Sidewalk, Driveway ☒ Other Well installation

Detailed Description and Dimensions of Work: 2 monitoring well to be installed to 50', 10" in dia, in public right-of-way on Estudillo Ave, in parking lanes

Plan Submitted: Yes X No _____ Profile Submitted: Yes X No _____
Date Work to be Started: 2/10/03 Date Work to be Completed: 2/13/03
Building Permit No: _____ State Encroachment Permit No. ( )
Oro Loma Permit No. _____ Alameda County Flood Control Permit No. _____
Excavation and Grading Permit No. _____

Compliance with State Labor Code, in accordance with Section 3800: Alameda County Public Works Dept Permit #'s W04-0019 THRU 0023

☒ Applicant has on file with the City of San Leandro evidence that worker's compensation insurance is carried.
☒ Applicant will not employ anyone and therefore will not be subject to the worker's compensation laws of California.

Statement of State Contractor's License, In accordance with Section 7031.5 of the State Business and Professions Code:

☒ Applicant has State License No. 485-165, Class C-57 in full force and effect.
☐ Applicant is exempt from the State Contractor's License Law for the following reason(s):

☒ Applicant has City of San Leandro Business License No. _____

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment for all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Printed Name: Stewart Dalie Signature: [signature] Date: 1/5/04

PLEASE CALL (510) 577-3308 FOR INSPECTIONS 24 HOURS PRIOR TO WORK

SPECIAL PROVISIONS

Backfill Required ALL WORK PER CITY GENERAL PROVISIONS, PERMIT IS VALID WHEN SIGNED
Pavement Section Required ALSO SEE Art. 12" ☐ Col 9" ☐ Res. 6" ☐
Minimum Depth of Cover ATTACHED SPECIAL CONDITIONS
☒ Traffic Control
Police & Fire Dept. to be notified 24 hours prior to start: YES ✓ NO
PEDESTRIAN SAFETY AND TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. HOURS OF WORK: 9AM TO 3:00PM NO WORK TO TAKES PLACE OUTSIDE OF THESE HOURS
SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK SCHOOL IN AREA.

Any omission on the part of the City to specify on this permit any rule, regulation, provision, or specification shall not excuse the permittee from complying with all requirements of law and appropriate ordinances and all applicable regulations, provisions, and specifications adopted by the City.

ISSUE FOR CITY ENGINEER
Victor Lemmon

INSPECTION RECORD

Date	Comments	Insp	Hrs. Charged

NOTE: ½ hr. minimum charge per inspection stop
Hours forwarded from reverse side _____
TOTAL HOURS CHARGED: _____

FEES
PERMIT FEE $50 To Acct #3306
RESTORE/INSPECT DEPOSIT: $1150 To CN# _____
STREET CUT FEE: _____ To Acct #3304
TOTAL: $1200
☐ All charges collected at permit issuance
☐ All charges to be billed to CN# 15913

$500 ENVIRONMENTAL REPORT DEPOSIT WILL BE REFUNDED AFTER ENVIRONMENTAL REPORT RECEIVED BY CITY OF S.L. ENVIRONMENTAL SERVICES.

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 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

LOCATION OF PROJECT 1285 Bancroft San Leandro, CA.

CLIENT
Name Shell Oil Products Co. (US)
Address 20945 Wilmington Ave Phone (559) 645-9309
City Carson, CA. Zip 90810

APPLICANT
Name Cambria Environmental Fax (510) 420-9170
Address 5900 Hollis St. Ste A Phone (510) 420-3339
City Emeryville CA Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	X 4 soil borings
Monitoring	☐	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	X geoprobe, direct push		

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C-57 485165

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

GEOTECHNICAL PROJECTS
Number of Borings 4 Maximum
Hole Diameter 3 in. Depth 45 ft.

STARTING DATE 2/10/04
COMPLETION DATE 2/13/04

boring #'s
SB-9
SB-10
SB-11
SB-12

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

APPLICANT'S SIGNATURE [signature] DATE 1/5/04
PLEASE PRINT NAME Stewart A. Dalis IV

Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER W04-0019
WELL NUMBER ____
APN ____

PERMIT CONDITIONS
Circled Permit Requirements Apply

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

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

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

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

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

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

G. SPECIAL CONDITIONS B #1

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

APPROVED [signature] DATE 1-8-04

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 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

LOCATION OF PROJECT 1285 Bancroft San Leandro, CA.

CLIENT
Name Shell Oil Products Co. (US)
Address 20945 Wilmington Phone (559) 645-9509
City Carson, CA Zip 90810

APPLICANT
Name Cambria Environmental
Fax (510) 420-9170
Address 5900 Hollis St Ste A Phone (510) 420-3339
City Emeryville CA Zip 94608

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

New Domestic		Replacement Domestic	
Municipal		Irrigation	
Industrial		Other	

DRILLING METHOD:

Mud Rotary		Air Rotary		Auger	X
Cable		Other			

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 50 ft.
Surface Seal Depth 95 ft. Owner's Well Number MW-9

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum
Hole Diameter ____ in. Depth ____ ft.

STARTING DATE 2/10/04
COMPLETION DATE 2/13/04

FOR OFFICE USE
PERMIT NUMBER WO4-0020
WELL NUMBER MW-9
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

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

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and Irrigation wells unless a lesser depth is specially approved.

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

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

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

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

(G.) SPECIAL CONDITIONS MW#1

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

APPROVED [signature] DATE 1-8-04

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

APPLICANT'S SIGNATURE [signature] DATE 1/5/04

PLEASE PRINT NAME Stewart A. Dahl IV Rev.9-18-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 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

LOCATION OF PROJECT 1285 Bancroft San Leandro, CA.

CLIENT
Name Shell Oil Products (a. (US)
Address 20945 Wilmington Ave Phone (559) 645-9309
City Carson, CA Zip 90810

APPLICANT
Name Cambria Environmental
Address 5900 Hollis St Ste A Fax (510) 420-9170
City Emeryville CA Phone (510) 420-3339
Zip 94608

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

New Domestic		Replacement Domestic	
Municipal		Irrigation	
Industrial		Other	

DRILLING METHOD:

Mud Rotary		Air Rotary		Auger	X
Cable		Other			

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 40 ft.
Surface Seal Depth 30 ft. Owner's Well Number MW-10

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum
Hole Diameter ____ in. Depth ____ ft.

STARTING DATE 2/10/04
COMPLETION DATE 2/13/04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE [signature] DATE 1/5/04
PLEASE PRINT NAME Stewart A. Dalis IV Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER W04-0021
WELL NUMBER MW-10
APN ____

PERMIT CONDITIONS

Circled Permit Requirements Apply

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

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

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

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

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

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

(G.) SPECIAL CONDITIONS MW#1

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

APPROVED [signature] DATE 1-8-04

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 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

LOCATION OF PROJECT 1285 Bancroft San Leandro, CA.

CLIENT
Name Shell Oil Products Co. (US)
Address 20945 Wilmington Phone (559) 645-9509
City Carson, CA Zip 90810

APPLICANT
Name Cambria Environmental Fax (510) 420-9170
Address 5900 Hollis St Ste A Phone (510) 420-3339
City Emeryville CA Zip 94608

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

New Domestic		Replacement Domestic	
Municipal		Irrigation	
Industrial		Other	

DRILLING METHOD:

Mud Rotary		Air Rotary		Auger	X
Cable		Other			

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 45 ft.
Surface Seal Depth 35 ft. Owner's Well Number MW-11

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum
Hole Diameter ____ in. Depth ____ ft.

STARTING DATE 2/10/04
COMPLETION DATE 2/13/04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE [signature] DATE 1/5/04
PLEASE PRINT NAME Stewart A. Dale IV

FOR OFFICE USE
PERMIT NUMBER WO4-0022
WELL NUMBER MW-11
APN ____

PERMIT CONDITIONS
Circled Permit Requirements Apply

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

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

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

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

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

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

G. SPECIAL CONDITIONS MW#1

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

APPROVED [signature] DATE 1-8-04

Rev.9-18-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 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

LOCATION OF PROJECT 1285 Bancroft San Leandro, CA

CLIENT
Name Shell Oil Products Co. (US)
Address 20945 S. Wilmington Ave Phone (559) 645-9309
City Carson, CA Zip 90810

APPLICANT
Name Cambria Environmental Fax (510) 420 9170
Address 5900 Hollis St. Ste A Phone (510) 420-3339
City Emeryville CA Zip 94608

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	X
Cable	☐	Other	☐		

DRILLER'S NAME Gregg Drilling & Testing
DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 4 in. Depth 45 ft.
Surface Seal Depth 35 ft. Owner's Well Number MW-12

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum
Hole Diameter ____ in. Depth ____ ft.

STARTING DATE 2/10/04
COMPLETION DATE 2/13/04

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

APPLICANT'S SIGNATURE [signature] DATE 1/5/04
PLEASE PRINT NAME Stewart A. Dalie IV

Rev.9-18-02

FOR OFFICE USE

PERMIT NUMBER W04-0023
WELL NUMBER MW-12
APN ____

PERMIT CONDITIONS

Circled Permit Requirements Apply

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

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

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

G. SPECIAL CONDITIONS MW#1

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

APPROVED [signature] DATE 1-8-04

ATTACHMENT C

Boring Logs

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	66.03
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	65.55 ft
BORING DIAMETER	10"	**SCREENED INTERVAL**	45 to 50 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (10-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						GM		**Asphalt.**	0.6
						GM		**Silty GRAVEL**; (GM); Light brown; loose; dry; 30% silt, 70% gravel.	1.0
						ML		**Clayey SILT**; (ML); Dark brown; soft; dry; 45% clay, 55% silt; low plasticity.	
0		NA	MW-9 5'		5				
									7.5
						CL		**CLAY**; (CL); Dark brown; medium stiff; dry; 90% clay, 10% silt.	
0		NA	MW-9 10'		10				
0		NA	MW-9 15'		15				
									17.5
						ML		**Clayey SILT**; (ML); Light brown; medium dense; dry; 35% clay, 55% silt, 10% sand.	
0		NA	MW-9 20'		20				
0		NA	MW-9 25'		25				
									25.0
						CL		**CLAY**; (CL); Olive gray (stained); very stiff; dry; 95% clay, 5% silt; strong hydrocarbon odor.	
0		NA	MW-9 30'		30				
									32.5
						GC		**Clayey GRAVEL**; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor.	
					35			▽	35.0

WELL DIAGRAM: Portland Type I/II; 4" diam., Schedule 40 PVC

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
51		NA	MW-9 35'			SP		**Poorly graded SAND**; (SP); Olive gray (stained); loose; wet; 100% sand; strong hydrocarbon odor.	35.2	
						GC		**Clayey GRAVEL**; (GC); Olive gray (stained); medium stiff; wet; 40% clay, 60% gravel; strong hydrocarbon odor. No recovery	37.5	
		NA	MW-9 40'		40					Bentonite Seal
						GC		**Clayey GRAVEL**; (GC); Olive gray (stained); soft; wet; 30% clay, 70% gravel; strong hydrocarbon odor.	42.5	
78		NA	MW-9 45'		45	SW		**Well graded SAND with Gravel**; (SW); Olive gray (stained); loose; wet; 80% sand, 20% gravel.	45.0	Lonestar Sand #2/12
						CL		**CLAY with Sand and Silt**; (CL); Light brown; very stiff; damp to moist; 60% clay, 15% silt, 25% sand.	47.5	4"-diam., 0.010" Slotted Schedule 40 PVC
10			MW-9 49.5'		50				50.0	Bottom of Boring @ 50 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	64.80
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	64.36 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	30 to 40 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	30.0 ft (11-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Asphalt.	1.0
					GM	**Silty GRAVEL**; (GM); Brown; medium dense; dry; 40% silt, 60% gravel.	2.3
						SILT; (ML); Grayish brown; medium dense; dry; 5% clay, 90% silt, 5% sand.	
0		NA	MW-10 -5'	5	ML		
							7.5
						CLAY with Silt; (CL); Dark brown; medium stiff; dry; 75% clay, 25% silt.	
0		NA	MW-10 -10'	10	CL		
0		NA	MW-10 -15'	15			
							17.5
						Clayey SILT; (ML); Dark brown; medium dense; dry; 35% clay, 65% silt.	
0		NA	MW-10 -20'	20	ML		
							22.5
						Silty CLAY; (CL); Brown; medium stiff; wet; 55% clay, 35% silt, 10% sand.	
0		NA	MW-10 -25'	25	CL		
0		NA	MW-10 -30'	30			
							32.5
						Well graded SAND with Gravel; (SW); Dark gray; loose; wet; 80% sand, 20% gravel.	
				35			

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC; Bentonite Seal; Lonestar Sand #2/12

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-10 -35'			SW				2"-diam., 0.010" Slotted Schedule 40 PVC
0		NA	MW-10 -40'		40				40.0	Bottom of Boring @ 40 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	63.94
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	63.54 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	40 to 45 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (10-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	1.0	
						GW		**Well graded GRAVEL**; (GW); Dark brown; dry; 100% Gravel.	3.5	
0		NA	MW-11 -5'		5			**CLAY with Silt**; (CL); Dark brown; medium stiff; dry; 85% clay, 15% silt; low plasticity.		
0		NA	MW-11 -10'		10					
0		NA	MW-11 -15'		15	CL		Clay with little to no fines.		Portland Type I/II
0		NA	MW-11 -20'		20					2" diam., Schedule 40 PVC
0		NA	MW-11 -25'		25			Silted clay with fine sand; dark brown; soft; damp; 60% clay, 25% silt, 15% sand; low plasticity.		
0		NA	MW-11 -30'		30					
					35			**Clayey SAND**; (SC); Light grayish brown; loose; wet; 20% clay, 10% silt, 60% sand, 10% gravel. ▽	32.5	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		NA	MW-11 -35'			SC				
									37.5	Bentonite Seal
								Well graded GRAVEL with Sand; (GW); Light brown; loose; wet; 25% sand, 75% gravel.		
0		NA	MW-11 -40'		40	GW				Lonestar Sand #2/12
									42.5	2"-diam., 0.010" Slotted Schedule 40 PVC
								Clayey SAND; (SC); Light brown; loose; wet; 30% clay, 60% sand, 10% gravel.		
						SC				
0		NA	MW-11 -44.5'		45				45.0	Bottom of Boring @ 45 ft

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65.97
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	65.58 ft
BORING DIAMETER	8"	**SCREENED INTERVAL**	40 to 45 ft bgs
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (12-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
						GW		**Asphalt.**	0.6	
						GW		**Well graded GRAVEL**; (GW); Brown; loose; dry; 100% Gravel.	1.0	
								Silty CLAY; (CL); Dark brown to black; stiff; dry; 80% clay, 20% silt.		
0		NA	MW-12 -5'		5					
0		NA	MW-12 -10'		10					
						CL				
0		NA	MW-12 -15'		15			Clay with little to no fines.		Portland Type I/II
0		NA	MW-12 -20'		20			Silty clay with fine sand; Grayish brown; medium stiff; dry; 65% clay, 35% silt.		2" diam., Schedule 40 PVC
0		NA	MW-12 -25'		25					
									27.5	
						ML		**Clayey SILT**; (ML); Light brown; soft; damp; 45% clay, 55% silt; low plasticity.		
0		NA	MW-12 -30'		30				32.5	
						SC		**Clayey SAND**; (SC); Light brown; medium dense; damp to moist; 30% clay, 70% sand; low plasticity.		
					35					

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Continued Next Page

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
0		NA	MW-12 -35'			CL		**CLAY**; (CL); Light brown; very stiff; wet; 95% clay, 5% sand.	35.5
						SW		**Well Graded SAND with Gravel**; (SW); Light brown; loose; wet; 80% sand, 20% gravel.	37.5
0		NA	MW-12 -40'		40	SC		**Clayey SAND**; (SC); Brown; medium dense; wet; 20% clay, 80% sand.	40.2
						ML		**Sandy SILT with Clay**; (ML); Brown; medium dense; wet; 15% clay, 55% silt, 30% sand.	42.5
0		NA	MW-12 -44.5'		45			**CLAY**; (CL); Brown; very still; wet; 95% clay, 5% silt.	44.0
									45.0

WELL DIAGRAM

- Bentonite Seal
- Lonestar Sand #2/12
- 2"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 45 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-9
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	12-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	12-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (12-Feb-04) ▽
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	0.6	
0		NA	SB-9-5'		5	ML		**Sandy SILT**; (ML); Brown; loose; dry; 65% silt, 35% sand.		
0		NA	SB-9-10'		10			**Clayey SILT**; (ML); Dark brown; medium dense; dry; 30% clay, 70% silt.	12.5	
0		NA	SB-9-15'		15	CL		**CLAY with Silt**; (CL); Dark brown; very stiff; dry; 80% clay, 15% silt, 5% fine sand.	17.5	
						SP		**Poorly Graded SAND**; (SP); Dark brown; loose; dry; 100% sand.	20.3	
0		NA	SB-9-20'		20	GW		**Well graded GRAVEL with Sand**; (GW); Dark brown; loose; dry; 45% sand, 55% gravel.		
0		NA	SB-9-25'		25				27.5	
						GM		**Silty GRAVEL with Sand**; (GM); Brown; loose; dry; 25% silt, 15% sand, 60% gravel.	32.5	
0		NA	SB-9-30'		30	SC		**Clayey SAND**; (SC); Brown; soft; damp; 20% clay, 75% sand, 5% gravel; low plasticity.	34.0	
						CL		**CLAY**; (CL); Brown; very stiff; wet; 75% clay, 5% sand. ▽	35.0	
0			SB-9-34.5'		35					Bottom of Boring @ 35 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-10
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	10-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	10-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	33.0 ft (10-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.	0.6	
								Silty CLAY; (CL); Dark brown; medium stiff; dry; 80% clay, 40% silt.		
0		NA	SB-10 -5'		5					
0		NA	SB-10 -10'		10	CL				
0		NA	SB-10 -15'		15					
0		NA	SB-10 -20'		20			Silty clay with sand; light brown; medium stiff; dry; 60% clay, 25% silt, 15% sand.	22.5	
0		NA	SB-10 -25'		25	SW		**Well graded SAND with Gravel**; (SW); Dark gray; loose; dry; 80% sand, 20% gravel.	27.6	
						SC		**Clayey SAND**; (SC); Light brown; soft; damp; 45% clay, 55 % sand; low plasticity.	29.5	
0		NA	SB-10 -30'		30	CL		**CLAY**; (CL); Dark brown; very stiff; dry; 95% clay, 5% silt.	32.5	
						SC		**SAND with Clay**; (SC); Dark brown; loose; wet; 25% clay, 65% sand, 10% gravel; low plasticity.	35.0	
0			SB-10 -34.5'		35					Bottom of Boring @ 35 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-11
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	11-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	11-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	35.0 ft (11-Feb-04)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Topsoil/grass.	0.6
					GM	**Silty GRAVEL**; (GM); Dark brown; soft; damp; 20% silt, 80% gravel.	3.0
						SILT with Clay; (ML); Dark brown; soft; damp; 20% clay, 80% silt.	
0		NA	SB-11 -5'	5	ML		7.5
						CLAY with Silt; (CL); Dark brown; soft; damp; 80% clay, 20% silt; low plasticity.	
0		NA	SB-11 -10'	10			
0		NA	SB-11 -15'	15		Very stiff to hard; very few fines; 90% clay, 10% silt.	
0		NA	SB-11 -20'	20	CL		
0		NA	SB-11 -25'	25		Silty clay with some gravel; dark brown; soft; damp; 60% clay, 30% silt, 10% gravel; low plasticity.	
0		NA	SB-11 -30'	30			32.5
		NA			ML	**Clayey SILT**; (ML); Grayish brown; medium dense; wet; 40% clay, 55% silt, 5% gravel.	35.0
0			SB-11 -35'	35			

Bottom of Boring @ 35 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company (US)	**BORING/WELL NAME**	SB-12
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	13-Feb-04
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	13-Feb-04
PROJECT NUMBER	246-0504-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	7"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Concrete.	1.0
						Silty CLAY; (CL); Dark brown; soft; saturated/wet; 70% clay, 30% silt.	
0		NA	SB-12 -5'	5			
0		NA	SB-12 -10'	10		Low plasticity.	
0		NA	SB-12 -15'	15	CL	Clay with little to no fines; very stiff; 90% clay, 10% silt.	
0		NA	SB-12 -20'	20		Clay with fine sands; medium stiff; dry; 80% clay, 20% sand.	
0		NA	SB-12 -25'	25		Very hard clay.	
0		NA	SB-12 -30'	30		Silty clay; light brown; very stiff to hard; damp; 80% clay, 20% silt	
						Refusal @ 32 fbg.	32.0

WELL DIAGRAM: Bottom of Boring @ 32 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 4/26/04

ATTACHMENT D

Well Driller's Completion Reports

ORIGINAL
File with DWR
Page 1 of 4
Owner's Well No. MW-12
Date Work Began 2/10/04 Ended 2/10/04
Local Permit Agency ACPWD / ACHCSA
Permit No. W04-0023 Permit Date 1/8/04

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. e011923

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD HSA FLUID —

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	45	Please See attached boring log & well construction details

TOTAL DEPTH OF BORING 45 (Feet)
TOTAL DEPTH OF COMPLETED WELL 45 (Feet)

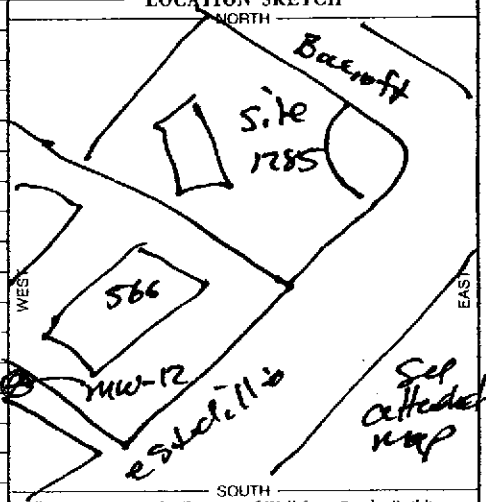
WELL OWNER

Name Shell Oil Products Co. (US)
Mailing Address 20945 S. Wilmington
City Carson, CA. 90810 (CITY / STATE / ZIP)

WELL LOCATION

Address 1285 Bancroft
City San Leandro, CA.
County Alameda
APN Book ___ Page ___ Parcel ___
Township ___ Range ___ Section ___
Latitude 37° 7273773 (DEG. MIN. SEC. NORTH) Longitude 122° 14908355 (DEG. MIN. SEC.)

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)

WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING X
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 35 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL — (Ft.) & DATE MEASURED —
ESTIMATED YIELD * ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	40	8"	X				PVC	2"	Sch 40	—
40	45	8"		X			PVC	2"	Sch 40	.010

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	1	X			Concrete
1	36	X			Portland 1/11
36	38		X		Bentonite
38	45			X	#2/12 Sand

ATTACHMENTS (✓)

X Geologic Log
X Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
X Other Well location map

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Gregg Drilling & Testing Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 950 Home Rd CITY Martinez STATE CA ZIP 94553
Signed [signature] (WELL DRILLER/AUTHORIZED REPRESENTATIVE)
DATE SIGNED 3/29/04
C-57 LICENSE NUMBER 574851 C-57

DWR 188 REV. 11 97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 1 of 4

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. e011922

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. MW-11
Date Work Began 2/10/04 Ended 2/10/04
Local Permit Agency ACPWD / ACHCSA
Permit No. W04-0022 Permit Date 1/8/04

GEOLOGIC LOG

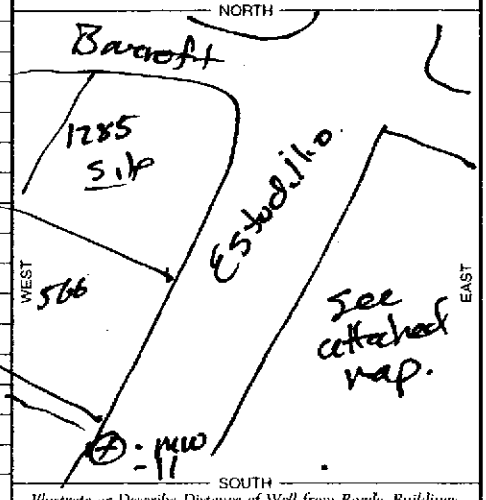
ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD HSA FLUID —

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	45	Please see attached boring log & well construction details.

TOTAL DEPTH OF BORING 45 (Feet)
TOTAL DEPTH OF COMPLETED WELL 45 (Feet)

WELL OWNER
Name Shell Oil Products Co. (US)
Mailing Address 20945 S. Wilmington
CITY Carson STATE CA ZIP 90810

WELL LOCATION
Address 1285 Bancroft
City San Leandro, CA
County Alameda
APN Book ___ Page ___ Parcel ___
Township ___ Range ___ Section ___
Latitude 37° 42' 69.89" NORTH Longitude 122° 14' 90.54" WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH


Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)
WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING X
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER 35 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL — (Ft.) & DATE MEASURED —
ESTIMATED YIELD * ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	40	8"	X				PVC	2"	Sch 40	—
40	45	8"		X			PVC	2"	Sch 40	.010

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	1	X			Concrete
1	36	X			Portland 1/2"
36	38		X		Bentonite
38	45			X	#2 1/2 Sand

ATTACHMENTS (✓)
X Geologic Log
X Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
X Other well loc map
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME Gregg Drilling & Testing Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 950 Howe Rd. CITY Martinez STATE Ca. ZIP 94553
Signed [signature] 3/19/04 C57485165
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR
Page 1 of 4

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. e011921

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. MW-10
Date Work Began 2/11/04, Ended 2/11/04
Local Permit Agency ACPWD/ACHCSA
Permit No. W04-0021 Permit Date 1/8/04

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD HSA FLUID —

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	40	Please see attached boring log and well construction details.

TOTAL DEPTH OF BORING 40 (Feet)
TOTAL DEPTH OF COMPLETED WELL 40 (Feet)

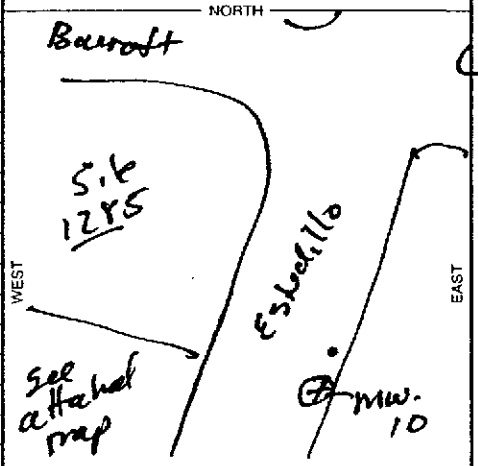
WELL OWNER

Name Shell Oil Products Co. (US)
Mailing Address 20945 S. Wilmington
City Carson, CA 90810
CITY STATE ZIP

WELL LOCATION

Address 1285 Bancroft
City San Leandro, CA
County Alameda
APN Book ___ Page ___ Parcel ___
Township ___ Range ___ Section ___
Latitude 37° 7269522 NORTH Longitude -122° 1485674 WEST
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)

WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING X
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 30 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD * ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CON-DUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	30	8"	X				PVC	2"	Sch 40	—
30	40	8"		X			PVC	2"	Sch 40	.010

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	1	X			Concrete
1	26	X			Portland I/II
26	28		X		Bentonite
28	40			X	#2/12 Sand

ATTACHMENTS (✓)

X Geologic Log
X Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
X Other Well Location Map

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Gregg Drilling & Testing Inc.
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS Martinez CA 94553 CITY 950 Howe Rd STATE ZIP
Signed [signature] 3/24/04 C57485165
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 1 of 4

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. e011920

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE LONGITUDE
APN/TRS/OTHER

Owner's Well No. MW-9
Date Work Began 2/10/04 Ended 2/10/04
Local Permit Agency ACPWD/ACHCSA
Permit No. W04-0020 Permit Date 1/8/04

GEOLOGIC LOG

ORIENTATION (✓) X VERTICAL ___ HORIZONTAL ___ ANGLE ___ (SPECIFY)
DRILLING METHOD HSA FLUID ___

DEPTH FROM SURFACE Ft.	to Ft.	DESCRIPTION *Describe material, grain size, color, etc.*
0	50	Please see attached boring log / well construction details.

TOTAL DEPTH OF BORING 50 (Feet)
TOTAL DEPTH OF COMPLETED WELL 50 (Feet)

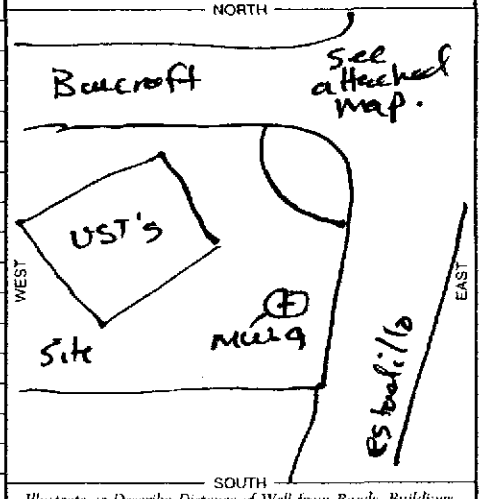
WELL OWNER

Name Shell Oil Products Co. (US)
Mailing Address 20945 S. Wilmington
Carson, CA 90810
CITY STATE ZIP

WELL LOCATION

Address 1285 Bancroft Ave.
City San Leandro, CA
County Alameda
APN Book ___ Page ___ Parcel ___
Township ___ Range ___ Section ___
Latitude 37.727204 NORTH DEG. MIN. SEC.
Longitude 122.148273 WEST DEG. MIN. SEC.

LOCATION SKETCH



Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

X NEW WELL
MODIFICATION/REPAIR
___ Deepen
___ Other (Specify)
___ DESTROY *(Describe Procedures and Materials Under "GEOLOGIC LOG")*

PLANNED USES (✓)

WATER SUPPLY
___ Domestic ___ Public
___ Irrigation ___ Industrial
MONITORING X
TEST WELL ___
CATHODIC PROTECTION ___
HEAT EXCHANGE ___
DIRECT PUSH ___
INJECTION ___
VAPOR EXTRACTION ___
SPARGING ___
REMEDIATION ___
OTHER (SPECIFY) ___

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 35 (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL ___ (Ft.) & DATE MEASURED ___
ESTIMATED YIELD * ___ (GPM) & TEST TYPE ___
TEST LENGTH ___ (Hrs.) TOTAL DRAWDOWN ___ (Ft.)
* *May not be representative of a well's long-term yield.*

CASING (S)

DEPTH FROM SURFACE Ft.	to Ft.	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK	SCREEN	CONDUCTOR	FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	45	10"	X				PVC	4"	Sch 40	—
45	50	10"		X			PVC	4"	Sch 40	.010

ANNULAR MATERIAL

DEPTH FROM SURFACE Ft.	to Ft.	TYPE CEMENT (✓)	BENTONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	1	X			Concrete
1	41	X			Portland I/II
41	43		X		Bentopite
43	50			X	#2/12 Sand

ATTACHMENTS (✓)

X Geologic Log
X Well Construction Diagram
___ Geophysical Log(s)
___ Soil/Water Chemical Analyses
X Other Well Vic Map

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Gregg Drilling & Testing Inc,
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
ADDRESS 950 Howe Rd CITY Martinez STATE CA ZIP 94553
Signed [signature] 3/29/04
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED
C57495165 C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ATTACHMENT E

Virgil Chavez Well Survey Report

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

March 1, 2004
Project No.: 1703-21

Stu Dalie
Cambria Environmental
5900 Hollis Street, Suite A
Emeryville, CA 94608

Subject: Monitoring Well Survey
Shell-Branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Dear Stu:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on February 24, 2005. The benchmark for this survey was a disk in a monument well at the southeast corner Estudillo Avenue and Bancroft Avenue. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 65.098 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				66.03	RIM MW-9
37.7272104	-122.1482733	2091453.60	6084998.54	65.55	TOC MW-9
				64.80	RIM MW-10
37.7269522	-122.1485674	2091361.08	6084911.84	64.36	TOC MW-10
				63.94	RIM MW-11
37.7269289	-122.1490544	2091355.07	6084770.88	63.54	TOC MW-11
				65.97	RIM MW-12
37.7273223	-122.1490835	2091498.44	6084764.98	65.58	TOC MW-12

Sincerely,

Virgil D. Chavez

Virgil D. Chavez, PLS 6323

ATTACHMENT F

Certified Laboratory Analytical Reports

SEVERN TRENT STL

Submission#: 2004-02-0490

Cambria Environmental Emeryville

February 27, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 246-0504
Project: 98996067
Site: 1285 Bancroft Avenue, San Leandro, CA

Dear Mr. Dalie:

Attached is our report for your samples received on 02/13/2004 18:00
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 03/29/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil
Project Manager

SEVERN TRENT STL

Submission #: 2004-02-0490

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-9-30`	02/12/2004 11:15	Soil	6
SB-9-35`	02/12/2004 11:30	Soil	7
SB-10-25`	02/12/2004 08:35	Soil	13
SB-10-30`	02/12/2004 08:45	Soil	14
SB-10-35`	02/12/2004 09:00	Soil	15
SB-11-25`	02/11/2004 15:00	Soil	21
SB-11-30`	02/11/2004 15:15	Soil	22
SB-11-35`	02/11/2004 15:30	Soil	23
SB-12-25`	02/13/2004 10:00	Soil	29
SB-12-30`	02/13/2004 10:15	Soil	30
MW-9-10`	02/11/2004 08:00	Soil	32
MW-9-15`	02/11/2004 08:05	Soil	33
MW-9-20`	02/11/2004 08:15	Soil	34
MW-9-25`	02/11/2004 08:25	Soil	35
MW-9-30`	02/11/2004 08:40	Soil	36
MW-9-45`	02/11/2004 09:15	Soil	38
MW-9-49.5`	02/11/2004 09:30	Soil	39
MW-10-30`	02/10/2004 10:20	Soil	45
MW-10-35`	02/10/2004 10:45	Soil	46
MW-10-39.5`	02/10/2004 11:00	Soil	47
MW-11-30`	02/10/2004 13:25	Soil	53
MW-11-35`	02/10/2004 13:45	Soil	54
MW-11-40`	02/10/2004 13:50	Soil	55
MW-11-44.5`	02/10/2004 14:00	Soil	56
MW-12-30`	02/12/2004 14:15	Soil	62
MW-12-35`	02/12/2004 14:30	Soil	63
MW-12-39.5`	02/12/2004 14:40	Soil	64
MW-12-44.5`	02/12/2004 15:00	Soil	65

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-9-30'	Lab ID:	2004-02-0490 - 6
Sampled:	02/12/2004 11:15	Extracted:	2/16/2004 21:25
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 21:25	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 21:25	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 21:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 21:25	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 21:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 21:25	
Surrogate(s)						
1,2-Dichloroethane-d4	97.7	70-121	%	1.00	02/16/2004 21:25	
Toluene-d8	95.2	81-117	%	1.00	02/16/2004 21:25	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-9-35	Lab ID:	2004-02-0490 - 7
Sampled:	02/12/2004 11:30	Extracted:	2/16/2004 22:20
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 22:20	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:20	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 22:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 22:20	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	70-121	%	1.00	02/16/2004 22:20	
Toluene-d8	95.8	81-117	%	1.00	02/16/2004 22:20	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-10-25	Lab ID:	2004-02-0490 - 13
Sampled:	02/12/2004 08:35	Extracted:	2/16/2004 22:38
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 22:38	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:38	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:38	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:38	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 22:38	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 22:38	
Surrogate(s)						
1,2-Dichloroethane-d4	104.8	70-121	%	1.00	02/16/2004 22:38	
Toluene-d8	95.9	81-117	%	1.00	02/16/2004 22:38	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-10-30'	Lab ID:	2004-02-0490 - 14
Sampled:	02/12/2004 08:45	Extracted:	2/16/2004 22:57
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 22:57	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:57	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 22:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 22:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 22:57	
Surrogate(s)						
1,2-Dichloroethane-d4	97.6	70-121	%	1.00	02/16/2004 22:57	
Toluene-d8	95.1	81-117	%	1.00	02/16/2004 22:57	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-10-35**	Lab ID:	2004-02-0490 - 15
Sampled:	02/12/2004 09:00	Extracted:	2/16/2004 23:16
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 23:16	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:16	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 23:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 23:16	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	70-121	%	1.00	02/16/2004 23:16	
Toluene-d8	97.4	81-117	%	1.00	02/16/2004 23:16	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-11-25**	Lab ID:	2004-02-0490 - 21
Sampled:	02/11/2004 15:00	Extracted:	2/16/2004 23:34
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 23:34	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:34	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:34	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 23:34	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 23:34	
Surrogate(s)						
1,2-Dichloroethane-d4	98.9	70-121	%	1.00	02/16/2004 23:34	
Toluene-d8	90.8	81-117	%	1.00	02/16/2004 23:34	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-11-30**	Lab ID:	2004-02-0490 - 22
Sampled:	02/11/2004 15:15	Extracted:	2/16/2004 23:53
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/16/2004 23:53	
Benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:53	
Toluene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/16/2004 23:53	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/16/2004 23:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/16/2004 23:53	
Surrogate(s)						
1,2-Dichloroethane-d4	97.4	70-121	%	1.00	02/16/2004 23:53	
Toluene-d8	92.9	81-117	%	1.00	02/16/2004 23:53	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-11-35'**	Lab ID:	2004-02-0490 - 23
Sampled:	02/11/2004 15:30	Extracted:	2/17/2004 00:11
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 00:11	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:11	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 00:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 00:11	
Surrogate(s)						
1,2-Dichloroethane-d4	97.6	70-121	%	1.00	02/17/2004 00:11	
Toluene-d8	95.2	81-117	%	1.00	02/17/2004 00:11	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-12-25**	Lab ID:	2004-02-0490 - 29
Sampled:	02/13/2004 10:00	Extracted:	2/17/2004 00:29
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 00:29	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:29	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:29	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 00:29	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 00:29	
Surrogate(s)						
1,2-Dichloroethane-d4	97.7	70-121	%	1.00	02/17/2004 00:29	
Toluene-d8	99.1	81-117	%	1.00	02/17/2004 00:29	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-12-30**	Lab ID:	2004-02-0490 - 30
Sampled:	02/13/2004 10:15	Extracted:	2/17/2004 00:48
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 00:48	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:48	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 00:48	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 00:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 00:48	
Surrogate(s)						
1,2-Dichloroethane-d4	99.9	70-121	%	1.00	02/17/2004 00:48	
Toluene-d8	93.3	81-117	%	1.00	02/17/2004 00:48	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9-10'**	Lab ID:	2004-02-0490 - 32
Sampled:	02/11/2004 08:00	Extracted:	2/17/2004 01:06
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 01:06	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:06	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 01:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 01:06	
Surrogate(s)						
1,2-Dichloroethane-d4	100.6	70-121	%	1.00	02/17/2004 01:06	
Toluene-d8	95.4	81-117	%	1.00	02/17/2004 01:06	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9-15'**	Lab ID:	2004-02-0490 - 33
Sampled:	02/11/2004 08:05	Extracted:	2/17/2004 01:25
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 01:25	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:25	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:25	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 01:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 01:25	
Surrogate(s)						
1,2-Dichloroethane-d4	99.5	70-121	%	1.00	02/17/2004 01:25	
Toluene-d8	97.5	81-117	%	1.00	02/17/2004 01:25	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Emeryville

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Project: 246-0504
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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9-20'**	Lab ID:	2004-02-0490 - 34
Sampled:	02/11/2004 08:15	Extracted:	2/17/2004 01:43
Matrix:	Soil	QC Batch#:	2004/02/16-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 01:43	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:43	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:43	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 01:43	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 01:43	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 01:43	
Surrogate(s)						
1,2-Dichloroethane-d4	97.8	70-121	%	1.00	02/17/2004 01:43	
Toluene-d8	93.4	81-117	%	1.00	02/17/2004 01:43	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-25'	Lab ID:	2004-02-0490 - 35
Sampled:	02/11/2004 08:25	Extracted:	2/18/2004 10:35
Matrix:	Soil	QC Batch#:	2004/02/18-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 10:35	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:35	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:35	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 10:35	
Methyl tert-butyl ether (MTBE)	0.071	0.0050	mg/Kg	1.00	02/18/2004 10:35	
Surrogate(s)						
1,2-Dichloroethane-d4	90.3	70-121	%	1.00	02/18/2004 10:35	
Toluene-d8	96.8	81-117	%	1.00	02/18/2004 10:35	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9-30'**	Lab ID:	2004-02-0490 - 36
Sampled:	02/11/2004 08:40	Extracted:	2/18/2004 10:54
Matrix:	Soil	QC Batch#:	2004/02/18-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 10:54	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:54	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 10:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 10:54	
Methyl tert-butyl ether (MTBE)	0.093	0.0050	mg/Kg	1.00	02/18/2004 10:54	
Surrogate(s)						
1,2-Dichloroethane-d4	92.5	70-121	%	1.00	02/18/2004 10:54	
Toluene-d8	96.5	81-117	%	1.00	02/18/2004 10:54	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-45	Lab ID:	2004-02-0490 - 38
Sampled:	02/11/2004 09:15	Extracted:	2/17/2004 19:43
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 19:43	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 19:43	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 19:43	
Ethyl benzene	0.0081	0.0050	mg/Kg	1.00	02/17/2004 19:43	
Total xylenes	0.042	0.0050	mg/Kg	1.00	02/17/2004 19:43	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 19:43	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	70-121	%	1.00	02/17/2004 19:43	
Toluene-d8	96.2	81-117	%	1.00	02/17/2004 19:43	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9-49.5'**	Lab ID:	2004-02-0490 - 39
Sampled:	02/11/2004 09:30	Extracted:	2/17/2004 20:02
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 20:02	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 20:02	
Toluene	0.0061	0.0050	mg/Kg	1.00	02/17/2004 20:02	
Ethyl benzene	0.0093	0.0050	mg/Kg	1.00	02/17/2004 20:02	
Total xylenes	0.049	0.0050	mg/Kg	1.00	02/17/2004 20:02	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 20:02	
Surrogate(s)						
1,2-Dichloroethane-d4	103.2	70-121	%	1.00	02/17/2004 20:02	
Toluene-d8	96.7	81-117	%	1.00	02/17/2004 20:02	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10-30'**	Lab ID:	2004-02-0490 - 45
Sampled:	02/10/2004 10:20	Extracted:	2/17/2004 15:58
Matrix:	Soil	QC Batch#:	2004/02/17-1C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 15:58	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 15:58	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 15:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 15:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 15:58	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 15:58	
Surrogate(s)						
1,2-Dichloroethane-d4	103.1	70-121	%	1.00	02/17/2004 15:58	
Toluene-d8	98.4	81-117	%	1.00	02/17/2004 15:58	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10-35**	Lab ID:	2004-02-0490 - 46
Sampled:	02/10/2004 10:45	Extracted:	2/17/2004 22:11
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 22:11	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:11	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 22:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 22:11	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	70-121	%	1.00	02/17/2004 22:11	
Toluene-d8	93.4	81-117	%	1.00	02/17/2004 22:11	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10-39.5**	Lab ID:	2004-02-0490 - 47
Sampled:	02/10/2004 11:00	Extracted:	2/17/2004 22:30
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 22:30	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:30	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 22:30	
Methyl tert-butyl ether (MTBE)	0.017	0.0050	mg/Kg	1.00	02/17/2004 22:30	
Surrogate(s)						
1,2-Dichloroethane-d4	98.7	70-121	%	1.00	02/17/2004 22:30	
Toluene-d8	96.0	81-117	%	1.00	02/17/2004 22:30	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-11-30**	Lab ID:	2004-02-0490 - 53
Sampled:	02/10/2004 13:25	Extracted:	2/17/2004 22:48
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 22:48	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:48	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 22:48	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 22:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 22:48	
Surrogate(s)						
1,2-Dichloroethane-d4	100.0	70-121	%	1.00	02/17/2004 22:48	
Toluene-d8	91.5	81-117	%	1.00	02/17/2004 22:48	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-35	Lab ID:	2004-02-0490 - 54
Sampled:	02/10/2004 13:45	Extracted:	2/17/2004 23:06
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 23:06	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:06	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 23:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 23:06	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	70-121	%	1.00	02/17/2004 23:06	
Toluene-d8	95.8	81-117	%	1.00	02/17/2004 23:06	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-11-40'**	Lab ID:	2004-02-0490 - 55
Sampled:	02/10/2004 13:50	Extracted:	2/17/2004 23:25
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/17/2004 23:25	
Benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:25	
Toluene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/17/2004 23:25	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/17/2004 23:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/17/2004 23:25	
Surrogate(s)						
1,2-Dichloroethane-d4	96.4	70-121	%	1.00	02/17/2004 23:25	
Toluene-d8	96.9	81-117	%	1.00	02/17/2004 23:25	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-44.5'	Lab ID:	2004-02-0490-56
Sampled:	02/10/2004 14:00	Extracted:	2/18/2004 00:20
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 00:20	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:20	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 00:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/18/2004 00:20	
Surrogate(s)						
1,2-Dichloroethane-d4	101.7	70-121	%	1.00	02/18/2004 00:20	
Toluene-d8	100.3	81-117	%	1.00	02/18/2004 00:20	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12-30**	Lab ID:	2004-02-0490 - 62
Sampled:	02/12/2004 14:15	Extracted:	2/18/2004 00:39
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 00:39	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:39	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 00:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/18/2004 00:39	
Surrogate(s)						
1,2-Dichloroethane-d4	97.7	70-121	%	1.00	02/18/2004 00:39	
Toluene-d8	93.6	81-117	%	1.00	02/18/2004 00:39	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12-35'**	Lab ID:	2004-02-0490 - 63
Sampled:	02/12/2004 14:30	Extracted:	2/18/2004 00:57
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 00:57	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:57	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 00:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 00:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/18/2004 00:57	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	70-121	%	1.00	02/18/2004 00:57	
Toluene-d8	95.0	81-117	%	1.00	02/18/2004 00:57	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12-39.5**	Lab ID:	2004-02-0490 - 64
Sampled:	02/12/2004 14:40	Extracted:	2/18/2004 01:16
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 01:16	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:16	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 01:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/18/2004 01:16	
Surrogate(s)						
1,2-Dichloroethane-d4	98.9	70-121	%	1.00	02/18/2004 01:16	
Toluene-d8	95.6	81-117	%	1.00	02/18/2004 01:16	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12-44.5'**	Lab ID:	2004-02-0490 - 65
Sampled:	02/12/2004 15:00	Extracted:	2/18/2004 01:34
Matrix:	Soil	QC Batch#:	2004/02/17-02.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/18/2004 01:34	
Benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:34	
Toluene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/18/2004 01:34	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/18/2004 01:34	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/18/2004 01:34	
Surrogate(s)						
1,2-Dichloroethane-d4	103.7	70-121	%	1.00	02/18/2004 01:34	
Toluene-d8	99.4	81-117	%	1.00	02/18/2004 01:34	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Soil — **QC Batch # 2004/02/16-02.69**
MB: 2004/02/16-02.69-045 — Date Extracted: 02/16/2004 18:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	02/16/2004 18:45	
Benzene	ND	0.0050	mg/Kg	02/16/2004 18:45	
Toluene	ND	0.0050	mg/Kg	02/16/2004 18:45	
Ethyl benzene	ND	0.0050	mg/Kg	02/16/2004 18:45	
Total xylenes	ND	0.0050	mg/Kg	02/16/2004 18:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/16/2004 18:45	
Surrogates(s)					
1,2-Dichloroethane-d4	96.3	70-121	%	02/16/2004 18:45	
Toluene-d8	97.1	81-117	%	02/16/2004 18:45	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Soil — Test(s): 8260B

Method Blank — **QC Batch # 2004/02/17-02.69**

MB: 2004/02/17-02.69-048 — Date Extracted: 02/17/2004 18:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	02/17/2004 18:48	
Benzene	ND	0.0050	mg/Kg	02/17/2004 18:48	
Toluene	ND	0.0050	mg/Kg	02/17/2004 18:48	
Ethyl benzene	ND	0.0050	mg/Kg	02/17/2004 18:48	
Total xylenes	ND	0.0050	mg/Kg	02/17/2004 18:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/17/2004 18:48	
Surrogates(s)					
1,2-Dichloroethane-d4	103.8	70-121	%	02/17/2004 18:48	
Toluene-d8	95.8	81-117	%	02/17/2004 18:48	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Soil — **QC Batch # 2004/02/17-1C.69**
MB: 2004/02/17-1C.69-000 — Date Extracted: 02/17/2004 09:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	02/17/2004 09:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/17/2004 09:00	
Benzene	ND	0.0050	mg/Kg	02/17/2004 09:00	
Toluene	ND	0.0050	mg/Kg	02/17/2004 09:00	
Ethyl benzene	ND	0.0050	mg/Kg	02/17/2004 09:00	
Total xylenes	ND	0.0050	mg/Kg	02/17/2004 09:00	
Surrogates(s)					
1,2-Dichloroethane-d4	94.6	70-121	%	02/17/2004 09:00	
Toluene-d8	97.5	81-117	%	02/17/2004 09:00	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2004/02/18-1A.69**

MB: 2004/02/18-1A.69-031 — Date Extracted: 02/18/2004 09:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	02/18/2004 09:31	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/18/2004 09:31	
Benzene	ND	0.0050	mg/Kg	02/18/2004 09:31	
Toluene	ND	0.0050	mg/Kg	02/18/2004 09:31	
Ethyl benzene	ND	0.0050	mg/Kg	02/18/2004 09:31	
Total xylenes	ND	0.0050	mg/Kg	02/18/2004 09:31	
Surrogates(s)					
1,2-Dichloroethane-d4	91.3	70-121	%	02/18/2004 09:31	
Toluene-d8	91.1	81-117	%	02/18/2004 09:31	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/02/16-02.69**

LCS 2004/02/16-02.69-008 — Extracted: 02/16/2004 — Analyzed: 02/16/2004 18:08

LCSD 2004/02/16-02.69-026 — Extracted: 02/16/2004 — Analyzed: 02/16/2004 18:26

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	49.7	50.9	50.0	99.4	101.8	2.4	69-129	20		
Toluene	48.7	49.9	50.0	97.4	99.8	2.4	70-130	20		
Methyl tert-butyl ether (MTBE)	58.5	58.7	50.0	117.0	117.4	0.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	454	465	500	90.8	93.0		70-121			
Toluene-d8	484	481	500	96.8	96.2		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/02/17-02.69**

LCS 2004/02/17-02.69-011 Extracted: 02/17/2004 Analyzed: 02/17/2004 18:11

LCSD 2004/02/17-02.69-030 Extracted: 02/17/2004 Analyzed: 02/17/2004 18:30

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	44.2	44.6	50.0	88.4	89.2	0.9	69-129	20		
Toluene	45.2	45.9	50.0	90.4	91.8	1.5	70-130	20		
Methyl tert-butyl ether (MTBE)	51.2	52.0	50.0	102.4	104.0	1.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	472	459	500	94.4	91.8		70-121			
Toluene-d8	488	487	500	97.6	97.4		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/02/17-1C.69**

LCS 2004/02/17-1C.69-023 — Extracted: 02/17/2004 — Analyzed: 02/17/2004 08:23
LCSD 2004/02/17-1C.69-041 — Extracted: 02/17/2004 — Analyzed: 02/17/2004 08:41

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0568	0.0580	0.05	113.6	116.0	2.1	65-165	20		
Benzene	0.0506	0.0507	0.05	101.2	101.4	0.2	69-129	20		
Toluene	0.0499	0.0493	0.05	99.8	98.6	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	447	462	500	89.4	92.4		70-121			
Toluene-d8	476	484	500	95.2	96.8		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/02/18-1A.69**

LCS 2004/02/18-1A.69-054 — Extracted: 02/18/2004 — Analyzed: 02/18/2004 08:54
LCSD 2004/02/18-1A.69-013 — Extracted: 02/18/2004 — Analyzed: 02/18/2004 09:13

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0493	0.0452	0.05	98.6	90.4	8.7	65-165	20		
Benzene	0.0439	0.0444	0.05	87.8	88.8	1.1	69-129	20		
Toluene	0.0443	0.0448	0.05	88.6	89.6	1.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	427	423	500	85.4	84.6		70-121			
Toluene-d8	477	472	500	95.4	94.4		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/02/16-02.69**

SB-9-30' >> MS

Lab ID: 2004-02-0490 - 006

MS: 2004/02/16-02.69-043 Extracted: 02/16/2004 Analyzed: 02/16/2004 21:43

Dilution: 1.00

MSD: 2004/02/16-02.69-002 Extracted: 02/16/2004 Analyzed: 02/16/2004 22:02

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	47.0	50.7	0.138	46.4	101.0	102.6	1.6	69-129	20		
Toluene	47.4	48.6	0.302	46.4	101.5	98.0	3.5	70-130	20		
Methyl tert-butyl ether	58.9	61.9	ND	46.4	126.9	125.6	1.0	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	483	468		500	96.6	93.6		70-121			
Toluene-d8	498	477		500	99.6	95.4		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Emeryville
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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Soil** — **QC Batch # 2004/02/17-02.69**

MW-11-40' >> MS — Lab ID: 2004-02-0490 - 055

MS: 2004/02/17-02.69-043 — Extracted: 02/17/2004 — Analyzed: 02/17/2004 23:43 — Dilution: 1.00

MSD: 2004/02/17-02.69-002 — Extracted: 02/18/2004 — Analyzed: 02/18/2004 00:02 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	43.5	44.6	ND	47.9	90.8	92.0	1.3	69-129	20		
Toluene	44.8	46.1	0.102	47.9	93.3	94.8	1.6	70-130	20		
Methyl tert-butyl ether	49.9	49.2	ND	47.9	104.2	101.4	2.7	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	470	461		500	94.0	92.2		70-121			
Toluene-d8	481	477		500	96.2	95.4		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Soil** — **QC Batch # 2004/02/17-1C.69**

MW-10-30 >> MS — Lab ID: 2004-02-0490 - 045

MS: 2004/02/17-1C.69-016 — Extracted: 02/17/2004 — Analyzed: 02/17/2004 16:16 — Dilution: 1.00

MSD: 2004/02/17-1C.69-035 — Extracted: 02/17/2004 — Analyzed: 02/17/2004 16:35 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0434	0.0509	ND	0.047169	91.9	107.9	16.0	65-165	20		
Benzene	0.0304	0.0411	ND	0.047169	64.4	87.1	30.0	69-129	20	mso	rpd
Toluene	0.0304	0.0407	ND	0.047169	64.4	86.2	29.0	70-130	20	mso	rpd
Surrogate(s)											
1,2-Dichloroethane-d4	532	546		500	106.4	109.2		70-121			
Toluene-d8	491	492		500	98.2	98.4		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Legend and Notes

Result Flag

mso

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

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

SEVERN TRENT STL

Submission #: 2004-02-0490

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville
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Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9-35`	02/11/2004 08:50	Soil	37

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-35	Lab ID:	2004-02-0490 - 37
Sampled:	02/11/2004 08:50	Extracted:	2/18/2004 10:30
Matrix:	Soil	QC Batch#:	2004/02/18-3B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	820	50	mg/Kg	1.00	02/18/2004 13:06	
Benzene	1.0	0.50	mg/Kg	1.00	02/18/2004 13:06	
Toluene	2.3	0.50	mg/Kg	1.00	02/18/2004 13:06	
Ethyl benzene	12	0.50	mg/Kg	1.00	02/18/2004 13:06	
Total xylenes	84	0.50	mg/Kg	1.00	02/18/2004 13:06	
Methyl tert-butyl ether (MTBE)	1.0	0.50	mg/Kg	1.00	02/18/2004 13:06	
Surrogate(s)						
1,2-Dichloroethane-d4	88.4	70-121	%	1.00	02/18/2004 13:06	
Toluene-d8	90.0	81-117	%	1.00	02/18/2004 13:06	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2004/02/18-3B.69**

MB: 2004/02/18-3B.69-011 — Date Extracted: 02/18/2004 12:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	02/18/2004 12:11	
Benzene	ND	0.50	mg/Kg	02/18/2004 12:11	
Toluene	ND	0.50	mg/Kg	02/18/2004 12:11	
Ethyl benzene	ND	0.50	mg/Kg	02/18/2004 12:11	
Total xylenes	ND	0.50	mg/Kg	02/18/2004 12:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	02/18/2004 12:11	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	70-121	%	02/18/2004 12:11	
Toluene-d8	99.6	81-117	%	02/18/2004 12:11	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/02/18-3B.69**

LCS 2004/02/18-3B.69-034 — Extracted: 02/18/2004 — Analyzed: 02/18/2004 11:34
LCSD 2004/02/18-3B.69-052 — Extracted: 02/18/2004 — Analyzed: 02/18/2004 11:52

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	9.71	10.0	10.00	97.1	100.0	2.9	69-129	20		
Toluene	9.79	9.88	10.00	97.9	98.8	0.9	70-130	20		
Methyl tert-butyl ether (MTBE)	10.9	10.7	10.00	109.0	107.0	1.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	216	220	250	86.4	88.0		70-121			
Toluene-d8	243	242	250	97.2	96.8		81-117			

SEVERN TRENT STL

Submission #: 2004-02-0490

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-9-W	02/12/2004 11:45	Water	8
SB-10-W	02/12/2004 09:15	Water	16
SB-11-W	02/11/2004 16:00	Water	24

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-9-W**	Lab ID:	2004-02-0490 - 8
Sampled:	02/12/2004 11:45	Extracted:	2/25/2004 02:10
Matrix:	Water	QC Batch#:	2004/02/24-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/25/2004 02:10	
Benzene	ND	0.50	ug/L	1.00	02/25/2004 02:10	
Toluene	ND	0.50	ug/L	1.00	02/25/2004 02:10	
Ethylbenzene	ND	0.50	ug/L	1.00	02/25/2004 02:10	
Total xylenes	ND	1.0	ug/L	1.00	02/25/2004 02:10	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/25/2004 02:10	
Surrogate(s)						
1,2-Dichloroethane-d4	116.9	76-130	%	1.00	02/25/2004 02:10	
Toluene-d8	103.6	78-115	%	1.00	02/25/2004 02:10	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-10-W**	Lab ID:	2004-02-0490 - 16
Sampled:	02/12/2004 09:15	Extracted:	2/25/2004 14:38
Matrix:	Water	QC Batch#:	2004/02/25-1A.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	250	ug/L	5.00	02/25/2004 14:38	
Benzene	ND	2.5	ug/L	5.00	02/25/2004 14:38	
Toluene	ND	2.5	ug/L	5.00	02/25/2004 14:38	
Ethylbenzene	ND	2.5	ug/L	5.00	02/25/2004 14:38	
Total xylenes	ND	5.0	ug/L	5.00	02/25/2004 14:38	
Methyl tert-butyl ether (MTBE)	ND	2.5	ug/L	5.00	02/25/2004 14:38	
Surrogate(s)						
1,2-Dichloroethane-d4	104.3	76-130	%	5.00	02/25/2004 14:38	
Toluene-d8	104.3	78-115	%	5.00	02/25/2004 14:38	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-11-W**	Lab ID:	2004-02-0490 - 24
Sampled:	02/11/2004 16:00	Extracted:	2/23/2004 23:29
Matrix:	Water	QC Batch#:	2004/02/23-2B.68

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2600	500	ug/L	10.00	02/23/2004 23:29	
Benzene	9.1	5.0	ug/L	10.00	02/23/2004 23:29	
Toluene	ND	5.0	ug/L	10.00	02/23/2004 23:29	
Ethylbenzene	ND	5.0	ug/L	10.00	02/23/2004 23:29	
Total xylenes	ND	10	ug/L	10.00	02/23/2004 23:29	
Methyl tert-butyl ether (MTBE)	76	5.0	ug/L	10.00	02/23/2004 23:29	
Surrogate(s)						
1,2-Dichloroethane-d4	99.3	76-130	%	10.00	02/23/2004 23:29	
Toluene-d8	93.8	78-115	%	10.00	02/23/2004 23:29	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/02/23-2B.68**

MB: 2004/02/23-2B.68-010 — Date Extracted: 02/23/2004 19:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/23/2004 19:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/23/2004 19:10	
Benzene	ND	0.5	ug/L	02/23/2004 19:10	
Toluene	ND	0.5	ug/L	02/23/2004 19:10	
Ethylbenzene	ND	0.5	ug/L	02/23/2004 19:10	
Total xylenes	ND	1.0	ug/L	02/23/2004 19:10	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	76-130	%	02/23/2004 19:10	
Toluene-d8	91.4	78-115	%	02/23/2004 19:10	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — **Water** — **QC Batch # 2004/02/24-2A.65**
MB: 2004/02/24-2A.65-040 — Date Extracted: 02/24/2004 19:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/24/2004 19:40	
Benzene	ND	0.5	ug/L	02/24/2004 19:40	
Toluene	ND	0.5	ug/L	02/24/2004 19:40	
Ethylbenzene	ND	0.5	ug/L	02/24/2004 19:40	
Total xylenes	ND	1.0	ug/L	02/24/2004 19:40	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/24/2004 19:40	
Surrogates(s)					
1,2-Dichloroethane-d4	103.0	76-130	%	02/24/2004 19:40	
Toluene-d8	102.0	78-115	%	02/24/2004 19:40	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/02/25-1A.62**

MB: 2004/02/25-1A.62-011 — Date Extracted: 02/25/2004 11:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/25/2004 11:11	
Benzene	ND	0.5	ug/L	02/25/2004 11:11	
Toluene	ND	0.5	ug/L	02/25/2004 11:11	
Ethylbenzene	ND	0.5	ug/L	02/25/2004 11:11	
Total xylenes	ND	1.0	ug/L	02/25/2004 11:11	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/25/2004 11:11	
Surrogates(s)					
1,2-Dichloroethane-d4	98.6	76-130	%	02/25/2004 11:11	
Toluene-d8	107.4	78-115	%	02/25/2004 11:11	

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Water** — **QC Batch # 2004/02/23-2B.68**

LCS 2004/02/23-2B.68-032 — Extracted: 02/23/2004 — Analyzed: 02/23/2004 18:32
LCSD 2004/02/23-2B.68-051 — Extracted: 02/23/2004 — Analyzed: 02/23/2004 18:51

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.3	19.9	25	85.2	79.6	6.8	65-165	20		
Benzene	21.2	21.7	25	84.8	86.8	2.3	69-129	20		
Toluene	21.6	22.1	25	86.4	88.4	2.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	408	404	500	81.6	80.8		76-130			
Toluene-d8	444	444	500	88.8	88.8		78-115			

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Water** — **QC Batch # 2004/02/24-2A.65**

LCS 2004/02/24-2A.65-053 — Extracted: 02/24/2004 — Analyzed: 02/24/2004 18:53

LCSD 2004/02/24-2A.65-017 — Extracted: 02/24/2004 — Analyzed: 02/24/2004 19:17

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	25.4	23.5	25	101.6	94.0	7.8	69-129	20		
Toluene	25.8	24.3	25	103.2	97.2	6.0	70-130	20		
Methyl tert-butyl ether (MTBE)	27.7	30.6	25	110.8	122.4	9.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	494	527	500	98.8	105.4		76-130			
Toluene-d8	515	514	500	103.0	102.8		78-115			

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/02/25-1A.62**

LCS 2004/02/25-1A.62-027 Extracted: 02/25/2004 Analyzed: 02/25/2004 10:27

LCSD 2004/02/25-1A.62-049 Extracted: 02/25/2004 Analyzed: 02/25/2004 10:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	21.7	21.8	25	86.8	87.2	0.5	69-129	20		
Toluene	23.1	23.9	25	92.4	95.6	3.4	70-130	20		
Methyl tert-butyl ether (MTBE)	22.1	20.5	25	88.4	82.0	7.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486	450	500	97.2	90.0		76-130			
Toluene-d8	491	514	500	98.2	102.8		78-115			

Gas/BTEX/MTBE 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: 246-0504
98996067

Received: 02/13/2004 18:00

Site: 1285 Bancroft Avenue, San Leandro, CA

Legend and Notes

Analysis Flag

o

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

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 2/12/04

Page 1 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA
GLOBAL ID NO.: T0600101224		
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA	EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339
E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504	
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie	SAMPLER NAME(S) (Print): Stu Dalie	LAB USE ONLY
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalie@cambria-env.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ________

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com.

REQUESTED ANALYSIS

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-____)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	SB-9-5'	2/12/4	1035	Soil	1	X	X		X																	SB-9
	SB-9-10'	↓	1040	↓	↓	↓	↓		↓																	
	SB-9-15'	↓	1050	↓	↓	↓	↓		↓																	
	SB-9-20'	↓	1100	↓	↓	↓	↓		↓																	
	SB-9-25'	↓	1110	↓	↓	↓	↓		↓																	
	SB-9-30'	↓	1115	↓	↓	↓	↓		↓																	
	SB-9-35'	↓	1130	↓	↓	↓	↓		↓																	
	SB-9-W	↓	1145	H2O	3	↓	↓		↓																	

HOLD SB-9-5 through 25'

3.5 On ICE / Field point ID

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Safe Location: Emeryville office refridgerator. Stewart Dalie	2/13/4	8:00 A.M
Marilyn Hoffman [signature]	[signature]	2/13/04	10:25
[signature]	[signature]	2/13/04	18:00

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be invoiced:
☒ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 2/12/04

Page 2 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EDF DELIVERABLE TO (Responsible Party or Designee): shellocklandedf@cambria-env.com	PHONE NO.: 510-420-3339
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie		E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalie@cambria-env.com	SAMPLER NAME(S) (Print): Stu Dalie

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ____

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com.

REQUESTED ANALYSIS

Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
SB-10-5'	2/12/4	800	[illegible]	1	X	X		X																	SB-10
SB-10-10'	↓	805	↓	↓	↓	↓		↓	Hold SB-10-5'																↓
SB-10-15'	↓	815	↓	↓	↓	↓		↓	trash 20'																↓
SB-10-20'	↓	825	↓	↓	↓	↓		↓																	↓
SB-10-25'	↓	835	↓	↓	↓	↓		↓																	↓
SB-10-30'	↓	845	↓	↓	↓	↓		↓																	↓
SB-10-35'	↓	900	↓	↓	↓	↓		↓																	↓
SB-10-W	↓	915	H_2O	3	↓	↓		↓																	↓

On ICE / Field point ID

TEMPERATURE ON RECEIPT C°

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	Safe Location, Emeryville office refridgeerator; Stewart Dalie	2/13/04	8:00 A.M
[signature]	[signature]	2/18/04	16:20
[signature]	[signature]	2/13/04	18:00

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

Q&Q Graphic (714) 566-9702

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7
SAP or CRMT NUMBER (TS/CRMT): 1 3 6 0 1 7

DATE: 2 11 /04
Page 3 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA		GLOBAL ID NO.: T0600101224	
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339	E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie		SAMPLER NAME(S) (Print): Stu Dalie			LAB USE ONLY
TELEPHONE: 510-420-3339 FAX: 510-420-9170	EMAIL: sdalie@cambria-env.com				

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ____

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com.

REQUESTED ANALYSIS

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes; On ICE / Field point ID; TEMPERATURE ON RECEIPT C°
	SB-11-5'	2/11/4	2:15	Soil	1	X	X		X																	SB-11
	SB-11-10'	↓	2:20	↓	↓	↓	↓		↓																	
	SB-11-15'		2:30																							
	SB-11-20'		2:45																							
	SB-11-25'		3:00																							
	SB-11-30'		3:15																							
	SB-11-35'		3:30	↓	↓																					
	SB-11-W	↓	4:00	H2O	3	↓	↓		↓																	

Hold SB-11-5' through 20'

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Safe Location, Emeryville office refridgerator: Stewart Dalie	2/13/04	8:00 A.M
[signature]	[signature]	2/13/04	16:25
[signature]	[signature]	2/13/04	18:15

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA 94566

Shell Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7
SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 2/13/04
Page 4 of 5

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA — GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com — PHONE NO.: 510-420-3339 — E-MAIL: sdalie@cambria-env.com — CONSULTANT PROJECT NO.: 246-0504
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie		SAMPLER NAME(S) (Print): Stu Dalie — LAB USE ONLY
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalie@cambria-env.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ____________

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com.

REQUESTED ANALYSIS

Analysis columns: TPH - Gas, Purgeable; BTEX; TBA; MTBE (8260B - 0.5ppb RL); TAME, DIPE, ETBE (see notes); Ethanol (8260B); Methanol; EDB & 1,2-DCA (8260B); EPA 5035 Extraction for Volatiles; VOCs Halogenated/Aromatic (8021B); TRPH (418.1); Vapor VOCs BTEX / MTBE (TO-15); Vapor VOCs Full List (TO-15); Vapor TPH (ASTM 3416m); Vapor Fixed Gases (ASTM D1946); Test for Disposal (48- ___); Test for Disposal, see attached; TPH - Diesel, Extractable (8015m); ; MTBE (8260B) Confirmation, See Note

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

On ICE / Field point ID

TEMPERATURE ON RECEIPT C°

LAB USE	Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH-Gas	BTEX	TBA	MTBE	Notes
	SB-12-5'	2/13/04	920	Soil	1	X	X		X	HOLD SB-12-5 through 20'
	SB-12-10'		915		1					
	SB-12-15'		930		1					
	SB-12-20'		945		1					SB-12
	SB-12-25'		1000		1					
	SB-12-30'		1015		1					

Relinquished by (Signature)	Received by (Signature)	Date	Time
[signature]	Safe Location, Emeryville office refridgeerator: Stewart Dalie	2/13/04	8:00 A.M
[signature] Madalyn Hoffman	[signature]	2/13/04	18:25
[signature]	[signature]		1840

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

LAB: STL San francisco

Lab Identification (if necessary)
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA, 94566

SHELL Chain Of Custody Record

83006

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): 1 3 6 0 1 7

DATE: 2/11/04

Page 5 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA		EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339
		E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie		SAMPLER NAME(S) (Print): Stu Dalie	LAB USE ONLY
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalie@cambria-env.com	

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

☐ LA - RWQCB REPORT FORM ☐ UST AGENCY: ____________

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com

REQUESTED ANALYSIS

Analysis columns: TPH - Gas, Purgeable; BTEX; TBA; MTBE (8260B - 0.5ppb RL); TAME, DIPE, ETBE (see notes); Ethanol (8260B); Methanol; EDB & 1,2-DCA (8260B); EPA 5035 Extraction for Volatiles; VOCs Halogenated/Aromatic (8021B); TRPH (418.1); Vapor VOCs BTEX / MTBE (TO-15); Vapor VOCs Full List (TO-15); Vapor TPH (ASTM 3416m); Vapor Fixed Gases (ASTM D1946); Test for Disposal (48-___); Test for Disposal, see attached; TPH - Diesel, Extractable (8015m); ; MTBE (8260B) Confirmation, See Note

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

On ICE / Field point ID

TEMPERATURE ON RECEIPT C°

Field Sample Identification	Date	Time	Matrix	No. of Cont.	TPH - Gas	BTEX	TBA	MTBE	Notes
MW-9-5'	2/11/04	745	Soil	1	X	X		X	→ HOLD MW-9-5'
MW-9-10'	↓	800	↓	↓	↓	↓		↓	MW-9
MW-9-15'	↓	805	↓	↓	↓	↓		↓	
MW-9-20'	↓	815	↓	↓	↓	↓		↓	
MW-9-25'	↓	825	↓	↓	↓	↓		↓	
MW-9-30'	↓	840	↓	↓	↓	↓		↓	
MW-9-35'	↓	850	↓	↓	↓	↓		↓	
~~MW-9-40'~~	↓	~~900~~	↓	↓	↓	↓		↓	
MW-9-45'	↓	915	↓	↓	↓	↓		↓	
MW-9-49.5'	↓	930	↓	↓	↓	↓		↓	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Safe Location, Emeryville office refridgerator; Stewart Dalie	2/13/4	5:00 A.M.
[signature] Hoffman	[signature]	2/13/04	16:25
[signature]	[signature]	2/13/04	18:00

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/08/00 Revision

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):

Address: 1220 Quarry lane

City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ EMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): 1 3 6 0 1 7

DATE: 2/10/04

Page 1 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St, Ste A, Emeryville, CA		EDF DELIVERABLE TO (Responsible Party or Consultant): shelloakland@cambria-env.com	PHONE NO.: 510-420-3339
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalle		E-MAIL: sdalle@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalle@cambria-env.com	SAMPLER NAME(S) (Print): Stu Dalle

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GEOTRACKER EDF REQUIRED? ☐ YES ☐ NO

GOMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalle@cambria-env.com.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs: BTEX / MTBE (TO-15)	Vapor VOCs: Full List (TO-15)	Vapor TPH (ASTM 2416m)	Vapor Fixed Gases: (ASTM D1946)	Test for Disposal? (48-__)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, see note
	MW-10-5'	2/10/04	945	Soil	1	X	X		X																
	MW-10-10'		950																						
	MW-10-15'		1010																						
	MW-10-20'		1010																						
	MW-10-25'		1015																						
	MW-10-30'		1020																						
	MW-10-35'		1045																						
	MW-10-39.5'	↓	1100	↓	↓	↓	↓		↓																

HOLD: MW-10-5' and 25'

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

On ICW Field point ID

TEMPERATURE ON RECEIPT C°

MW-10

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Stu Dalle	Safe Location, Emeryville office refridgeerator, Stewart Dalle	2/13/04	8:00 A.M
Madelyn Hoffman	Rodney	2/13/04	10:25
Rodney		2/13/04	18:15

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

CAD Graphic (714) 895-8702

LAB: STL San francisco

SHELL Chain Of Custody Record

83006

Lab Identification (if necessary):
Address: 1220 Quarry lane
City, State, Zip: Pleasanton CA 94566

Shell Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7
SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 2/10/04
Page 7 of 8

SAMPLING COMPANY: Cambria Environmental
LOG CODE: CETO
SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA
GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St Ste A, Emeryville, CA
EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklanded@cambria-env.com
PHONE NO.: 510-420-3339
E-MAIL: sdalle@cambria-env.com
CONSULTANT PROJECT NO.: 246-0504
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dallie
SAMPLER NAME(S) (Print): Stu Dalie
LAB USE ONLY
TELEPHONE: 510-420-3339
FAX: 510-420-9170
E-MAIL: sdalle@cambria-env.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ______

GCMS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalle@cambria-env.com.

REQUESTED ANALYSIS

LAB USE	Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-__)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	mw-11-5'	2/10/04	12³	Soil	1	X	X		X																
	mw-11-10'		12⁴⁰		1																				
	mw-11-15'		12⁵⁰		1																				
	mw-11-20'		1⁰⁰		1																				
	mw-11-25'		1¹⁵		1																				
	mw-11-30'		1²⁵		1																				
	mw-11-35'		1⁴⁵		1																				
	mw-11-40		1⁵⁰		1																				
	mw-11-44.5'		2⁰⁰		1																				

HOLD mw-11-5' through 25'

On ICE/ Field point ID: mw-11

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Safe Location, Emeryville office refridgerator: Stewart Dalie	2/13/04	8:00 A.M
Marilyn Hoffman	[signature]	2/13/04	16:25
[signature]	[signature]	2/13/04	18:00

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

C&G Graphic: (714) 892-9702

LAB: STL San francisco

Lab Identification (if necessary):

Address: 1220 Quarry lane

City, State, Zip: Pleasanton CA, 94566

SHELL Chain Of Custody Record

83006

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ CRMT HOUSTON

2004-02-0490

INCIDENT NUMBER (S&E ONLY): 9 ## 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 2/12/04

Page 8 of 8

SAMPLING COMPANY: Cambria Environmental	LOG CODE: CETO
SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis St., Ste A, Emeryville, CA	
EDF DELIVERABLE TO (Responsible Party or Designee): shellcaidendedf@cambria-env.com	PHONE NO.: 510-420-3339
E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 246-0504
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie	SAMPLER NAME(S) (Print): Stu Dalie
TELEPHONE: 510-420-3333	FAX: 510-420-9170
E-MAIL: sdalie@cambria-env.com	LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ________

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

Please cc results to sdalie@cambria-env.com.

REQUESTED ANALYSIS

LAB USE	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TBA	MTBE (8260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-12-5'	2/12/4	1:30	Soil	1	X	X		X	HOLD! MW-12-5' through 25'															MW-12
	MW-12-10'		1:40																						
	MW-12-15'		1:50																						
	MW-12-20'		2:00																						
	MW-12-25'		2:10																						
	MW-12-30'		2:15																						
	MW-12-35'		2:30																						
	MW-12-39.5'		2:40																						
	MW-12-44.5'		3:00																						

3.5°C On ICE / Field point ID

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Safe Location, Emeryville office refridgeerator: Stewart Dalie	2/13/04	8:00 A.M
[signature] Marilyn Hoffman	[signature]	2/13/04	16:25
[signature]	[signature]	2/13-04	1800

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

08/00 Revision

ATTACHMENT G

Soil Disposal Confirmation Report

MANLEY & SONS TRUCKING, INC.
ROCK
SAND
DRAIN
FILL DIRT
TOP SOIL
CA 00439
(916) 381-6864

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

Disposal Confirmation

Request for Transportation Received: 02/19/04

Consultant Information

Company:	Cambria Environmental
Contact:	Stu Dalie
Phone:	510 420-3339
Fax:	510 420-9170

Site Information

Station #:	N/A
Street Address:	1285 Bancroft Ave
City, State, ZIP:	San Leandro, CA

Customer:	Shell Oil Company	RESA-0023-LDC
RIPR #:	32451	
SAP # / Location:	136017	
Incident #:	98996067	
Location / WIC #:	204-6852-0703	
Environmental Engineer:	Karen Petryna	

Material Description:	Contaminated Soil
Estimated Quantity:	6 yards
Service Requested Date:	02/19/04

Disposal Facility:	Forward Landfill
Contact:	Joe Griffith
Phone:	800 204-4242
Approval #:	3671
Date of Disposal:	02/23/04
Actual Tonnage	5.61 Tons

Transporter:	Manley & Sons Trucking, Inc.
Contact:	Glenell Manley
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	
Date of Invoice:	