

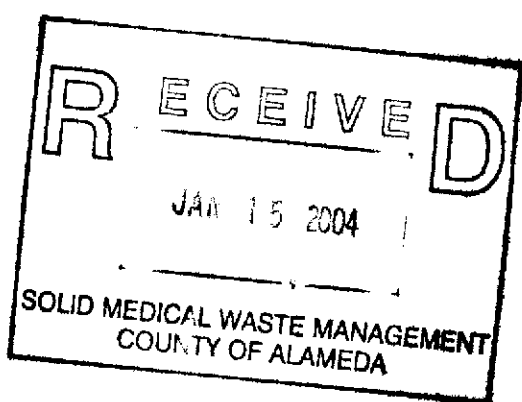
RC-367



January 12, 2004

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

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



Dear Ms. chu:

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

January 12, 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 and Monitoring Well Installation Report**
Shell-branded Service Station
1784 150th Avenue
San Leandro, California
Incident #: 98996068
Project #: 246-0612-007



Dear Ms. chu:

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

SITE BACKGROUND

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

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

**Cambria
Environmental
Technology, Inc.**

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

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Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range. The site is intersected by the Hayward Fault Zone. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During recent investigations at the site, soil consisted of silty clay, clayey silts and clayey sandy silt interlayered with sands and gravels to the total explored depth of 40 feet below grade (fbg).

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

Previous Investigations

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

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

1992 Well Installations: In February 1992, Weiss installed soil borings BH-B and BH-C, which were converted to monitoring wells MW-2 and MW-3. A soil sample collected near the water table from the boring for well MW-2 contained 79 ppm TPHg. Although well MW-3 is located over 100 feet upgradient of the tanks, up to 68 ppm TPHg was detected in soil from this boring.

1994 Subsurface Investigation: In June 1994, Weiss drilled six soil borings (B-1 through B-6) around the site. No hydrocarbons were detected in soil samples from any borings, except for 0.013 ppm benzene in boring BH-3 at 16 fbg. Also, no hydrocarbons were detected in grab

groundwater samples from borings BH-1, BH-4, BH-5 and BH-6. Groundwater from borings BH-2 and BH-3 contained over 5,000 parts per billion (ppb) TPHg.

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




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

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

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

1998 Soil Vapor Survey and Soil Sampling: In November 1998, Cambria conducted a subsurface investigation to obtain site-specific data for a RBCA evaluation of the site. Soil samples, soil vapor samples and grab groundwater samples were collected from the vadose zone at three on-site and three off-site locations (SVS-11 through SVS-16). In soil vapor, maximum concentrations of 2.7 ppmv TPHg (C5+ hydrocarbons) and 0.17 ppmv TPHg (C2-C4 hydrocarbons) were detected in borings SVS-14 and SVS-15, respectively, at 10 fbg. A

maximum concentration 0.0099 ppmv benzene was detected in SVS-16 at 5 fbg. In soil, 1.6 ppm TPHg and 0.005 ppm benzene were detected in boring SVS-11 at 19.5 fbg. No TPHg or benzene was detected in any other soil samples. MTBE was reported at 0.029 ppm in boring SVS-14 at 19 fbg using EPA Method 8020; however, MTBE was not detected in this sample using EPA Method 8260. TPHg and benzene were detected using EPA Method 8020 in groundwater from borings SVS-11 and SVS-12. The highest concentrations (130,000 ppb TPHg and 18,000 ppb benzene) were detected in SVS-11. MTBE was reported at a concentration of 1,500 ppb in boring SVS-11 by EPA Method 8020, but not confirmed by EPA Method 8260.



1999 RBCA Evaluation: In September 1999, Cambria prepared a RBCA evaluation for the site. Cambria analyzed the following potential exposure pathways: off-site ingestion of groundwater, on-site ingestion of surficial soil, volatilization of benzene from soil or groundwater into on-site or off-site indoor air, and migration of benzene soil vapor to on-site or off-site outdoor air. Results of Tier 1 and Tier 2 RBCA analysis indicated that contaminants within soil and groundwater did not present significant health risks.

October 2001 Off-Site Monitoring Well Installation: Two monitoring wells (MW-5, MW-6) were installed off site to the southwest. Soil sample results collected during this investigation indicated only minimal MTBE impact to off-site soil southwest of the site. This finding is corroborated by Cambria's 1998 subsurface investigation, in which no TPHg or benzene and only low MTBE concentrations were detected in soil from three borings (SVS-14 through SVS-16) along the private driveway. In these wells, benzene has been detected only in MW-4, in June and September 2002, at a maximum concentration of 1.4 ppb. MTBE has not been detected in groundwater from either of these wells; however, TPHg, toluene, ethylbenzene and xylene have been detected in groundwater from well MW-5 at concentrations of 650 ppb, 3.0 ppb, 52 ppb, and 28 ppb, respectively.

October 2002 Off-Site Monitoring Well Installation: Two monitoring wells (MW-7, MW-8) and one soil boring (SB-9) were installed off site to the northwest of the site in 150th Avenue. Soil sample results collected during this investigation indicated minimal MTBE, BTEX and TPHg impact to off-site soil northwest of the site. However, grab groundwater samples indicated benzene and TPHg compounds were present at elevated concentrations in groundwater northwest of the site in 150th Avenue.


August 2003 Soil and Groundwater Investigation: Seven soil borings (SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, and SB-16) were all installed off site to the northwest of the site in both 150th Avenue and Portofino Circle, with the exception of SB-15 which was on site (Figure 2). During the investigation, MTBE was detected only in on-site grab groundwater sample SB-15-W at 40 ppb. The highest TPHg concentration was detected in SB-14-W at 67,000 ppb, and the highest benzene concentration was detected in SB-15-W at 530 ppb. TPHg was detected only in

soil samples SB-11-30' and SB-15-36' at concentrations of 650 ppm and 1.4 ppm, respectively. Benzene was detected only in soil sample SB-11-35' at 0.10 ppm. Based on typical groundwater depths in nearby well MW-7, it was determined that samples SB-11-30' and SB-15-36' were saturated, and results may be more indicative of chemical concentrations in groundwater.

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


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

Groundwater Monitoring: Groundwater has been sampled quarterly since March 1990. Groundwater samples from MW-2 have contained the highest TPHg and benzene concentrations, up to 160,000 ppb and 36,000 ppb, respectively. Although hydrocarbons have been detected in water from wells MW-1 and MW-3, no hydrocarbons have been detected in water from downgradient well MW-4 except in second quarter of 2003, and laboratory notes indicate that the detected hydrocarbons did not match the laboratory standard. Wells MW-7 and MW-8 have contained up to 49,000 ppb TPHg and 830 ppb benzene, but MTBE has not been detected in these wells. MW-7 and MW-8 were inaccessible during the third quarter 2003 sampling event because the City of San Leandro covered the well locations when they resurfaced 150th Avenue with asphalt in early 2003. However, Blaine completed the location and restoration of the previously paved over wells MW-7 and MW-8, and sampled them on September 25, 2003.

INVESTIGATION PROCEDURES

Cambria supervised the installation of one off-site and two on-site monitoring wells (Figure 2). As Cambria recommended in our August 28, 2003 *Soil and Water Investigation Report and Work Plan* and as ACHCSA requested in its September 17, 2003 agency approval letter, the on-site wells were installed downgradient, south to southeast of on-site well MW-2, and upgradient near on-site soil boring SB-15 (Figure 2). Off-site well MW-9 was installed in Portofino Circle, north to northwest of soil boring SB-14 (Figure 2). Two soil borings were proposed on the adjacent parcel, south to southeast of the site. However, the current property owner refused to sign an access agreement allowing Cambria to complete these upgradient soil borings. Gregg Drilling Inc. (Gregg) of Martinez California installed the wells using a hollow-stem auger drill rig (Rhino Rig). Cambria's Standard Field Procedures for Monitoring Well Installation are included as Attachment A.

- Permits:** Cambria obtained soil boring installation permits from the Alameda County Public Works Agency for all three wells and two soil borings (Permit #'s W03-1017, W03-1018, W03-1019, W03-1020). However, the permit for the two soil borings (permit #W03-1017) was not used as the soil boring were not installed. 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 # 03501). Copies of the soil boring and encroachment permits are included as Attachment B.
- Soil Sampling Dates:** November 19 and 20, 2003.
- Drilling Company:** Gregg (C-57 License #485165).
- Personnel Present:** Stewart Dalie, Staff Scientist, Cambria
Rich Nessinger, Driller, Gregg
- Drilling Method:** Gregg drilling used a hollow-stem auger drill rig (Rhino rig). For the off-site 2" well installation, 8" diameter augers were used. For the on-site 4" well installation, 10" diameter augers were used.
- Number of Wells:** Three: MW-9, MW-10, and MW-11

- 
- Well Depths:** Well MW-9 was installed at a total depth of 35 fbg. MW-10 was installed at a total depth of 32 fbg, and MW-11 was installed at a total depth of 25 fbg (Attachment C).
- Soil Sampling Method:** MW-9, MW-10 and MW-11 soil samples were collected every 5-feet using a modified California split-spoon sampler using brass tubes.
- Sediment Lithology:** Soil encountered during drilling consisted of clay from 0.6 to 4.0 fbg to between 12.5 and 17.5 fbg, underlain by clayey sands and silty and clayey gravel with sand interlayered with silts and sands to the total explored depth of between 25 and 35 fbg, respectively (Attachment C).
- Groundwater Depths:** Groundwater was first encountered during drilling activities at approximately 23 fbg in MW-10 and MW-11, and at 20 fbg in MW-9. These measurements may not be indicative of true groundwater conditions as the wells were very recently measured after initial intrusion into the aquifer, and hydrostatic pressures may not have had adequate time to equilibrate. Blain will measure static groundwater depths in the new wells during the next quarterly monitoring event.
- Well Materials:** MW-10 and MW-11 were constructed using 4-inch diameter, Schedule 40, PVC casing with 0.010-inch slotted screen. The filter pack consisted of Monterey sand #2/12 from 26 to 32 fbg in MW-10 and from 13 to 25 fbg in MW-11. MW-9 was constructed using 2-inch diameter Schedule 40, PVC casing with 0.010-inch slotted screen. The filter pack consisted of Monterey sand #2/12 from 28 to 35 fbg. The annular space between the borehole and the casing was sealed with bentonite from 24 to 26 fbg in MW-10, 11 to 13 fbg in MW-11, and 26 to 28 fbg in MW-9. 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 (Attachment C).
- Screened Interval:** Based on pre-determined screen interval requirements recommended by Cambria and the ACHSCA, monitoring well MW-9 was screened from 30 to 35 fbg. MW-10 was screened

from 28 to 32 fbg, and MW-11 was screened from 15 to 25 fbg, respectively (Attachment C).

Well Elevation Survey:

On December 11, 2003, Virgil Chavez Land Surveying of Vallejo, California surveyed the top of casing elevation. The benchmark for this survey was a cinch nail in the top of a catch basin on the northwest corner of 150th and East 14th Streets. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark elevation = 26.883 feet (NGVD29) (Attachment D).



Well Development and Sampling

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 next regularly scheduled groundwater monitoring event.

Chemical Analyses:

Selected soil samples collected from the monitoring well locations were analyzed by a State-certified laboratory for TPHg, BTEX, and MTBE using EPA Method 8260B. Severn Trent Laboratories Inc. of Pleasanton, California analyzed all samples (Attachment E).

Stockpile Soil Sampling And Disposal:

Soil cuttings produced from the borings were wrapped in plastic sheeting, labeled and temporarily stockpiled on site. The cuttings were directly loaded and transported on December 8, 2003 by Manley and Sons Trucking Company of Sacramento, California to Forward Landfill in Manteca, California for disposal (Attachment F).

Well Completion Forms:

DWR Well Driller's Completion Reports are included as Attachment G.

INVESTIGATION RESULTS

Chemical Distribution in Soil: No benzene was detected in any of the soil samples collected during this investigation. MTBE was detected in two soil samples (MW-11-20' and MW-11-24.5') at concentrations of 0.039 and 1.4 ppm, respectively. TPHg was detected in four soil samples (MW-10-30', MW-10-31.5', MW-11-20', and MW-11-34.5') at concentrations of 14, 230, 1.8, and 330 ppm, respectively. All soil samples with detectable hydrocarbon concentrations were saturated soil samples, so results may be more indicative of chemical concentrations in groundwater rather than sorbed to soil.



Currently, of the 134 soil samples collected at and near the site since March 1990, 35 samples have contained detectable level of hydrocarbons, and chemical concentrations in unsaturated soil were generally low. Analytical results for the soil samples collected during this and previous investigations at the site are summarized in Table 1. The certified analytical laboratory reports for this investigation are included as Attachment E.

CONCLUSIONS AND RECOMMENDATIONS

Soil lithology observed during this investigation was consistent with previously determined saturated intervals and depth-to-water readings. The off-site soil borings previously installed in conjunction with the new monitoring wells adequately define the hydrocarbon plume in all directions except to the southeast. Cambria had planned to install soil borings on the adjacent property to the southeast as part of this investigation; however, the owner has been unwilling to sign an access agreement to complete the work. Cambria recommends completing the installation of soil borings SB-17 and SB-18, as previously approved by ACHCSA.

Cambria recommends continued ongoing monitoring at the site, including the new wells, which will be added to the quarterly sampling event beginning in 2004.

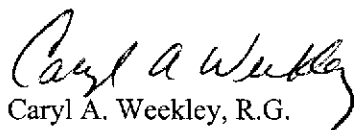
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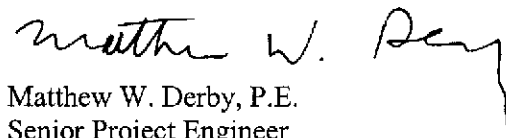
In order to install the proposed soil borings (SB-17 and SB-18), Cambria will continue to work with the adjacent property owner to reach an access agreement. When an agreement is signed, Cambria will renew the permits or, if necessary, resubmit the permit applications, and schedule the fieldwork.

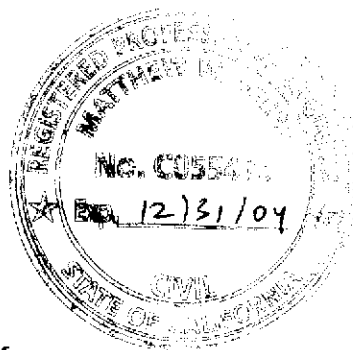
CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc.


Caryl A. Weekley, R.G.
Senior Project Geologist


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



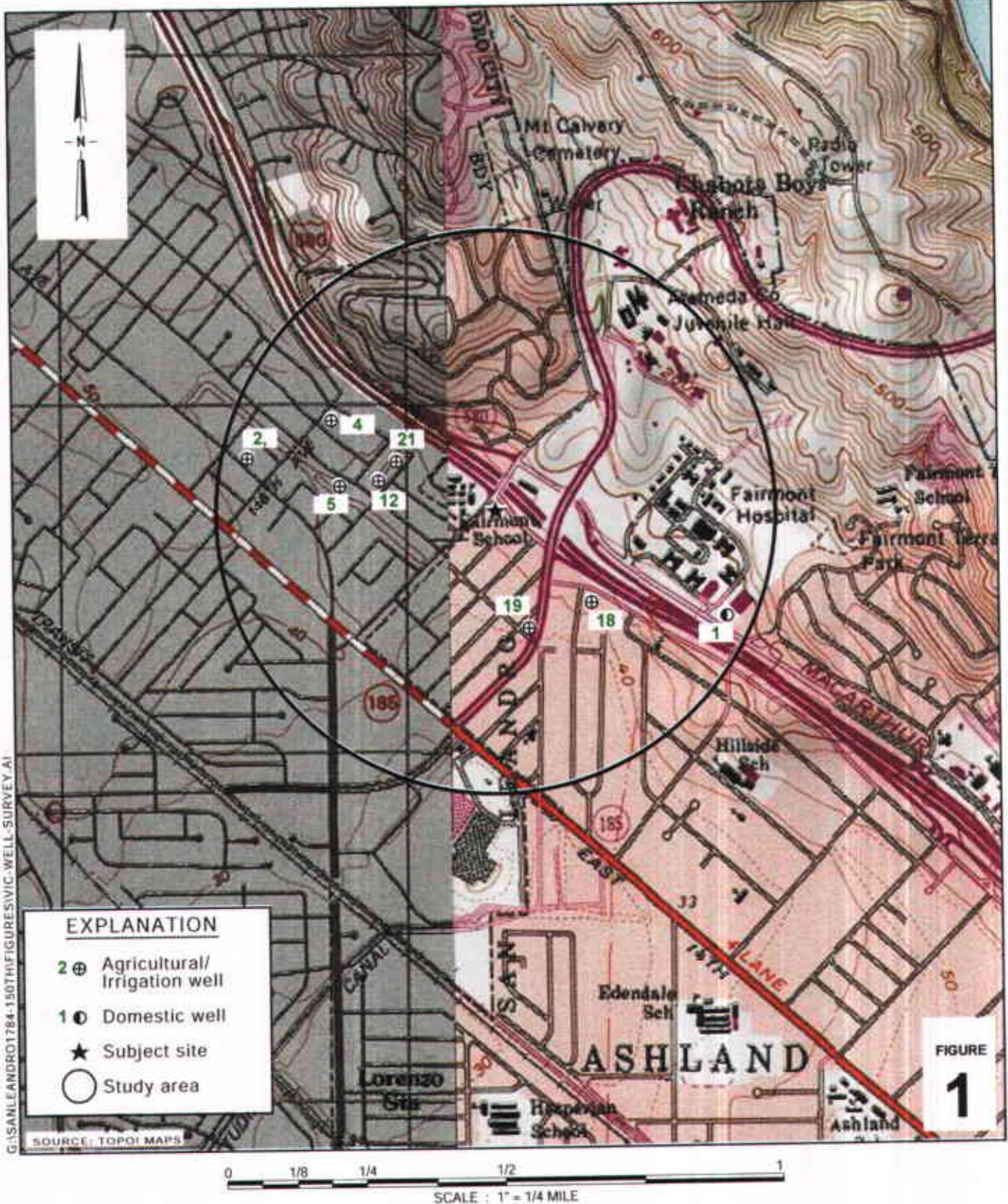
Figures: 1 - Vicinity/Area Well Survey Map
 2 - Monitoring Well Location Map

Tables: 1 - Current and Historical Soil Analytical Results

Attachments: A - Standard Field Procedures for Monitoring Well Installation
 B - Permits
 C - Boring Logs
 D - Virgil Chavez Well Survey Report
 E - Certified Laboratory Report
 F - Disposal Confirmation Report
 G - Well Driller's Completion Reports

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
 Victor Lemon, City of San Leandro, Engineering and Transportation Division, 835 East
 14th Street, San Leandro, CA. 94577
 City of San Leandro, Environmental Division, 835 East 14th Street, San Leandro, CA.
 94577

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Installation Report.doc



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EXPLANATION

- 2 ⊕ Agricultural/Irrigation well
- 1 ○ Domestic well
- ★ Subject site
- Study area

FIGURE 1

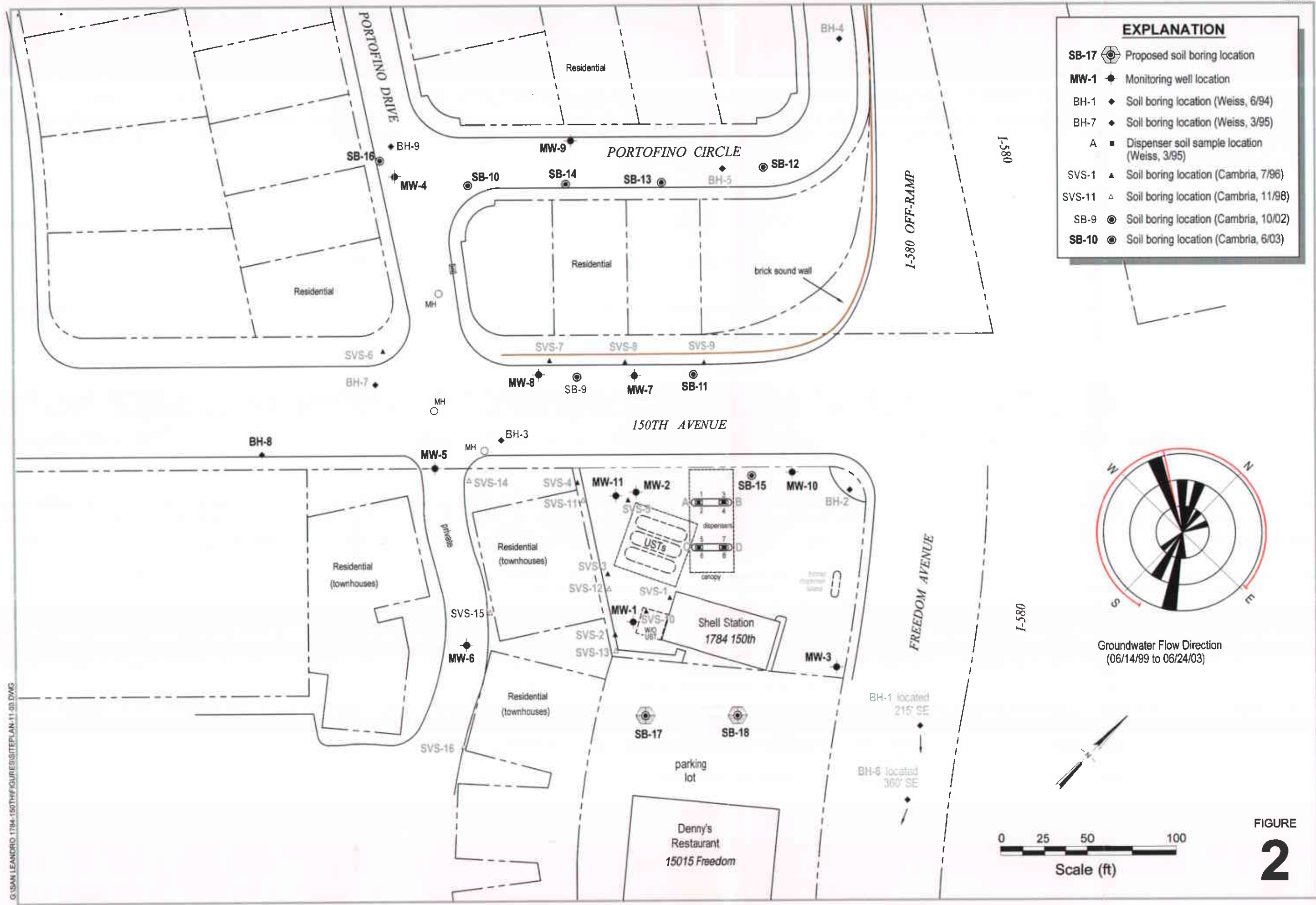
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SCALE : 1" = 1/4 MILE

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



C A M B R I A

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



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Monitoring Well Location Map



C A M B R I A

Shell-branded Service Station

1784 150th Avenue
San Leandro, California
Incident #89996068

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

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

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

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	MTBE
								EPA Method 8020	EPA Method 8260
		(fbg)	(Concentrations in mg/kg)						
Disp-A	12/4/1997	2.0	3.1	<0.005	0.037	0.022	<0.01	0.019	---
Disp-A, 4.5	12/4/1997	4.5	6.3	0.096	0.012	0.46	0.037	0.056	---
Disp-B	12/4/1997	2.0	130	<1	<1	<1	<2	<1	---
Disp-B, 4.5	12/4/1997	4.5	1.0	0.045	<0.005	0.064	0.32	<0.03	---
Disp-C	12/4/1997	2.0	190	1.8	2.1	3.6	20	1.4	---
Disp-C, 4.5 ^h	12/4/1997	4.5	590	<0.5	0.98	2.3	3.1	<0.5	---
Disp-D	12/4/1997	2.0	3.8	0.11	<0.005	0.15	0.17	0.11	---
Disp-D, 4.5	12/4/1997	4.5	1.4	0.027	<0.005	0.036	0.178	0.005	---
SVS-11-5.5	11/10/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-6	11/10/1998	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-9.5	11/10/1998	9.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-10	11/10/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-15	11/10/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-15.5	11/10/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-19	11/10/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-11-19.5	11/10/1998	19.5	1.6	0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-14-15.5	11/11/1998	15.5	<1.0	<0.0050	0.006	<0.0050	<0.0050	<0.025	---
SVS-14-19	11/11/1998	19	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.029	<25
SVS-14-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-4.5	11/11/1998	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	0.013	<0.025	---
SVS-15-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---

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

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	MTBE
								EPA Method 8020	EPA Method 8260
			(fbg)	←————— (Concentrations in mg/kg) —————→					
SVS-15-19.5	11/11/1998	19.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-15-20	11/11/1998	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-5	11/11/1998	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-5.5	11/11/1998	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-10	11/11/1998	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-10.5	11/11/1998	10.5	<1.0	<0.0050	<0.0050	<0.0050	0.0093	0.026	---
SVS-16-15	11/11/1998	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
SVS-16-15.5	11/11/1998	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	---
MW-5-515.5	10/24/01	15.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
MW-6-5.5	10/24/01	5.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	0.012
MW7@5'	10/03/02	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@10'	10/03/02	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@15'	10/03/02	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@20'	10/03/02	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW7@25'	10/03/02	25	11	<0.0050	0.0060	0.086	0.13	---	<0.5
MW7@30'	10/03/02	30	68	<0.025	0.19	0.89	3.7	---	<0.5
MW7@32'	10/03/02	32	1.2	<0.0050	0.0069	0.025	0.11	---	<0.5
MW8@5'	10/04/02	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@10'	10/04/02	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@15'	10/04/02	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@20'	10/04/02	20	1.2	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.5
MW8@25'	10/04/02	25	140	0.072	0.15	1.5	5.8	---	<0.5
SB9@22	10/04/02	22	1.1	<0.0050	<0.0050	0.016	0.088	---	<0.5
SB-10-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-22'	6/23/03	22	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-25'	6/23/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-30	6/23/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-37'	6/23/03	37	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-10-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050

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

Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	MTBE
								EPA Method 8020	EPA Method 8260
			(fbg)	(Concentrations in mg/kg)					
SB-11-15'	6/24/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-24'	6/24/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-28'	6/24/03	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-11-30'	6/24/03	30	650	<0.50	<0.50	3.5	9.9	---	<0.50
SB-12-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-25'	6/24/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-30'	6/24/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-35'	6/24/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-12-39.5'	6/24/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-24'	6/23/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-30'	6/23/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-35'	6/23/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-13-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-10'	6/24/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-20'	6/24/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-24'	6/24/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-30'	6/24/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-35'	6/24/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-14-39.5'	6/24/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-10'	6/26/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-15'	6/26/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-20'	6/26/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-22.5'	6/26/03	22.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-15-35'	6/26/03	35	1.4	0.10	<0.0050	0.030	0.0055	---	<0.0050
SB-16-10'	6/23/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-20'	6/23/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050
SB-16-24'	6/23/03	24	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050

CAMBRIA

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

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	MTBE	
								EPA Method 8020	EPA Method 8260	
			← (Concentrations in mg/kg) →							
SB-16-28'	6/23/03	28	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
SB-16-35'	6/23/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
SB-16-39.5'	6/23/03	39.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-5'	11/19/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-10'	11/19/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-15'	11/19/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-20'	11/19/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-25'	11/19/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-30'	11/19/03	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-9-35'	11/19/03	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-5'	11/20/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-10'	11/20/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-15'	11/20/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-20'	11/20/03	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-25'	11/20/03	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-10-30'	11/20/03	30	14	<0.023	<0.023	<0.023	<0.023	---	<0.023	
MW-10-31.5'	11/20/03	31.5	230	<0.50	<0.50	2.2	1.5	---	<0.50	
MW-11-5'	11/20/03	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-11-10'	11/20/03	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-11-15'	11/20/03	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	
MW-11-20'	11/20/03	20	1.8	<0.0050	<0.0050	0.0084	0.013	---	0.039	
MW-11-24.5'	11/20/03	24.5	330	<0.50	1.6	4.8	29	---	1.4	

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

Sample ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	MTBE
								EPA Method 8020	EPA Method 8260

(Concentrations in mg/kg)

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. From 1990 through 1998, analyzed by modified EPA Method 8015; from 2001 through 2003, analyzed by EPA Method 8260B.

Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8020 from 1990 through 1998; from 2001 through 2003, analyzed by EPA Method 8260B.

MTBE = Methyl tert-butyl ether

fbg = Feet below grade

mg/kg = milligrams per kilogram

<n = Below detection limit of n mg/kg

--- = Not analyzed

Notes:

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

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

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

d = 1,2-dichloroethane detected at 0.0064 ppm by EPA Method 8010.

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

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

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

h = Sample saturated with perched water from beneath dispenser.

ATTACHMENT A

Standard Procedures for Monitoring Well Installation

CAMBRIA

STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATIONS

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



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 870-6633 James Yoo
FAX (510) 782-1539

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1784 150th St
San Leandro, Ca.
2 Soil Borings
3 Wells

PERMIT NUMBER: W03-1017
WELL NUMBER _____
APN _____

CLIENT
Name: Shell Oil Products Co. (US)
Address: P.O. Box 7869 Phone: (510) 645-1903
City: Berkeley, Ca 94702 Zip: 94702-7869

APPLICANT
Name: Cambric Environmental Fax: (510) 410-4190
Address: 5700 Hollis St. Ste A Phone: (510) 470-3339
City: Fremont, Ca. Zip: 94605

TYPE OF PROJECT

Well Construction _____ Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction
Soil Borings

PROPOSED WATER SUPPLY WELL USE

Now Domestic Replacement Domestic
Municipal Irrigation
Industrial Other: Environmental
monitoring

DRILLING METHOD:

Mud Rotary Air Rotary Auger
Cable Other: X geoprobe Soil borings

DRILLER'S NAME: Greys Drilling

DRILLER'S LICENSE NO.: C-57-485-165

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: 2 Maximum _____
Hole Diameter: 2 1/2 in. Depth: 30 ft

STARTING DATE: 11/19-21/2003

COMPLETION DATE: 11/21/2003

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

APPLICANT'S SIGNATURE: [Signature] DATE: 11/5/2003

PLEASE PRINT NAME: Stewart A. Datz Jr Rev. 9-18-02

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 cartridge.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

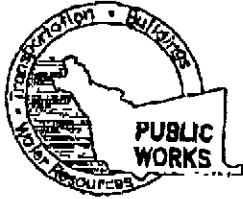
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS B #1 Attached.

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

DATE: 11-10-03



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. ILAYWARD CA. 94544-1395
PHONE (510) 670-6633 Janet Yeo
FAX (510) 782-1939

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1784 150th St
San Leandro, Ca.
2 Soil borings
3 Wells

PERMIT NUMBER W23-1018
WELL NUMBER _____
APN _____

CLIENT
Name Shell Oil Products Co. (US)
Address P.O. Box 7869 Phone (510) 675-1903
City Baltimore, Ca 91510 Zip 91510-7869

APPLICANT
Name Cambr Environmental
Address 5900 Hillis St. Ste A Phone (510) 470-3339
City Emeryville, Ca. Zip 94605

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other Environmental
Monitoring

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Greys Drilling
DRILLER'S LICENSE NO. C-57-485-165

WELL PROJECTS
Drill Hole Diameter 4 1/2" in. Maximum Depth 35 ft.
Casing Diameter 4 1/2" in. Owner's Well Number MW-9
Surface Seal Depth 0 ft.

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

STARTING DATE 11/19-21/2003

COMPLETION DATE 11/21/2003

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

APPLICANT'S SIGNATURE [Signature] DATE 11/5/2003

PLEASE PRINT NAME Steven A. Daulton Rev.9-18-02

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.

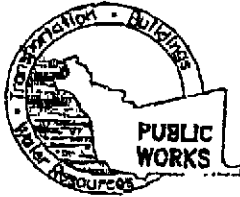
- E. CATHODIC**
Fill hole anode zone with concrete placed by tremie.

- 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 Attached.

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 11-10-03



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. BAYWARD 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

FOR OFFICE USE

LOCATION OF PROJECT 1784 150th St
San Leandro, Ca.
2 Soil borings
3 wells

PERMIT NUMBER W03-1019
WELL NUMBER _____
APN _____

CLIENT

Name Shell Oil Products Co. (US)
Address P.O. Box 7869 Phone (510) 685-1903
City Burbank, Ca 91500 Zip 91500-7869

APPLICANT

Name Cambria Environmental Fax (510) 470-6170
Address 5900 Hillig St. Ste A Phone (510) 470-3339
City Emeryville, Ca. Zip 94605

TYPE OF PROJECT

Well Construction Geotechnical Investigation
Cathodic Protection
Water Supply
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE

Now Domestic Replacement Domestic
Municipal Irrigation
Industrial Other Environmental
water recovery

DRILLING METHOD:

Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Greys Drilling

DRILLER'S LICENSE NO. C-57-485-165

WELL PROJECTS

Drill Hole Diameter 7" 10" in. Maximum Depth 35 ft.
Casing Diameter 7" in. Owner's Well Number MW-10
Surface Seal Depth 0 ft.
3 wells

GEOTECHNICAL PROJECTS

Number of Borings _____ Maximum Depth _____ ft.
Hole Diameter _____ in.

STARTING DATE 11/19-21/2003

COMPLETION DATE 11/21/2003

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

APPLICANT'S SIGNATURE Stewart A. Decker DATE 11/5/2003

PLEASE PRINT NAME Stewart A. Decker

Rev. 9-18-02

PERMIT CONDITIONS

Circled Permit Requirements Apply

A GENERAL

1. A permit application should be submitted 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 foot replaced in kind or with compacted cuttings.

E CATHODIC

Fill hole anode zone with concrete placed by tremie.

F WELL DESTRUCTION

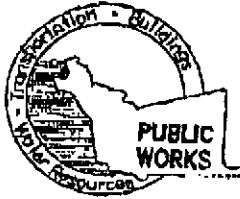
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G SPECIAL CONDITIONS

NW#1 Attached.

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 11-10-03



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. (LAYWARD 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 1784 150th St
San Leandro, Ca.
2 soil borings
3 wells

CLIENT
Name Shell Oil Products Co. (US)
Address P.O. Box 7869 Phone (558) 685-1903
City Richmond, Ca 94510 Zip 94510-2869

APPLICANT
Name Camari Environmental Fax (510) 410-6110
Address 5400 Hillis St. Ste A Phone (510) 470-3339
City Emeryville, Ca Zip 94605

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other Subsidence Monitoring

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Greys Drilling
DRILLER'S LICENSE NO. C-57-485-165

WELL PROJECTS
Drill Hole Diameter 10" in. Maximum Depth 35 ft
Casing Diameter 7" in. Owner's Well Number MW-11
Surface Seal Depth 0 ft. 3 wells

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

STARTING DATE 11/19-21/2003

COMPLETION DATE 11/21/2003

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-65.

APPLICANT'S SIGNATURE [Signature] DATE 11/5/2003

PLEASE PRINT NAME Steven A. Daly Jr Rev. 9-18-02

FOR OFFICE USE

PERMIT NUMBER W03-1020
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

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

B. WATER SUPPLY WELLS

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

D. GEOTECHNICAL

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

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

G. SPECIAL CONDITIONS

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

MW #1 Attached

APPROVED [Signature] DATE 11/05/03

MISC

CITY OF SAN LEANDRO

03501

Service No. _____

APPLICATION TO PERFORM WORK IN THE PUBLIC RIGHT-OF-WAY

Permit Number

11/13/03

Date Approved

Work Site: 1784 150th Street San Leandro CA

Applicant: Name Combra Wiremetal Address 5900 161st St. Ste A Emeryville CA 94608 Tel. 5104203339

Owner: Name Shell Oil Products (US) Address P.O. box 7889, Berkeley CA 94710 Tel. 510 645 9306

Emergency: Name Stewart Delice Mobile 510 250 0206 Tel. 5104203339

Purpose of Permit:

- Utility Street Excavation Curb, Gutter, Sidewalk, Driveway Other new way well

Detailed Description and Dimensions of Work: Please see attached work plus site plan, traffic safety plan & soil being location map

Plan Submitted: Yes X No _____ Profile Submitted: Yes X No _____

Date Work to be Started: Nov 19th 2003 Date Work to be Completed: Nov 21st 2003

Building Permit No: N/A State Encroachment Permit No. N/A

Oro Loma Permit No. N/A Alameda County ~~Public Works~~ Permit No. pending 11/5

Excavation and Grading Permit No. NA

Compliance with State Labor Code, in accordance with Section 3800:

- 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. C57-485-165, 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. on file

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 Delice Signature: [Signature] Date: 11/5/03

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

SPECIAL PROVISIONS

Backfill Required ALL WORK PER CITY GENERAL PROVISIONS

Pavement Section Required PROVISIONS

Minimum Depth of Cover ALSO SEE 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.

PERMIT IS VALID WHEN SIGNED

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

[Signature]

SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK

INSPECTION RECORD

Date	Comments	Insp	Hrs. Charged

PERMIT FEE: \$50 To Acct #3306

RESTORE/INSPECT DEPOSIT: \$1075 To CN#

STREET CUT FEE: _____ To Acct #3304

TOTAL: \$1125

- All charges collected at permit issuance
- All charges to be billed to CN# 15830

NOTE: 1/2 hr. minimum charge per inspection stop Hours forwarded from reverse side _____ TOTAL HOURS CHARGED: _____

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

ATTACHMENT C

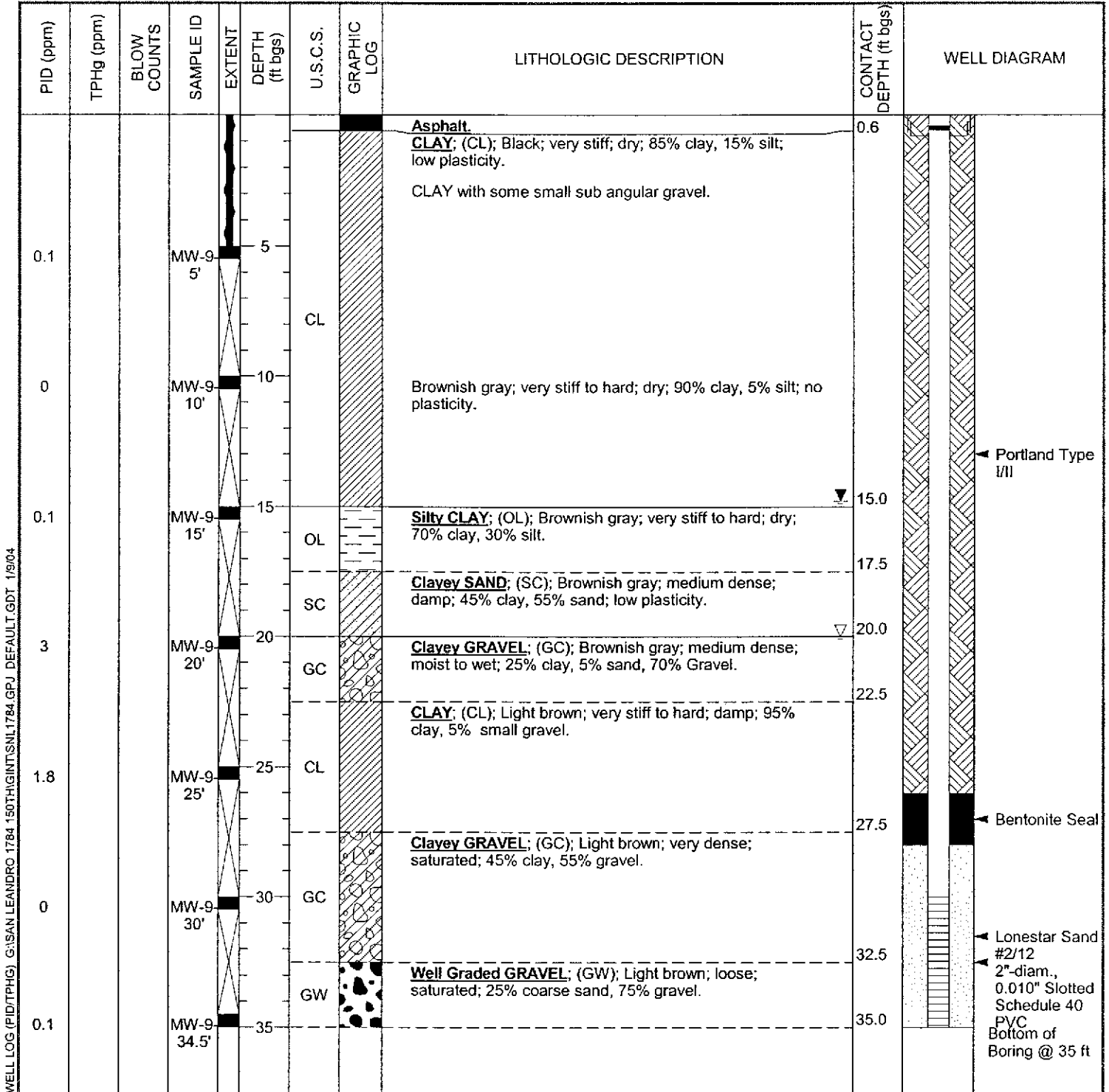
Boring Logs



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 US	BORING/WELL NAME	MW-9
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	19-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	19-Nov-03
PROJECT NUMBER	245-0612-010	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	41.84
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	41.65 ft
BORING DIAMETER	8"	SCREENED INTERVAL	30 to 35 ft bgs
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	20.0 ft (19-Nov-03) ▼
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	14.8 ft (20-Nov-03) ▼
REMARKS	Hand augered to 5 fbg, located in Portofino Circle.		



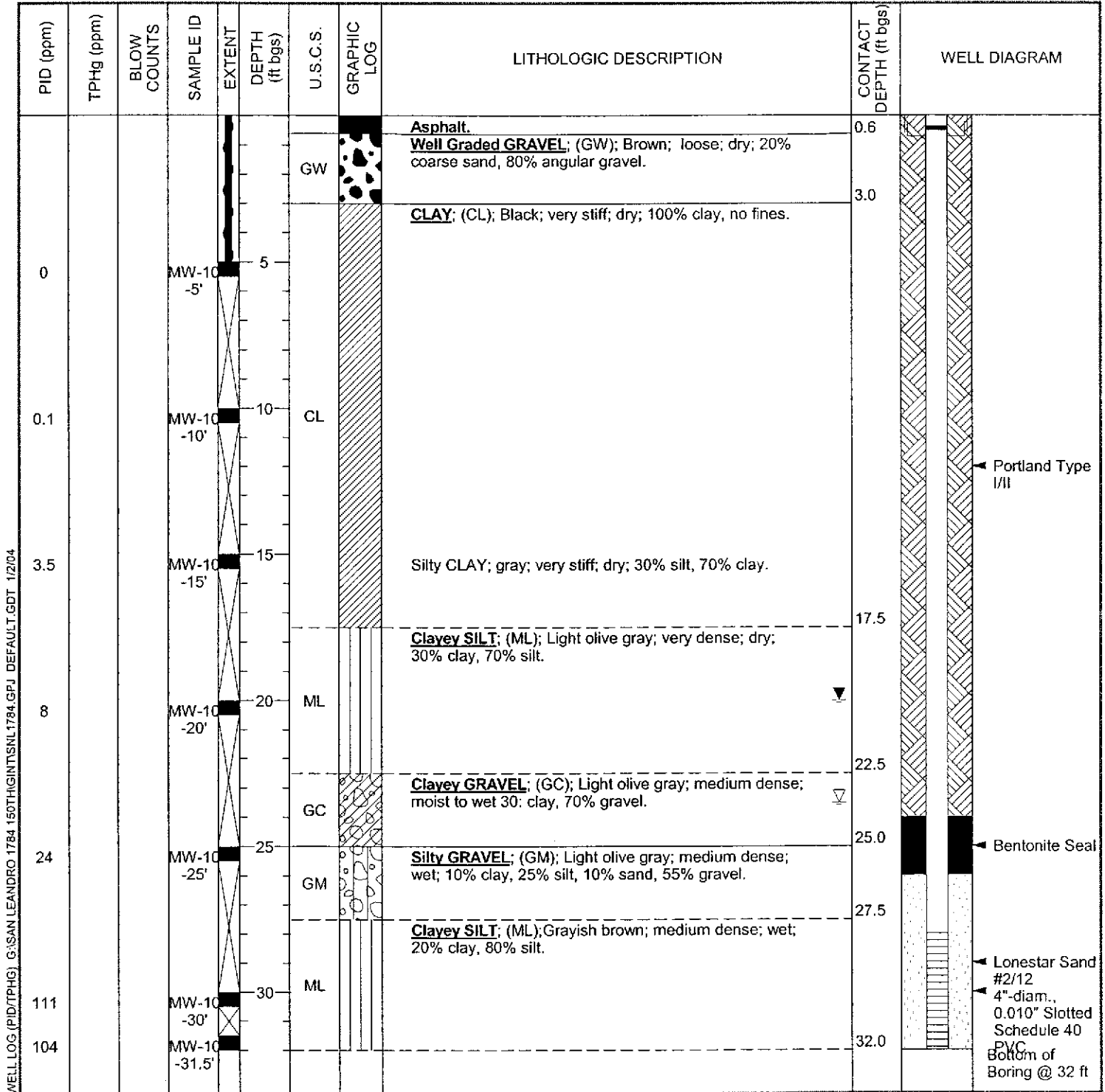
WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINT\SNL1784.GPJ DEFAULT.GDT 1/9/04



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 US	BORING/WELL NAME	MW-10
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	20-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	20-Nov-03
PROJECT NUMBER	245-0612-010	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	50.98
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	50.64 ft
BORING DIAMETER	10"	SCREENED INTERVAL	28 to 32 ft bgs
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	23.5 ft (20-Nov-03) ▽
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	20.0 ft (20-Nov-03) ▽
REMARKS	Hand augered to 5 fbg.		



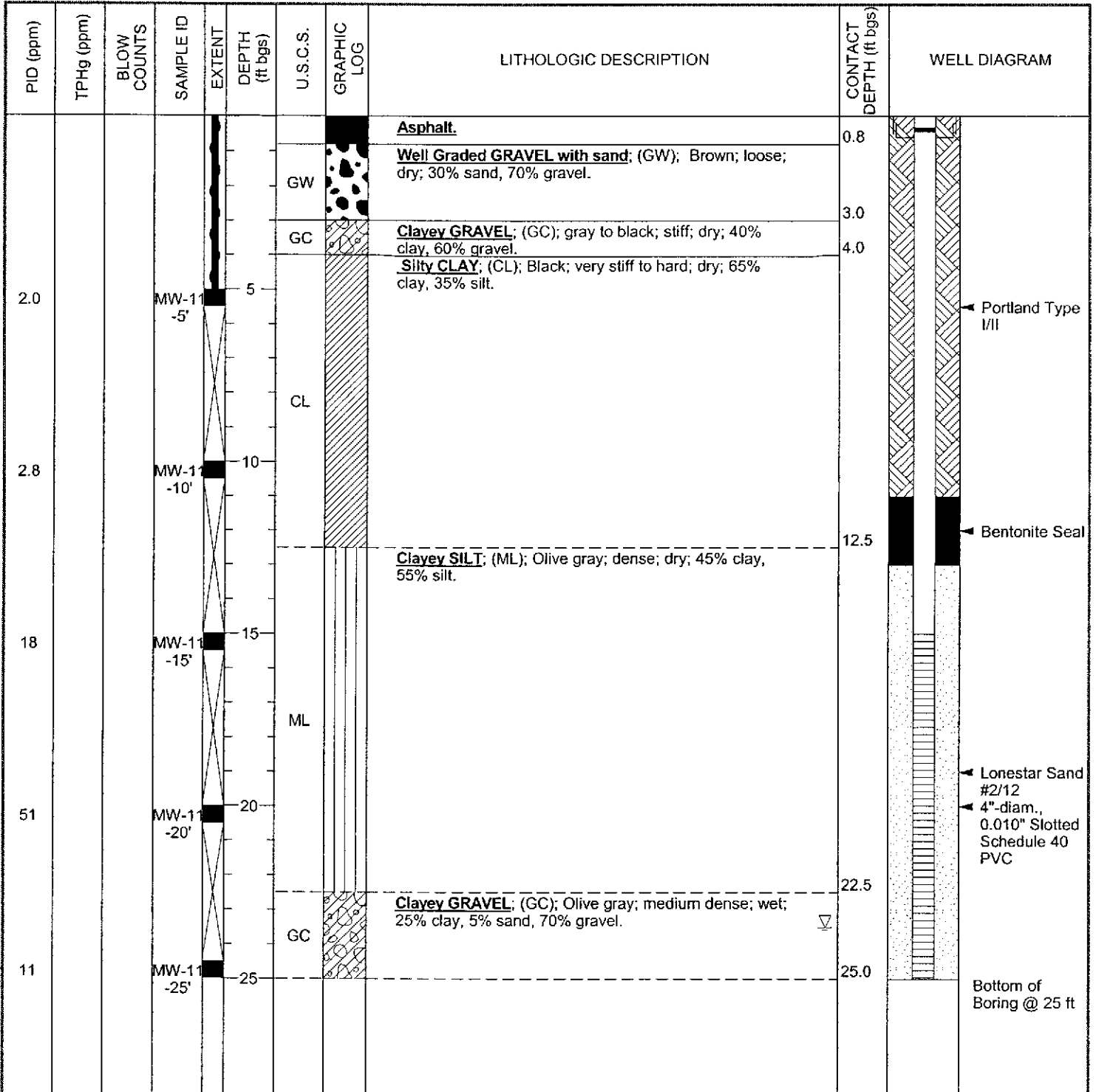
WELL LOG (PID/TPHG) G:\SAN LEANDRO 1784 150TH\GINTS\NL1784.GPJ DEFAULT.GDT 1/2/04



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 US	BORING/WELL NAME	MW-11
JOB/SITE NAME	1784 150th Avenue	DRILLING STARTED	20-Nov-03
LOCATION	San Leandro, California	DRILLING COMPLETED	20-Nov-03
PROJECT NUMBER	245-0612-010	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	45.94
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	45.58 ft
BORING DIAMETER	10"	SCREENED INTERVAL	15 to 25 ft bgs
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	23.5 ft (20-Nov-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		



ATTACHMENT D

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

December 17, 2003
Project No.: 2110-77

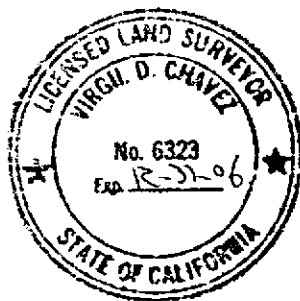
Stu Dalie
Cambria Environmental
5900 Hollis Street, Suite A
Emeryville, CA 94608

Subject: Monitoring Well Survey
Shell-Branded Service Station
1784 150th Avenue
San Leandro, CA

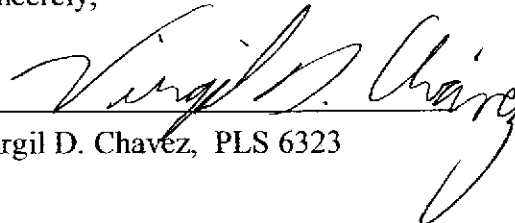
Dear Stu:

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 December 11, 2003. The benchmark for this survey was a cinch nail in top of catch basin northwest corner of 150th and East 14th Streets. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark Elevation = 36.883 feet (NGVD 29).

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
				41.84	RIM MW-9
37.7093743	-122.1253944	2084844.41	6091501.49	41.65	TOC MW-9
				50.98	RIM MW-10
37.7092599	-122.1245814	2084798.68	6091735.90	50.64	TOC MW-10
				45.94	RIM MW-11
37.7090252	-122.1248290	2084714.46	6091662.80	45.58	TOC MW-11



Sincerely,


Virgil D. Chavez, PLS 6323

ATTACHMENT E

Certified Laboratory Report

Cambria Environmental Emeryville

December 09, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 245-0612

Project: 98996068

Site: 1784 150th Street, San Leandro, CA

Dear Mr. Dalie:

Attached is our report for your samples received on 11/21/2003 15:25

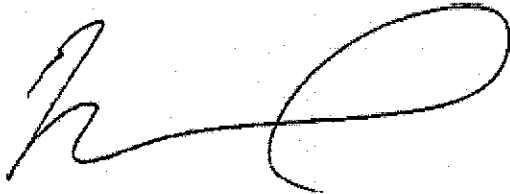
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/05/2004 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 Laboratories, Inc.

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

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

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: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-9-5'	11/19/2003 10:00	Soil	1
MW-9-10'	11/19/2003 10:10	Soil	2
MW-9-15'	11/19/2003 10:15	Soil	3
MW-9-20'	11/19/2003 10:20	Soil	4
MW-9-25'	11/19/2003 10:35	Soil	5
MW-9-30'	11/19/2003 10:40	Soil	6
MW-9-35'	11/19/2003 11:00	Soil	7
MW-11-5'	11/20/2003 08:00	Soil	8
MW-11-10'	11/20/2003 08:10	Soil	9
MW-11-15'	11/20/2003 08:15	Soil	10
MW-11-20'	11/20/2003 08:30	Soil	11
MW-10-5'	11/20/2003 10:30	Soil	13
MW-10-10'	11/20/2003 10:45	Soil	14
MW-10-15'	11/20/2003 10:50	Soil	15
MW-10-20'	11/20/2003 11:00	Soil	16
MW-10-25'	11/20/2003 11:15	Soil	17
MW-10-30'	11/20/2003 11:30	Soil	18

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: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-5	Lab ID:	2003-11-0806 - 1
Sampled:	11/19/2003 10:00	Extracted:	11/25/2003 11:43
Matrix:	Soil	QC Batch#:	2003/11/25-1A:69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 11:43	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 11:43	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 11:43	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 11:43	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 11:43	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 11:43	
Surrogate(s)						
1,2-Dichloroethane-d4	88.8	70	%	1.00	11/25/2003 11:43	
Toluene-d8	100.4	81	%	1.00	11/25/2003 11:43	

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: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-10	Lab ID:	2003-11-0806 - 2
Sampled:	11/19/2003 10:10	Extracted:	11/25/2003 12:02
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 12:02	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:02	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:02	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:02	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 12:02	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 12:02	
Surrogate(s)						
1,2-Dichloroethane-d4	83.6	70	%	1.00	11/25/2003 12:02	
Toluene-d8	105.9	81	%	1.00	11/25/2003 12:02	

Severn Trent Laboratories, Inc.

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

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

12/06/2003 11:17

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: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-15	Lab ID:	2003-11-0806 - 3
Sampled:	11/19/2003 10:15	Extracted:	11/25/2003 12:20
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 12:20	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:20	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 12:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 12:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 12:20	
Surrogate(s)						
1,2-Dichloroethane-d4	91.4	70	%	1.00	11/25/2003 12:20	
Toluene-d8	101.0	81	%	1.00	11/25/2003 12:20	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-20	Lab ID:	2003-11-0806 - 4
Sampled:	11/19/2003 10:20	Extracted:	11/25/2003 13:16
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 13:16	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:16	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 13:16	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 13:16	
Surrogate(s)						
1,2-Dichloroethane-d4	89.6	70	%	1.00	11/25/2003 13:16	
Toluene-d8	107.6	81	%	1.00	11/25/2003 13:16	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-25	Lab ID:	2003-11-0806 - 6
Sampled:	11/19/2003 10:35	Extracted:	11/25/2003 13:35
Matrix:	Soil	QC Batch#:	2003/11/25-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 13:35	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:35	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:35	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 13:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 13:35	
Surrogate(s)						
1,2-Dichloroethane-d4	93.3	70	%	1.00	11/25/2003 13:35	
Toluene-d8	93.9	81	%	1.00	11/25/2003 13:35	

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

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Project: 245-0612

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-30	Lab ID:	2003-11-0806 - 6
Sampled:	11/19/2003 10:40	Extracted:	11/25/2003 13:54
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 13:54	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:54	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 13:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 13:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 13:54	
Surrogate(s)						
1,2-Dichloroethane-d4	91.2	70	%	1.00	11/25/2003 13:54	
Toluene-d8	95.7	81	%	1.00	11/25/2003 13:54	

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12/06/2003 11:17

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

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Project: 245-0612

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-9-35	Lab ID:	2003-11-0806-7
Sampled:	11/19/2003 11:00	Extracted:	11/25/2003 14:12
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 14:12	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:12	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:12	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 14:12	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 14:12	
Surrogate(s)						
1,2-Dichloroethane-d4	86.6	70	%	1.00	11/25/2003 14:12	
Toluene-d8	96.4	81	%	1.00	11/25/2003 14:12	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-5	Lab ID:	2003-11-0806 - 8
Sampled:	11/20/2003 08:00	Extracted:	11/25/2003 14:30
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 14:30	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:30	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 14:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 14:30	
Surrogate(s)						
1,2-Dichloroethane-d4	93.4	70	%	1.00	11/25/2003 14:30	
Toluene-d8	106.5	81	%	1.00	11/25/2003 14:30	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-10	Lab ID:	2003-11-0806 - 9
Sampled:	11/20/2003 08:10	Extracted:	11/25/2003 14:49
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 14:49	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:49	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 14:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 14:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 14:49	
Surrogate(s)						
1,2-Dichloroethane-d4	87.1	70	%	1.00	11/25/2003 14:49	
Toluene-d8	93.1	81	%	1.00	11/25/2003 14:49	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-15	Lab ID:	2003-11-0806 - 10
Sampled:	11/20/2003 08:15	Extracted:	11/25/2003 15:08
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 15:08	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:08	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:08	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:08	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 15:08	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 15:08	
Surrogate(s)						
1,2-Dichloroethane-d4	88.6	70	%	1.00	11/25/2003 15:08	
Toluene-d8	106.0	81	%	1.00	11/25/2003 15:08	

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

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98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-20	Lab ID:	2003-11-0806 - 11
Sampled:	11/20/2003 08:30	Extracted:	11/26/2003 12:23
Matrix:	Soil	QC Batch#:	2003/11/26-1C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1.8	1.0	mg/Kg	1.00	11/26/2003 12:23	g
Benzene	ND	0.0050	mg/Kg	1.00	11/26/2003 12:23	
Toluene	ND	0.0050	mg/Kg	1.00	11/26/2003 12:23	
Ethyl benzene	0.0084	0.0050	mg/Kg	1.00	11/26/2003 12:23	
Total xylenes	0.013	0.0050	mg/Kg	1.00	11/26/2003 12:23	
Methyl tert-butyl ether (MTBE)	0.039	0.0050	mg/Kg	1.00	11/26/2003 12:23	
Surrogate(s)						
1,2-Dichloroethane-d4	87.9	70	%	1.00	11/26/2003 12:23	
Toluene-d8	92.3	81	%	1.00	11/26/2003 12:23	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-5	Lab ID:	2003-11-0806-13
Sampled:	11/20/2003 10:30	Extracted:	11/25/2003 15:45
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 15:45	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:45	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 15:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 15:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 15:45	
Surrogate(s)						
1,2-Dichloroethane-d4	99.6	70	%	1.00	11/25/2003 15:45	
Toluene-d8	90.7	81	%	1.00	11/25/2003 15:45	

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

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Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-10	Lab ID:	2003-11-0806-14
Sampled:	11/20/2003 10:45	Extracted:	11/25/2003 16:03
Matrix:	Soil	QC Batch#:	2003/11/25-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 16:03	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:03	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:03	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 16:03	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 16:03	
Surrogate(s)						
1,2-Dichloroethane-d4	95.2	70	%	1.00	11/25/2003 16:03	
Toluene-d8	82.7	81	%	1.00	11/25/2003 16:03	

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

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Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-15	Lab ID:	2003-11-0806 - 15
Sampled:	11/20/2003 10:50	Extracted:	11/25/2003 16:22
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 16:22	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:22	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 16:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 16:22	
Surrogate(s)						
1,2-Dichloroethane-d4	87.6	70	%	1.00	11/25/2003 16:22	
Toluene-d8	94.5	81	%	1.00	11/25/2003 16:22	

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12/06/2003 11:17

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-20	Lab ID:	2003-11-0806 - 16
Sampled:	11/20/2003 11:00	Extracted:	11/25/2003 16:40
Matrix:	Soil	QC Batch#:	2003/11/25-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 16:40	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:40	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 16:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 16:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 16:40	
Surrogate(s)						
1,2-Dichloroethane-d4	85.0	70	%	1.00	11/25/2003 16:40	
Toluene-d8	105.6	81	%	1.00	11/25/2003 16:40	

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

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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-25	Lab ID:	2003-11-0806 - 17
Sampled:	11/20/2003 11:15	Extracted:	11/25/2003 19:15
Matrix:	Soil	QC Batch#:	2003/11/25-2A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/25/2003 19:15	
Benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 19:15	
Toluene	ND	0.0050	mg/Kg	1.00	11/25/2003 19:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/25/2003 19:15	
Total xylenes	ND	0.0050	mg/Kg	1.00	11/25/2003 19:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	11/25/2003 19:15	
Surrogate(s)						
1,2-Dichloroethane-d4	92.1	70	%	1.00	11/25/2003 19:15	
Toluene-d8	93.9	81	%	1.00	11/25/2003 19:15	

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

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Project: 245-0612
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Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-30	Lab ID:	2003-11-0806-18
Sampled:	11/20/2003 11:30	Extracted:	11/25/2003 19:34
Matrix:	Soil	QC Batch#:	2003/11/25-2A-69
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	14	4.6	mg/Kg	4.59	11/25/2003 19:34	g
Benzene	ND	0.023	mg/Kg	4.59	11/25/2003 19:34	
Toluene	ND	0.023	mg/Kg	4.59	11/25/2003 19:34	
Ethyl benzene	ND	0.023	mg/Kg	4.59	11/25/2003 19:34	
Total xylenes	ND	0.023	mg/Kg	4.59	11/25/2003 19:34	
Methyl tert-butyl ether (MTBE)	ND	0.023	mg/Kg	4.59	11/25/2003 19:34	
Surrogate(s)						
1,2-Dichloroethane-d4	91.5	70	%	4.60	11/25/2003 19:34	
Toluene-d8	94.0	81	%	4.60	11/25/2003 19:34	

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

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Project: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2003/11/25-1A.69	
MB: 2003/11/25-1A.69-011				Date Extracted: 11/25/2003 10:11	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	11/25/2003 10:11	
Gasoline	ND	1.000	mg/Kg	11/25/2003 10:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	11/25/2003 10:11	
Benzene	ND	0.0050	mg/Kg	11/25/2003 10:11	
Toluene	ND	0.0050	mg/Kg	11/25/2003 10:11	
Ethyl benzene	ND	0.0050	mg/Kg	11/25/2003 10:11	
Total xylenes	ND	0.0050	mg/Kg	11/25/2003 10:11	
Surrogates(s)					
1,2-Dichloroethane-d4	90.2	70-121	%	11/25/2003 10:11	
Toluene-d8	97.8	81-117	%	11/25/2003 10:11	

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

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Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report		
Prep(s): 5030B		Test(s): 8260B
Method Blank	Soil	QC Batch # 2003/11/25-2A.69
MB: 2003/11/25-2A.69-044		Date Extracted: 11/25/2003 18:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	11/25/2003 18:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	11/25/2003 18:44	
Benzene	ND	0.0050	mg/Kg	11/25/2003 18:44	
Toluene	ND	0.0050	mg/Kg	11/25/2003 18:44	
Ethyl benzene	ND	0.0050	mg/Kg	11/25/2003 18:44	
Total xylenes	ND	0.0050	mg/Kg	11/25/2003 18:44	
Surrogates(s)					
1,2-Dichloroethane-d4	92.8	70-121	%	11/25/2003 18:44	
Toluene-d8	93.0	81-117	%	11/25/2003 18:44	

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: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2003/11/26-1C.69	
MB: 2003/11/26-1C.69-047				Date Extracted: 11/26/2003 09:47	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	11/26/2003 09:47	
Benzene	ND	0.0050	mg/Kg	11/26/2003 09:47	
Toluene	ND	0.0050	mg/Kg	11/26/2003 09:47	
Ethyl benzene	ND	0.0050	mg/Kg	11/26/2003 09:47	
Total xylenes	ND	0.0050	mg/Kg	11/26/2003 09:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	11/26/2003 09:47	
Surrogates(s)					
1,2-Dichloroethane-d4	85.7	70-121	%	11/26/2003 09:47	
Toluene-d8	105.9	81-117	%	11/26/2003 09:47	

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: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Soil			QC Batch # 2003/11/25-1A.69				
LCS	2003/11/25-1A.69-034		Extracted: 11/25/2003			Analyzed: 11/25/2003 10:34				
LCSD	2003/11/25-1A.69-052		Extracted: 11/25/2003			Analyzed: 11/25/2003 09:52				
Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0481	0.0476	0.05	96.2	95.2	1.0	65-165	20		
Benzene	0.0442	0.0415	0.05	88.4	83.0	6.3	69-129	20		
Toluene	0.0508	0.0496	0.05	101.6	99.2	2.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	434	433	500	86.8	86.6		70-121			
Toluene-d8	463	477	500	92.6	95.4		81-117			

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: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Soil	QC Batch # 2003/11/25-2A.69	
LCS 2003/11/25-2A.69-006	Extracted: 11/25/2003	Analyzed: 11/25/2003 18:06	
LCSD 2003/11/25-2A.69-025	Extracted: 11/25/2003	Analyzed: 11/25/2003 18:25	

Compound	Conc.		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0443	0.0490	0.05	88.6	98.0	10.1	65-165	20		
Benzene	0.0515	0.0459	0.05	103.0	91.8	11.5	69-129	20		
Toluene	0.0546	0.0450	0.05	109.2	90.0	19.3	70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	460	450	500	92.0	90.0		70-121			
Toluene-d8	525	434	500	105.0	86.8		81-117			

Severn Trent Laboratories, Inc.

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

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

12/06/2003 11:17

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: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Soil			QC Batch # 2003/11/26-1C.69			
LCS	2003/11/26-1C.69-008			Extracted: 11/26/2003			Analyzed: 11/26/2003 09:08			
LCSD	2003/11/26-1C.69-029			Extracted: 11/26/2003			Analyzed: 11/26/2003 09:29			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0463	0.0429	0.05	92.6	85.8	7.6	69-129	20		
Toluene	0.0508	0.0541	0.05	101.6	108.2	6.3	70-130	20		
Methyl tert-butyl ether (MTBE)	0.0428	0.0454	0.05	85.6	90.8	5.9	65-165	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	415	412	500	83.0	82.4		70-121			
Toluene-d8	458	493	500	91.6	98.6		81-117			

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: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Legend and Notes

Analysis Flag

o

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

Result Flag

g

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-11-24.5'	11/20/2003 08:45	Soil	12
MW-10-31.5'	11/20/2003 11:45	Soil	19

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-11-24-5	Lab ID:	2003-11-0806 - 12
Sampled:	11/20/2003 08:45	Extracted:	12/1/2003 11:30
Matrix:	Soil	QC Batch#:	2003/12/01-03:66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	330	50	mg/Kg	1.00	12/04/2003 10:23	
Benzene	ND	0.50	mg/Kg	1.00	12/04/2003 10:23	
Toluene	1.6	0.50	mg/Kg	1.00	12/04/2003 10:23	
Ethyl benzene	4.8	0.50	mg/Kg	1.00	12/04/2003 10:23	
Total xylenes	29	0.50	mg/Kg	1.00	12/04/2003 10:23	
Methyl tert-butyl ether (MTBE)	1.4	0.50	mg/Kg	1.00	12/04/2003 10:23	
Surrogate(s)						
1,2-Dichloroethane-d4	82.3	76-130	%	1.00	12/04/2003 10:23	
Toluene-d8	99.5	78-115	%	1.00	12/04/2003 10:23	

Severn Trent Laboratories, Inc.

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

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

12/06/2003 11:17

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0612

98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-10-31.5	Lab ID:	2003-11-0806 - 19
Sampled:	11/20/2003 11:45	Extracted:	12/1/2003 11:30
Matrix:	Soil	QC Batch#:	2003/12/01-3A-66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	230	50	mg/Kg	1.00	12/03/2003 14:52	
Benzene	ND	0.50	mg/Kg	1.00	12/03/2003 14:52	
Toluene	ND	0.50	mg/Kg	1.00	12/03/2003 14:52	
Ethyl benzene	2.2	0.50	mg/Kg	1.00	12/03/2003 14:52	
Total xylenes	1.5	0.50	mg/Kg	1.00	12/03/2003 14:52	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	12/03/2003 14:52	
Surrogate(s)						
1,2-Dichloroethane-d4	76.0	76-130	%	1.00	12/03/2003 14:52	
Toluene-d8	89.0	78-115	%	1.00	12/03/2003 14:52	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2003/12/01-03.66	
MB: 2003/12/01-03.66-036				Date Extracted: 12/01/2003 13:36	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	12/01/2003 13:36	
Benzene	ND	0.50	mg/Kg	12/01/2003 13:36	
Toluene	ND	0.50	mg/Kg	12/01/2003 13:36	
Ethyl benzene	ND	0.50	mg/Kg	12/01/2003 13:36	
Total xylenes	ND	0.50	mg/Kg	12/01/2003 13:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	12/01/2003 13:36	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	76-130	%	12/01/2003 13:36	
Toluene-d8	94.8	78-115	%	12/01/2003 13:36	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/12/01-3A.66-036

Soil

Test(s): 8260B

QC Batch # 2003/12/01-3A.66

Date Extracted: 12/01/2003 13:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	12/01/2003 13:36	
Benzene	ND	0.50	mg/Kg	12/01/2003 13:36	
Toluene	ND	0.50	mg/Kg	12/01/2003 13:36	
Ethyl benzene	ND	0.50	mg/Kg	12/01/2003 13:36	
Total xylenes	ND	0.50	mg/Kg	12/01/2003 13:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	12/01/2003 13:36	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	76-130	%	12/01/2003 13:36	
Toluene-d8	94.8	78-115	%	12/01/2003 13:36	

Severn Trent Laboratories, Inc.

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

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

12/06/2003 11:17

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Soil			QC Batch # 2003/12/01-03.66			
LCS	2003/12/01-03.66-048		Extracted: 12/01/2003			Analyzed: 12/01/2003 12:48				
LCSD	2003/12/01-03.66-012		Extracted: 12/01/2003			Analyzed: 12/01/2003 13:12				
Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9360	9530	10000	93.6	95.3	1.8	69-129	20		
Toluene	9460	9610	10000	94.6	96.1	1.6	70-130	20		
Methyl tert-butyl ether (MTBE)	9120	9140	10000	91.2	91.4	0.2	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	244	251	250	97.6	100.4		76-130			
Toluene-d8	231	243	250	92.4	97.2		78-115			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0612
98996068

Received: 11/21/2003 15:25

Site: 1784 150th Street, San Leandro, CA

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Soil	QC Batch # 2003/12/01-3A.66
LCS	2003/12/01-3A.66-048	Extracted: 12/01/2003	Analyzed: 12/01/2003 12:48
LCSD	2003/12/01-3A.66-012	Extracted: 12/01/2003	Analyzed: 12/01/2003 13:12

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.36	9.53	10.0	93.6	95.3	1.8	69-129	20		
Toluene	9.46	9.61	10.0	94.6	96.1	1.6	70-130	20		
Methyl tert-butyl ether (MTBE)	9.12	9.14	10.0	91.2	91.4	0.2	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	244	251	250	97.6	100.4		76-130			
Toluene-d8	231	243	250	92.4	97.2		78-115			

LAB: STL San Francisco

2003 SHELL Chain of Custody record

80523

Lab Identification (if necessary)

Address: 1220 Quarry Lane

City, State Zip: Pleasanton CA, 94588

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CAMP HOUSTON

Karen Patryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 8

DATE: 11/20/03

SAP or CRMT NUMBER (S/CRMT)

1 3 6 0 1 9

page 3 of 3

SAMPLING COMPANY: Gambria Environmental		LOG CODE: CETO	SITE ADDRESS (Street and City): 1784 150th Street, San Leandro CA		GLOBAL ID NO: T0600101230
ADDRESS: 6800 Hollis St. Ste A, Emeryville, CA		EPI DELIVERABLE TO (Responsible Party or Design): sheela.kandee@gambria-env.com		PHONE NO: 510-420-3339	EMAIL: sdalle@gambria-env.com
PROJECT CONTACT (Name/Title/Company): Stu Dally		SAMPLER NAME(S) (Prefix - Stu Dally)		CONTRACT PROJECT NO.: 245-0612	
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalle@gambria-env.com		LAB USE ONLY	

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

LA - RWCCB REPORT FORM LIST AGENCY

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

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

Please cc results to sdalle@gambria-env.com & mmunoz@gambria-env.com

REQUESTED ANALYSIS

TPH - Gas, Purgeable	TPH - BTEX	TBA	MTBE (R260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (R250B)	Methanol	EDS A 1,2-DCA (R260B)	EPA 5035 Extractions for Volatiles	VOCs Halogenated/Aromatic (R021B)	TRPH (418-1)	Vapor VOCs - BTEX / MTBE (TO-15)	Vapor VOCs - Full List (TO-15)	Vapor TPH (ASTM D4186)	Vapor Fixed Gases (ASTM D1646)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (R015M)	MTBE (R260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
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CA #	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	TPH - BTEX	TBA	MTBE (R260B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (R250B)	Methanol	EDS A 1,2-DCA (R260B)	EPA 5035 Extractions for Volatiles	VOCs Halogenated/Aromatic (R021B)	TRPH (418-1)	Vapor VOCs - BTEX / MTBE (TO-15)	Vapor VOCs - Full List (TO-15)	Vapor TPH (ASTM D4186)	Vapor Fixed Gases (ASTM D1646)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (R015M)	MTBE (R260B) Confirmation, See Note	TEMPERATURE ON RECEIPT (°C)
		DATE	TIME																						TEMPERATURE ON RECEIPT (°C)
	MW-10-5'	11/20/03	10:50	Soil	1	X	X		X																
	MW-10-10'		10:45		1	X	X		X																
	MW-10-15'		10:50		1	X	X		X																
	MW-10-20'		1:00		1	X	X		X																
	MW-10-25'		11:15		1	X	X		X																
	MW-10-30'		11:20		1	X	X		X																
	MW-10-31.5'		11:45		1	X	X		X																

Field point ID

MW-10

Relinquished by (Signature): <i>Stu Dally</i>	Received by (Signature): <i>Stewart Dally</i>	Date: 11/20/03	Time: 8:00 A.M.
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/21/03	Time: 15:25
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/21/03	Time: 16:25

DISTRIBUTION: White with Red Header, Green to Pink, Yellow and Pink to Client.

10/16/00 Revision

C&G COMPANY (774) 938-0750

LAB: STL San Francisco

2003 SHELL Chemical Custody Record

80523

Lab Identification (if necessary):

Address: 1720 Quarry Lane

City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 8

SAP or CRMT NUMBER (S/CRMT)

1 3 6 0 1 9

DATE 11/20/03

Page 1 of 3

SAMPLER COMPANY Cambria Environmental		LOG CODE CETO	SITE ADDRESS (Street and City) 1784 150th Street, San Leandro CA		GLOBAL ID NO. T0600101230
ADDRESS 6900 Hollis St. Ste A, Emeryville, CA		EDF REL/RELEASER TO (Responsible Party (Legal))		PHONE NO. 510-420-3339	CONSULTANT PROJECT NO. 245-0612
PROJECT CONTACT (Name & Title in PDF Report) Stu Dailie		Email sdailie@cambria-env.com		Email sdailie@cambria-env.com	
TELEPHONE 510-420-3339	FAX 510-420-9170	SAMPLER NAME(S) (Print) Stu Dailie		LAB USE ONLY	

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 EDO IS NOT NEEDED

Please cc results to sdailie@cambria-env.com & mmuniz@cambria-env.com

REQUESTED ANALYSIS

LAB USE	Field Sample Identification	SAMPLING		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 (80219)	TRPH (418-1)	Vapor VOCs - BTEX / MTBE (10-15)	Vapor VOCs - Full List (10-15)	Vapor TPH (ASTM 3416m)	Vapor Fused Gases (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C*	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																								
	MW-11-5'	11/20/03	8:00	Soil	1	X	X		X																		
	MW-11-10'		8:10		1	X	X		X																		
	MW-11-15'		8:15		1	X	X		X																		
	MW-11-20'		8:30		1	X	X		X																		
	MW-11-24.5'		8:45		1	X	X		X																		

On ICE Field point ID

MW-11

Requested by (Signature) <i>Stu Dailie</i>	Received by (Signature) <i>Stewart Dagle</i>	Date 11/20/03	Time 8:00 AM
Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 11/21/03	Time 10:25
Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 11/21/03	Time 16:25

LAB: STL San Francisco

2003 SHELL Chain of Custody Record

80523

Lab Identification (if necessary):

Address: 1320 Quarry Lane

City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be involved:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 QUALITY/COMPLIANCE

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 6 0 6 8

SAP or CRMT NUMBER (TS/CRMT)

1 3 6 0 1 9

DATE: 11/20/03

Page 1 of 3

SAMPLING COMPANY: Cambria Environmental		LOG CODE: CETO	SITE ADDRESS (Street and City): 1784 150th Street, San Leandro CA		GLOBAL ID NO: T0600101230
ADDRESS: 6500 Hollis St. Ste A, Emeryville, CA		EPA DELIVERABLE TO (Responsible Party or Designator): shelliclanderrh@cambria-env.com		PHONE NO: 510-420-3339	EMAIL: wdalke@cambria-env.com
PROJECT CONTACT (Name and e-MAIL Address): Stu Dalia		SAMPLER NAME(S) (Print): Stu Dalia		CORPORATE PROJECT NO: 245-0812	
TELEPHONE: 510-420-3339	FAX: 510-420-9170	EMAIL: sdalia@cambria-env.com			

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

LA - RWQCB REPORT FORM USE 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 sdalia@cambria-env.com & mmvuz@cambria-env.com

REQUESTED ANALYSIS

LA #	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgable	BTEX	TBA	MTBE (B200B - 0.5ppb RL)	TAME, DIPE, ETBE (see notes)	Ethanol (B250B)	Methanol	EDB & 1,2-DCA (B280B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (B021B)	TRPH (418-1)	Vapor VOCs BTEX/MTBE (70-15)	Vapor VOCs Full List (70-15)	Vapor TPH (ASTM 3415m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (B015m)	MTBE (B200B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 6.0°C On ICE Field point ID	TEMPERATURE ON RECEIPT °C
		DATE	TIME																							
	MW-9-5'	11/19/03	10 ⁰⁰	Soil	1	X	X		X																	
	MW-9-10'		10 ¹⁰			X	X		X																	
	MW-9-15'		10 ¹⁵			X	X		X																	
	MW-9-20'		10 ²⁰			X	X		X																	
	MW-9-25'		10 ²⁵			X	X		X																	
	MW-9-30'		10 ³⁰			X	X		X																	
	MW-9-34.5' 35'		11 ⁰⁰			X	X		X																	

Refrigerated by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/20/03	Time: 8:00 A.M.
Refrigerated by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/21/03	Time: 15:25
Refrigerated by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/21/03	Time: 16:25

DISTRIBUTION: White copy final report, Green to File, Yellow and Pink for cost.

12/16/00 Revision

CSO Graphic: 17-41 995 0762

ATTACHMENT F

Soil Disposal Confirmation Report



Hazardous Waste Hauler (Registration #2843)

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

Disposal Confirmation

Request for Transportation Received: 12/01/03

Consultant Information

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

Site Information

Station #: N/A
 Street Address: 1784 150th Street
 City, State, ZIP: San Leandro, CA

Customer: Shell Oil Company RESA-0023-LDC
 RIPR #: 30478
 SAP # / Location: 136019
 Incident #: 98996068
 Location / WIC #: 204-6857-1404
 Environmental Engineer: Karen Petryna

Material Description: Contaminated Soil
 Estimated Quantity: 4 - 5 Yards
 Service Requested Date:

Disposal Facility: Forward
 Contact: Griffith, Joe
 Phone: 800-204-4242
 Approval #: 2522
 Date of Disposal: 3.29 Tons
 Actual Tonnage:

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

ATTACHMENT G

Well Driller's Completion Reports

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED