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Denis L. Brown

Shell Oil Products US

May 5, 2005

HSE – Science & Engineering

Ms. Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
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Re: Site Investigation Report
Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code: 135683
Incident No. 98995744

Alameda County
MAY 09 2005
Environmental Health

Dear Ms. Garcia-LaGrille:

Equilon Enterprises LLC dba Shell Oil Products US (Shell) is providing this cover letter for the attached report as recommended in Appendix A of the "Tri-Regional Board Staff Recommendation For Preliminary Evaluation and Investigation of Underground Tank Sites".

To the best of Shell's knowledge:

- Local Implementing Agency (LIA) guidelines have been implemented.
- The attached reports are accurate.
- Shell agrees with the conclusions and recommendations contained with the report.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Shell Oil Products US

Denis L. Brown

Sr. Environmental Engineer

May 5, 2005

Ms. Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Site Investigation Report**
Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code 135683
Incident #98995744
Fuel Leak Case # RO0002441



Dear Ms. Garcia-LaGrille:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document recent site investigation activities at the above-referenced site. The purpose of the investigation was to further assess the extent of petroleum constituents in the soil and groundwater beneath the site. The scope of work followed during this investigation was presented in Cambria's July 19, 2004 *Site Investigation Report and Well Installation Work Plan*. The work was performed in accordance with San Francisco Bay Regional Water Quality Control Board (RWQCB) and Alameda County Public Works Agency (ACPWA) guidelines.

SITE BACKGROUND

Site Description: The site is an active Shell-branded Service Station, located at the intersection of Golf Links Road and Mountain Boulevard in Oakland, California (Figure 1). Residential and commercial properties surround the site. Highway 580 runs near the northern boundary of the site.

PREVIOUS WORK


1995 Waste Oil Underground Storage Tank (UST) Removal: On March 7, 1995, Weiss Associates of Emeryville, California (WA) observed the removal of a 550-gallon, single-walled, steel waste-oil UST and collected soil samples from the tank excavation floor and sidewalls. The highest hydrocarbon concentrations were 12,000 parts per million (ppm) total oil and grease (TOG), 190 ppm total petroleum hydrocarbons as gasoline (TPHg) and 3,900 ppm total petroleum hydrocarbons as diesel (TPHd), detected at 7 feet below grade (fbg). After over

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excavation, confirmation soil samples from a depth of 11 fbg at the site contained 62 ppm TOG, and no TPHg or TPHd. No benzene was detected in any of the excavation samples. Sidewall confirmation samples from approximately 7 – 8 fbg reported no TPHd, no TPHg, and no benzene.

1995 Subsurface Investigation: On December 15, 1995, WA advanced one soil boring (B-1 on Figure 2) to 48 fbg in the vicinity of the former waste oil UST. Hydrocarbons detected were 2.8 ppm TPHd at 30.5 fbg and 56 ppm TOG at 40.5 fbg. No groundwater was encountered.



1998 Dispenser Upgrade: On February 4, 1998, Cambria observed station upgrade activities and collected soil samples from beneath one dispenser (D-4). The highest hydrocarbon concentrations were 7,800 ppm TPHg and 37 ppm benzene beneath dispenser D-4 at 4.0 fbg (Figure 2). No field indications of hydrocarbons were observed beneath the other dispensers, and sample collection was not required.

1998 Subsurface Investigation: On July 6 and 31, 1998, Cambria installed one soil boring (SB-1) to a depth of 30 fbg in the vicinity of dispenser sample D-4. Hydrocarbons were detected at a maximum concentration of 14,000 ppm TPHg and 100 ppm benzene at 13 fbg. A maximum concentration of 91 ppm of methyl tertiary butyl ether (MTBE) was reported at 9 fbg by EPA Method 8020. This detection was confirmed by EPA Method 8260 at a concentration of 23 ppm. Low concentrations of TPHg (5.6 ppm), benzene (0.035 ppm), and MTBE (0.16 ppm) by EPA Method 8020 were reported in the deepest sample collected at approximately 26 fbg. Cambria was unable to collect a groundwater sample, as the only water encountered was an apparent thin perched zone at approximately 12 fbg.

1999 Subsurface Investigation: On August 25, 1999, Cambria installed five soil borings (SB-1b and SB-2 though SB-5) to depths ranging from 16 to 30 fbg. The maximum TPHg concentration detected in soil was 243 ppm at approximately 10 fbg in boring SB-2. The maximum MTBE concentration detected in soil was 2.23 ppm (by EPA Method 8260) at approximately 10 fbg in boring SB-4. No benzene was reported in any of the analyzed soil samples collected. A perched water zone was encountered at approximately 12 fbg in boring SB-2 and approximately 20 fbg in boring SB-3. Groundwater was not encountered in the remaining soil borings. Grab water samples collected from the perched water encountered in borings SB-2 and SB-3 contained were both impacted with a maximum of 256 parts per billion (ppb) TPHg, 2.42 ppb benzene and 11,800 ppb MTBE (by EPA Method 8020) in SB-2.

2000 Sensitive Receptor Survey: In 2000, Cambria conducted a sensitive receptor survey for a ¼-mile radius of the site. Results of the survey are shown on Figure 1. The only well identified within the ¼-mile survey radius was a cathodic protection well located approximately 1,150 feet north-northwest of the site. Arroyo Viejo Creek was the only identified surface water body within the survey radius. Arroyo Viejo Creek is located aboveground south-southwest of the site and is diverted into an underground storm drain culvert which runs beneath Golf Links Road. The culvert inlet to Arroyo Viejo Creek is located approximately 60 feet south-southwest of the site.



2000 Conduit Study: In 2000, Cambria reviewed storm drain and sanitary sewer maps from the City of Oakland Public Works Department and the California Department of Transportation. Locations, depths, and pipe diameters for the sanitary sewer and storm drain lines in the site vicinity are shown on Figure 2. These locations were reviewed and updated during a site visit in January 2005.

2004 Dispenser Upgrades: During upgrades of the dispensers and piping at this site in April 2004, eight soil samples were collected from depths between 4.5 – 5 fbg. The highest TPHg concentration was reported in soil from beneath dispenser piping at 5 fbg in P-1. This sample location was in very close proximity to the 1998 dispenser sample D-4. These activities and results were submitted in Cambria's July 16, 2004 *Product Dispenser and Piping Replacement Report*.

2004 Subsurface Investigation: On June 14, 2004 Cambria installed one pilot hole soil boring (PH-1) to a depth of 68.5 fbg in the vicinity of northwestern dispenser sample D-3. No TPHg, BTEX, or MTBE were detected in the soil samples collected from boring PH-1. The results are presented in Cambria's July 19, 2004 *Site Investigation Report and Well Installation Work Plan*.

Based on previous hydrocarbon detections Alameda County Health Care Services Agency requested that groundwater monitoring wells be installed at the site. The results of the field activities are presented below.

INVESTIGATION RESULTS

Personnel Present:

Cambria geologist Scott Lewis directed the field activities, working under the supervision of California Professional Geologist Ana Friel.

Permits: Boring permit Nos. W05-0037 through W05-0041 were obtained from ACPWA (Appendix A).

Drilling Company: Gregg Drilling and Testing, Inc. of Martinez, California (C57 License No. 485165).

Drilling Date: January 17-19, 2005 and February 23, 2005.

Drilling Method: Hollow-stem auger (HSA).

Soil Sampling Methods: Soil types were logged using the Unified Soil Classification System and Munsell Soil Color Charts. Encountered soil is described on the exploratory boring logs presented in Appendix B. Soil samples were collected continuously for lithologic description. Soil samples were screened in the field for the presence of organic vapors using a photo-ionization detector (PID). PID readings are recorded on the boring logs.

Number of Borings: Four HSA borings (S-1, S-2, S-4, and S-5) were drilled and converted into groundwater monitoring wells. A fifth boring was attempted at S-3; however, due to subsurface utilities and a void space which was encountered, well S-3 could not be completed. Boring specifications are described in Table 1 and the locations are shown on Figure 2.

Boring Depths: Boring S-1 was advanced to 19 fbg, boring S-2 to 12 fbg, boring S-3 to 8 fbg, boring S-4 to 20 fbg, and boring S-5 to 25 fbg.

Groundwater Depths: Groundwater was observed in borings S-1, S-2, S-4, and S-5 at depths ranging from 6 to 11 fbg.

Sediment Types: Sediment types encountered while drilling the borings generally consisted of interbedded layers of sandy silt, silt with gravel, silt with sand, silt (ML), gravel with sand (GW), silty gravel with sand (GM), silty sand with gravel, silty sand (SM), sand with silt and gravel (SW-SM), and sand (SP) to the total explored depth of 25 fbg (Appendix B).





Chemical Analyses: Soil samples were analyzed for TPHg, BTEX, and fuel oxygenates (MTBE, tertiary amyl methyl ether, ethyl tertiary butyl ether, tertiary butyl alcohol (TBA), and di-isopropyl ether) by EPA Method 8260B.

Soil Disposal: Soil generated during field activities was stored onsite, covered with plastic sheeting, sampled, and profiled for disposal. On March 3, 2005, Manley and Sons Trucking, Inc. of Sacramento, California transported 3.51 tons of soil to Allied Waste Industries' Forward Landfill in Manteca, California for disposal (Appendix C).

Well Materials: Wells S-1, S-2, S-4, and S-5 were constructed using four-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.020-inch and #2/12 Monterey sand.

Screened Interval: Well S-1 was screened from 7 to 18 fbg, well S-2 from 5 to 12 fbg, well S-4 from 7 to 14 fbg, and well S-5 from 7 to 14 fbg. Monitoring well construction details are presented on Table 1 and on the exploratory boring logs (Appendix B).

Well Development: Blaine Tech Services, Inc. (Blaine) of San Jose, California developed and purged the new wells on March 9, 2005. Blaine developed the wells using surge block agitation and pump evacuation. Blaine's field sheets, documenting the development events for all wells are included in Appendix D. Blaine's sampling data for the site wells will be presented under separate cover once available.

Wellhead Survey: Virgil Chavez Land Surveying of Vallejo, California surveyed the horizontal locations and top of casing elevations for all site wells relative to mean sea level on March 23, 2005 (Appendix E).

HYDROCARBON DISTRIBUTION IN SOIL

TPHg was detected in a soil sample collected from boring S-1 at 19.0 fbg at a concentration of 3.6 ppm. MTBE was detected in soil samples collected from boring S-1 at 10.0, 15.0, and 19.0 fbg at concentrations of 0.32, 0.16, and 0.054 ppm, respectively. TBA was detected in soil samples collected from boring S-1 at 10.0, 15.0, and 19.0 fbg at concentrations of 0.14, 0.014, and 0.014 ppm, respectively. No BTEX, or other fuel oxygenates were detected in the soil samples collected from boring S-1.

No TPHg, BTEX, or fuel oxygenates were detected in the soil samples collected from boring S-2.

MTBE and TBA were detected in a soil sample collected from boring S-4 at 20.0 fbg at concentrations of 0.29 and 0.029 ppm, respectively. No TPHg, BTEX, or other fuel oxygenates were detected in the soil samples collected from boring S-4.

TPHg was detected in a soil sample collected from boring S-5 at 11.5 fbg at a concentration of 21 ppm. MTBE was detected in soil samples collected from boring S-5 at 11.5 and 15 fbg at concentrations of 0.63 and 0.38 ppm, respectively. TBA was detected in a soil sample collected from boring S-5 at 11.5 fbg and 15 ppm at concentrations of 0.40 and 0.40 ppm, respectively. No BTEX, or other fuel oxygenates were detected in the soil samples collected from boring S-5.

The soil chemical analytical data is summarized on Table 2, the TPHg, benzene, and MTBE concentrations are presented on Figure 2, and the laboratory analytical report is included in Appendix F.

CONCLUSIONS

The purpose of this phase of the investigation was to install five groundwater monitoring wells to determine groundwater flow direction, the lateral extent of hydrocarbons in the soil, and the presence of petroleum constituents in groundwater beneath the site. Due to underground lithologic conditions, and/or underground utility lines and pea-gravel, wells S-1, S-3, and S-4 were either relocated or not installed. Well S-1 was relocated to the north side of the UST complex. Drilling difficulties were encountered as S-3, so well S-4 was relocated midway between the original locations for well S-3 and S-4, on the southwestern corner of the site, thus eliminating the need for well S-3.

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TPHg was reported in two samples at a maximum concentration of 21 ppm. Benzene was not detected in any soil samples. MTBE was reported in six of the 15 soil samples, at a maximum concentration of 0.63 ppm. All of the soil samples with reportable concentrations of constituents were obtained below the depth that groundwater was encountered, and represent saturated soil conditions.


The wells have been developed and the initial groundwater sample event occurred on March 23, 2005. The analytical results will be tabulated and presented in a quarterly groundwater monitoring report.




CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,
Cambria Environmental Technology, Inc.


Scott Lewis
Senior Staff Geologist


Ana Friel
Senior Project Geologist
PG 6452



C A M B R I A

Attachments:

Table 1. Well/Boring Data
Table 2. Soil Analytical Data

Figure 1. Site Vicinity/Area Well Survey Map
Figure 2. Soil Chemical Concentration Map



Appendix A. Permits
Appendix B. Boring Logs
Appendix C. Disposal Documentation
Appendix D. Blaine Tech Services, Inc. – Well Development Data
Appendix E. Virgil Chavez Land Surveying Results
Appendix F. Certified Analytical Reports

cc: Denis Brown, Shell

CAMBRIA

Table 1. Well/Boring Data, Shell-branded Service Station, 9750 Golf Links Rd. Oakland, California

Name	Type	Date Installed	TOC Elev (ft)	Total Depth (fbg)	Soil Sample Interval (ft)	First Encountered GW Depth (fbg)	Elev (ft)	Screen Diam. (in)	Screen Top	Screen Bottom	Comments
S-1	HSA Well	2/23/2005	160.54	19	C	8	152.54	4	7	18	
S-2	HSA Well	1/18/2005	160.23	12	C	6	154.23	4	5	12	
S-3	HSA Well	2/23/2005	NA	8	C	NA	NA	-	-	8	First attempt-abandoned line; second attempt-void; not installed.
S-4	HSA Well	2/23/2005	158.23	20	C	10	148.23	4	7	14	
S-5	HSA Well	1/18/2005	159.69	25	C	11	148.69	4	7	14	
B-1	HSA Boring	15-Dec-95	-	47	5	-	-	-	-	-	
SB-1	HSA Boring	31-Jul-98	-	30	5	-	-	-	-	-	
SB-1b	HSA Boring	25-Aug-99	-	26.5	5	-	-	-	-	-	
SB-2	HSA Boring	25-Aug-99	-	16	5	-	-	-	-	-	
SB-3	HSA Boring	25-Aug-99	-	25	5	-	-	-	-	-	
SB-4	HSA Boring	25-Aug-99	-	26.5	5	-	-	-	-	-	
SB-5	HSA Boring	25-Aug-99	-	30	5	-	-	-	-	-	
PH-1	MR Boring	04-Jun-04	-	62.5	C	-	-	-	-	-	

Abbreviations and Notes:

ft msl - Feet referenced to mean sea level

fbg = Feet below grade

ft = Feet

in = Inches

GW = Groundwater

TOC = Top of well casing

Elev = Elevation referenced to mean sea level

Diam = Diameter

C = Continuous

MR = Mud Rotary

Table 2. Soil Analytical Data, Shell-branded Service Station, 9750 Golf Links Road, Oakland, California

Sample ID	Depth (feet)	Date	TPHg (mg/kg)	TPHd (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	TOG (mg/kg)
S-1-5.0'	5.0	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-1-10.0'	10.0	23-Feb-05	<4.4	NA	<0.022	<0.022	<0.022	<0.022	0.32	0.14	<0.044	<0.022	<0.022	NA
S-1-15.0'	15.0	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.16	0.014	<0.010	<0.0050	<0.0050	NA
S-1-19.0'	19.0	23-Feb-05	3.6	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.054	0.014	<0.010	<0.0050	<0.0050	NA
S-2-6.5'	6.5	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-2-10'	10	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-4-5.5'	5.5	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-4-10.0'	10.0	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-4-15.0'	15.0	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-4-20.0'	20.0	23-Feb-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.29	0.029	<0.010	<0.0050	<0.0050	NA
S-5-5.5'	5.5	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-5-11.5'	11.5	18-Jan-05	21	NA	<0.025	<0.025	<0.025	<0.025	0.63	0.40	<0.050	<0.025	<0.025	NA
S-5-15'	15	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.38	0.40	<0.010	<0.0050	<0.0050	NA
S-5-20.5'	20.5	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
S-5-24.5'	24.5	18-Jan-05	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	NA
PH-1-5.5'	5.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-10.5'	10.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-15.5'	15.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-19.5'	19.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-24.5'	24.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-29.5'	29.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-34.5'	34.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-40.5'	40.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
PH-1-45.5'	45.5	07-Jun-04	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA
SB-1b-6.0-6.5	6.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-1b-11.0-11.5	11.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-1b-16.0-16.5	16.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA

Table 2. Soil Analytical Data, Shell-branded Service Station, 9750 Golf Links Road, Oakland, California

SB-1b-20.0-21.0	20.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-1b-25.5-26.0	25.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-2-5.5-6.0	5.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-2-10.5-11.0	10.5	25-Aug-99	243	NA	<0.100	0.248	0.664	1.08	<1.00	NA	NA	NA	NA	NA
SB-3-6.0-6.5	6.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-3-11.0-11.5	11.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-3-16.0-16.5	16.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	0.449	NA	NA	NA	NA	NA
SB-3-20-21.5	20.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	0.380	NA	NA	NA	NA	NA
SB-3-21.0-21.5	21.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	0.418	NA	NA	NA	NA	NA
SB-3-24-24.5	24.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	0.257	NA	NA	NA	NA	NA
SB-3-24.5-25.5	24.5	25-Aug-99	<1.0	NA	<0.005	0.00520	<0.005	0.00830	0.161	NA	NA	NA	NA	NA
SB-4-5.5-6.0	5.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-4-10.5-11.0	10.5	25-Aug-99	74.0	NA	<0.0250	0.0565	0.159	0.0915	2.60 (2.23)	NA	NA	NA	NA	NA
SB-4-15.5-16.0	15.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-4-20.5-21.0	20.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	0.00550	<0.05	NA	NA	NA	NA	NA
SB-4-25.5-26.0	25.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-5-5.5-6.0	5.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-5-10.5-11.0	10.5	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	<0.005	<0.05	NA	NA	NA	NA	NA
SB-5-16.0-16.5	16.0	25-Aug-99	<1.0	NA	<0.005	<0.005	<0.005	0.0107	0.0726	NA	NA	NA	NA	NA
SB-5-20.5-21.0	20.5	25-Aug-99	<1.0	NA	<0.005	0.00930	<0.005	0.0193	<0.05	NA	NA	NA	NA	NA
SB-5-24.0-24.5	24.0	25-Aug-99	<1.0	NA	<0.005	0.0241	0.00890	0.0473	<0.05	NA	NA	NA	NA	NA
SB-5-29.0-29.5	29.0	25-Aug-99	<1.0	NA	<0.005	0.0144	0.00590	0.0323	<0.05	NA	NA	NA	NA	NA
SB-1-9.0'	9.0	06-Jul-98	1,100	NA	6.1	40	143	98	91 (23)	NA	NA	NA	NA	NA
SB-1-11.5'	11.5	06-Jul-98	3.5	NA	0.019	0.34	0.076	0.55	0.79	NA	NA	NA	NA	NA
SB-1-13.0'	13.0	06-Jul-98	14,000	NA	100	530	190	1,200	66	NA	NA	NA	NA	NA

Table 2. Soil Analytical Data, Shell-branded Service Station, 9750 Golf Links Road, Oakland, California

SB-1-16.0'	16.0	31-Jul-98	1.1	NA	<0.0050	0.029	0.013	0.091	1.4	NA	NA	NA	NA	NA
SB-1-21.0'	21.0	31-Jul-98	<1.0	NA	<0.0050	<0.0050	<0.0050	<0.0050	0.03	NA	NA	NA	NA	NA
SB-1-26.0'	26.0	31-Jul-98	5.6	NA	0.035	0.25	0.062	0.28	0.16	NA	NA	NA	NA	NA
B1-5.5	5.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
B1-15.5	15.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
B1-20.5	20.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
B1-30.5	30.5	15-Dec-95	<1.0	2.8	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
B1-35.5	35.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
B1-40.5	40.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	56
B1-45.5	45.5	15-Dec-95	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	<50
WO1	7.0	08-Mar-95	190	3,900	<0.25	0.43	1.0	2.2	NA	NA	NA	NA	NA	12,000
WO2	11.0	08-Mar-95	<1.0	<1.0	<0.005	0.072	<0.005	<0.005	NA	NA	NA	NA	NA	62
NSW	7.5	08-Mar-95	<1.0	<1.0	<0.005	0.10	<0.005	<0.005	NA	NA	NA	NA	NA	<50
SSW	7.0	08-Mar-95	<1.0	<1.0	<0.005	0.19	<0.005	<0.005	NA	NA	NA	NA	NA	<50
ESW	7.0	08-Mar-95	<1.0	<1.0	<0.005	0.18	<0.005	<0.005	NA	NA	NA	NA	NA	<50
WSW	7.8	08-Mar-95	<1.0	<1.0	<0.005	0.083	<0.005	<0.005	NA	NA	NA	NA	NA	<50

Table 2. Soil Analytical Data, Shell-branded Service Station, 9750 Golf Links Road, Oakland, California**Abbreviations and Notes:**

mg/kg = Milligrams per kilogram

<x = Not detected at reporting limit x

TPHg = Total petroleum hydrocarbons as gasoline (Pre-2004: by EPA Method 8015, 2004 = EPA Method 8260B)

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

B = Benzene (Pre-2004: By EPA Method 8020, 2004: by EPA Method 8260B)

T = Toluene (Pre-2004: By EPA Method 8020, 2004: by EPA Method 8260B)

E = Ethylbenzene (Pre-2004: By EPA Method 8020, 2004: by EPA Method 8260B)

X = Xylenes (Pre-2004: By EPA Method 8020 2004: by EPA Method 8260B)

MTBE = Methyl tertiary butyl ether (Pre-2004: by EPA Method 8020, results in parenthesis by method 8260, 2004: by EPA Method 8260B)

DIPE = Di-isopropyl ether by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether by EPA Method 8260B

TAME = Tertiary amyl methyl ether by EPA Method 8260B

TBA = Tertiary butyl alcohol by EPA Method 8260B

TOG = Total oil and grease by APHA Standard Method 5520E&F

Samples collected on 03/08/95 by Weiss Associates and analyzed by Sequoia Analytical, Redwood City, California; all other by Cambria.

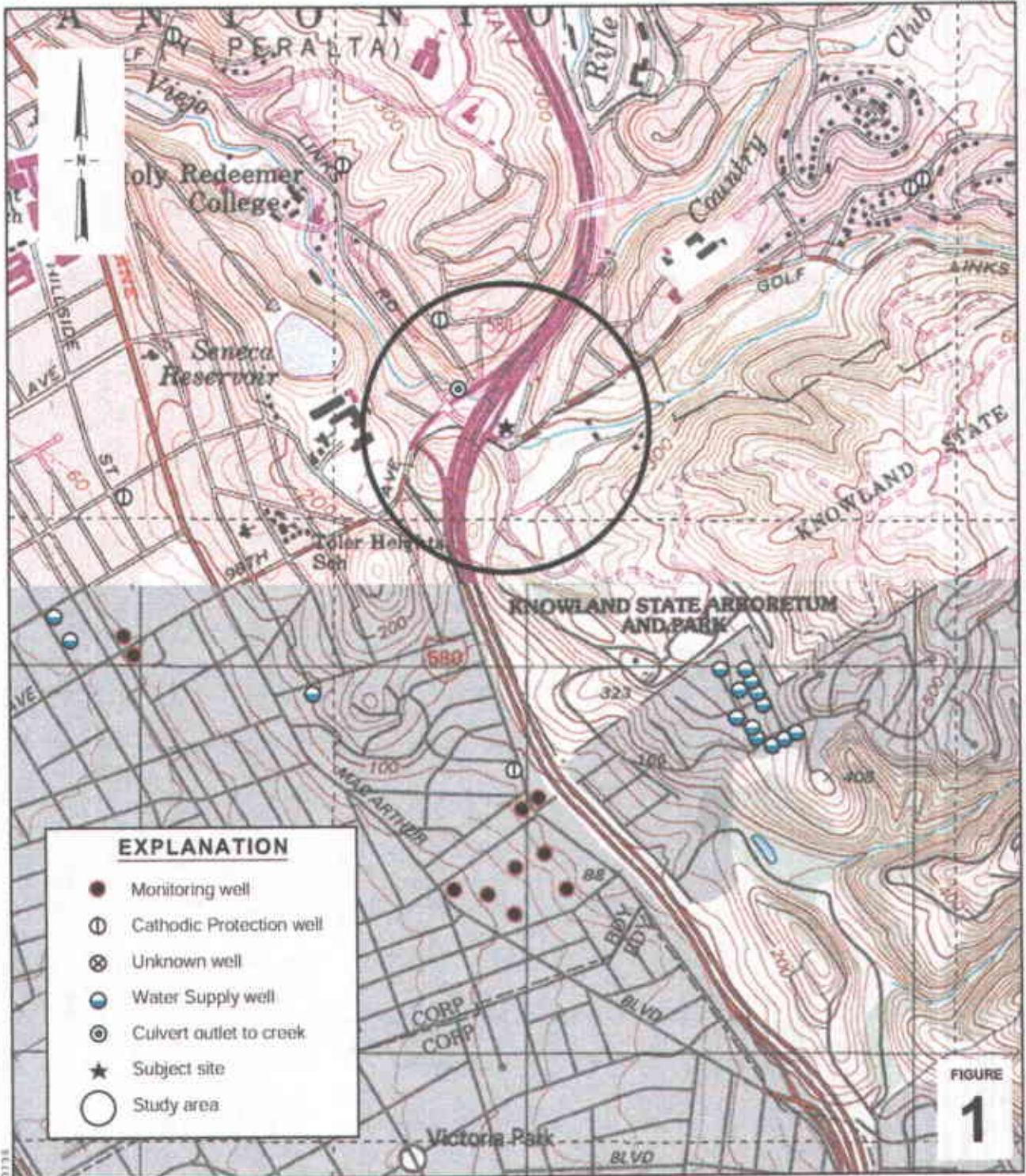


FIGURE 1

Shell-branded Service Station
 9750 Golf Links Road
 Oakland, California



C A M B R I A

**Site Vicinity/
 Area Well Survey Map**
 (1/4-Mile Radius)

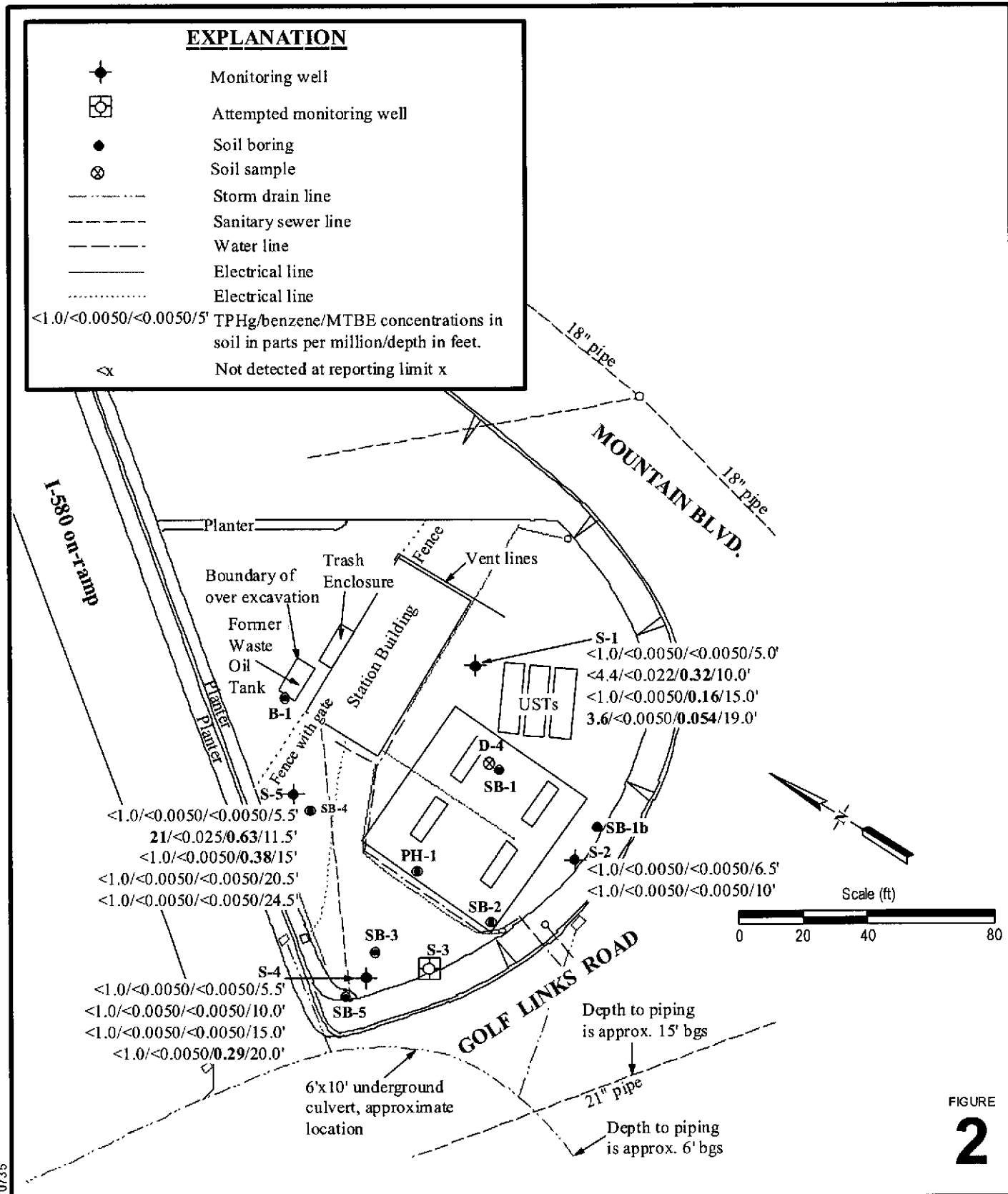


FIGURE
2

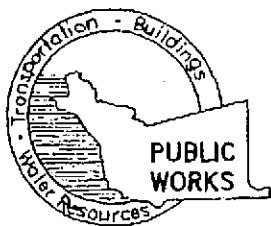
Shell-branded Service Station
9750 Golf Links Road
Oakland, California



Soil Chemical Concentration Map

CAMBRIA

0735



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

www.acfcwd.org

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

COPY

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
9750 Golf Links Road
Oakland, CA

PERMIT NUMBER W05-1037
WELL NUMBER _____
APN _____

CLIENT
Name Shell Oil Products Us
Address 20945 S. Wilmington Phone 559-645-9306
City Carson, CA Zip 90810

APPLICANT
Name Cambridge Environmental Technology, Inc.
Address 270 Pedernis Street Phone 707-935-2369
City Sacramento, CA Zip 95876

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

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

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Gregg Drilling & Testing, Inc.
DRILLER'S LICENSE NO. CS7 485165

WELL PROJECTS
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 5 ft. Owner's Well Number S-1

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

STARTING DATE January 17, 2005
COMPLETION DATE January 20, 2005

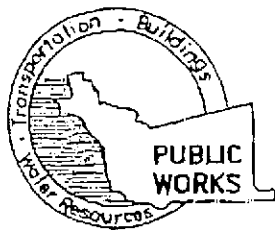
- PERMIT CONDITIONS
Circled Permit Requirements Apply
- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL/CONTAMINATION**
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- E. CATHODIC**
Fill hole unode 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** MWA 1

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

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

APPLICANT'S SIGNATURE Scott Lewis DATE 12-17-04
PLEASE PRINT NAME Scott Lewis

APPROVED _____ DATE 1-20-05



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

www.acfcwcd.org

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

FILED

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
750 Golf Links Road
Walpole, CA

PERMIT NUMBER W05-0038
WELL NUMBER _____
APN _____

CLIENT
Shell Oil Products US
20945 S. Wilmington Ave Phone 559-645-9306
Carson, CA Zip 90810

APPLICANT
Cambria Environmental Technology, Inc.
270 Beckins Street Phone 707-933-2369
Sanoma, CA Zip 95476

TYPE OF PROJECT

Construction Geotechnical Investigation
 Erosion Protection General
 Water Supply Contamination
 Drilling Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic Replacement Domestic
 Municipal Irrigation
 Industrial Other _____

DRILLING METHOD:

Auger Rotary Air Rotary Auger
 Cable Other _____

DRILLER'S NAME Gregg Drilling and Testing, Inc

DRILLER'S LICENSE NO. CS7 485165

WELL PROJECTS

Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 5 ft. Owner's Well Number S-2

GEOTECHNICAL/CONTAMINATION PROJECTS

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

STARTING DATE January 10, 2005

COMPLETION DATE January 10, 2005

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

APPLICANT'S SIGNATURE [Signature] DATE 1-11-05

PLEASE PRINT NAME _____

Rev 5-11-04

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

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

B. WATER SUPPLY WELLS

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

D. GEOTECHNICAL/CONTAMINATION

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

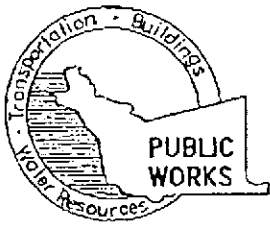
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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 1-12-05

[Signature]



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

www.acfewed.org

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
9750 Golf Links Road
Dakeland, CA

PERMIT NUMBER W05-0039
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Shell Oil Products Us
Address 20945 S. Wilmington Ave Phone 559-645-9306
City Carson, CA Zip 90810

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

APPLICANT
Name Geobic Environmental Technology, Inc.
Address 270 Redline Street Phone 707-933-2369
City Sanctuary, CA Zip 95476

- 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.

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

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

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

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

DRILLING METHOD:
Mud Rotary
Cable
Air Rotary
Other Auger

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

DRILLER'S NAME Gregg Drilling and Testing, Inc
DRILLER'S LICENSE NO. CS7 485165

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

WELL PROJECTS
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 5 ft. Owner's Well Number S-3

G. SPECIAL CONDITIONS MWA 1

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

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

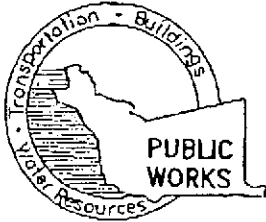
STARTING DATE January 18, 2005
COMPLETION DATE January 20, 2005

APPROVED _____ DATE 1-20-05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-08.

APPLICANT'S SIGNATURE Scott Lewis DATE 12-17-04

PLEASE PRINT NAME Scott Lewis Rev. 5-11-04



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

FAX (510) 782-1939
www.acfcwd.org
APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

COPY

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
9750 Golf Links Road
Oakland, CA

PERMIT NUMBER W05-0040
WELL NUMBER _____
APN _____

CLIENT
Name Shell Oil Products US
Address 20945 S. Wilmington Ave Phone 559-645-9306
City Carson, CA Zip 90810

APPLICANT
Name Genric Environmental Technology Inc
Address 270 Perkins Street Phone 707-933-2369
City Sanoma, CA Zip 95476

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

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

DRILLING METHOD:
 Mud Rotary
 Cable
 Air Rotary
 Auger
 Other _____

DRILLER'S NAME Gregg Drilling and Testing, Inc
DRILLER'S LICENSE NO. 657 485165

WELL PROJECTS
Drill Hole Diameter 10 in. Maximum
Casing Diameter 4 in. Depth 20 ft.
Surface Seal Depth 5 ft. Owner's Well Number S-4

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

STARTING DATE January 19, 2005
COMPLETION DATE January 28, 2005

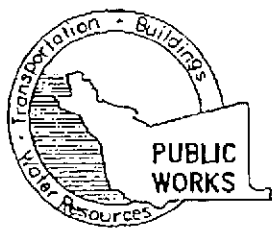
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Scott Lewis DATE 12-17-04
PLEASE PRINT NAME Scott Lewis

Rev.5-11-04

- PERMIT CONDITIONS
Circled Permit Requirements Apply
- A. GENERAL**
 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.
 - B. WATER SUPPLY WELLS**
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 - C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 - D. GEOTECHNICAL/CONTAMINATION**
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
 - E. CATHODIC**
Fill hole anode zone with concrete placed by tremie.
 - F. WELL DESTRUCTION**
Send a map of work site. A separate permit is required for wells deeper than 45 feet.
 - G. SPECIAL CONDITIONS** MWH#1
- NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 1-17-05



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

www.acfewcd.org

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

EX COPY

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
9750 Golf Links Road
Oakland, CA

PERMIT NUMBER W05-0041
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT
Name Shell Oil Products Us
Address 20945 S. Wilington Ave Phone 559-695-9306
City Carson, CA Zip 90810

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

APPLICANT
Name Carbia Environmental Technology Inc
Address 270 Redline Street Phone 707-933-2369
City Sanoma, CA Zip 95476

B. WATER SUPPLY WELLS

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

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL/CONTAMINATION

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

DRILLING METHOD:

<input type="checkbox"/> Mud Rotary	<input type="checkbox"/> Air Rotary	<input checked="" type="checkbox"/> Auger
<input type="checkbox"/> Cable	<input type="checkbox"/> Other	

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

DRILLER'S NAME Gregg Drilling and Testing, Inc

DRILLER'S LICENSE NO. CS7 485165

F. WELL DESTRUCTION

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

WELL PROJECTS

Drill Hole Diameter <u>10</u> in.	Maximum
Casing Diameter <u>4</u> in.	Depth <u>20</u> ft.
Surface Seal Depth <u>5</u> ft.	Owner's Well Number <u>S-5</u>

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.

GEOTECHNICAL/CONTAMINATION PROJECTS

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

STARTING DATE January 18, 2005

COMPLETION DATE January 20, 2005

APPROVED _____

DATE 1-20-05

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

APPLICANT'S SIGNATURE Scott Lewis DATE 12-17-04

PLEASE PRINT NAME Scott Lewis Rev. 5-11-04

Appendix B
Boring Logs



Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-1
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	23-Feb-05
LOCATION	9750 Golf Links Road, Oakland, California	DRILLING COMPLETED	23-Feb-05
PROJECT NUMBER	0735	WELL DEVELOPMENT DATE (YIELD)	09-Mar-05 (64 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	161.01 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	160.54 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	7 to 18 fbg
LOGGED BY	J. Gerbrandt	DEPTH TO WATER (First Encountered)	8.0 ft (23-Feb-05)
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	7.7 ft (09-Mar-05)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						ASPHALT	0.5	
						GRAVEL with Sand (GW) ; dark brown (7.5YR 3/2); moist; 5% silt, 25% fine to medium sand, 70% fine to coarse gravel.	1.0	
						SAND (SP) ; brown (10YR 4/3); dry; 100% fine sand.		
0.0		S-1-5.5'	5	SP				<ul style="list-style-type: none"> Portland Type I/II Bentonite Seal Monterey Sand #2/12
0.2						@ 8' - dark yellowish brown (10YR 4/4); wet; 95% fine sand, 5% fine gravel.		
14.2		S-1-1 0.0'	10	SM		@ 9' - very dark greenish gray (10Y 3/1); 100% fine sand.	10.0	
0.0						Silty SAND (SM) ; brown (7.5YR 4/3); wet; 10% clay, 25% silt, 55% fine to coarse sand; 10% fine gravel.		
0.0						SAND (SP) ; dark yellowish brown (10YR 4/4); wet; 100% fine sand.	12.0	
123.8						Silty SAND (SM) ; very dark greenish gray (10Y 3/1); wet; 10% clay, 25% silt, 55% fine to coarse sand; 10% fine gravel.	13.0	
10.1						@ 14' - brown (7.5YR 4/3)		
0.8		S-1-1 5.0'	15	SM				<ul style="list-style-type: none"> 4"-diam., 0.020" Slotted Schedule 40 PVC
54.2						SAND (SP) ; dark yellowish brown (10YR 4/3); wet; 100% fine sand.	16.0	
5.6		S-1-1 9.0'	19	ML		Sandy SILT (ML) ; dark yellowish brown (10YR 4/3); wet; 30% clay, 30% silt, 30% fine to coarse sand, 10% fine gravel.	18.0	
							19.0	<ul style="list-style-type: none"> Bentonite Seal Bottom of Boring @ 19 ft

WELL LOG (PID), I:\DATA\15-1\GINT\04\9750 GP.J DEFAULT.GDT 4/6/05



Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-2
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	18-Jan-05
LOCATION	9750 Golf Links Road, Oakland, California	DRILLING COMPLETED	18-Jan-05
PROJECT NUMBER	0735	WELL DEVELOPMENT DATE (YIELD)	09-Mar-05 (41 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	160.52 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	160.23 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	5 to 12 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	6.0 ft (19-Jan-05)
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	5.6 ft (09-Mar-05)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0.0	NNNN	S-2-6.5'	5	SP		ASPHALT SAND (SP) ; brown (10YR 4/3); dry 100% fine sand. @ 5.5' - moist. @ 6' - very loose, wet. @ 7.5' - loose.	0.4	 Portland Type I/II Bentonite Seal Monterey Sand #2/12 4"-diam., 0.020" Slotted Schedule 40 PVC
0.0	NNNN	S-2-10'	10			@ 10.5' - medium dense.	12.0	Bottom of Boring @ 12 ft

WELL LOG (PID) I:\04DE75-1\GINT\04K9750.GPJ DEFAULT.GDT 4/8/05



Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-4
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	23-Feb-05
LOCATION	9750 Golf Links Road, Oakland, California	DRILLING COMPLETED	23-Feb-05
PROJECT NUMBER	0735	WELL DEVELOPMENT DATE (YIELD)	09-Mar-05 (13 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	158.90 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	158.23 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	7 to 14 fbg
LOGGED BY	J. Gerbrandt	DEPTH TO WATER (First Encountered)	10.0 ft (23-Feb-05)
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	9.8 ft (09-Mar-05)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.5	GW		ASPHALT	0.5	<p>Portland Type I/II</p> <p>Bentonite Seal</p> <p>Monterey Sand #2/12</p> <p>4"-diam., 0.020" Slotted Schedule 40 PVC</p> <p>Bentonite Seal</p> <p>Bottom of Boring @ 20 ft</p>
				1.0	SM		GRAVEL with Sand (GW) ; dark brown (7.5YR 3/2); moist; 5% silt, 25% fine to medium sand; 70% fine to coarse gravel.	1.0	
				3.5	SM		Silty SAND (SM) ; dark brown (10YR 3/3); moist; 20% clay, 20% silt, 55% fine to medium sand, 5% fine to coarse gravel.	3.5	
				5.5	GM		Silty GRAVEL with Sand (GM) ; dark brown (10YR 3/3); moist; 5% clay, 20% silt, 35% fine to medium sand, 40% fine to coarse gravel and cobbles.	5.5	
0.0		S-4-5.5'		5	SM		Silty SAND with Gravel (SM) ; dark brown (10YR 3/3); dry; 10% clay, 15% silt, 55% fine to coarse sand, 20% fine to coarse gravel.	8.5	
				10.0	SW SM		SAND with Silt and Gravel (SW-SM) ; dark yellowish brown (10YR 4/3); dry; 5% clay, 5% silt, 70% fine to coarse sand, 20% fine gravel.	10.0	
0.0		S-4-1 0.0'		10	SM		Silty SAND (SM) ; dark yellowish brown (10YR 4/3); wet; 10% clay, 20% silt, 65% fine to coarse sand, 5% fine sand.	13.0	
				15.0	ML		Sandy SILT (ML) ; dark yellowish brown (10YR 4/3); moist; 25% clay, 30% silt, 40% fine to coarse sand, 5% fine gravel; dark greenish gray (5GY 4/1) mottling.	13.0	
0.0		S-4-1 5.0'		15				13.0	
6.2		S-4-2 0.0'		20.0			@ 19' - brown (7.5YR 4/4); 35% clay, 40% silt, 20% fine to coarse sand, 5% fine gravel; greenish gray (5GY 5/1) mottling.	20.0	

WELL LOG (PID) I:\04675-1\GINT\046750.GPJ_DEFAULT.GDT 4/5/05



Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-5
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	18-Jan-05
LOCATION	9750 Golf Links Road, Oakland, California	DRILLING COMPLETED	18-Jan-05
PROJECT NUMBER	0735	WELL DEVELOPMENT DATE (YIELD)	09-Mar-05 (5.2 gallons)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	160.17 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	159.69 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	7 to 14 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	11.0 ft (19-Jan-05)
REVIEWED BY	A. Friel, PG 6452	DEPTH TO WATER (Static)	10.6 ft (09-Mar-05)

REMARKS

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.4			ASPHALT	0.4	<p>Portland Type I/II Bentonite Seal Monterey Sand #2/12 4"-diam., 0.020" Slotted Schedule 40 PVC Bentonite Seal Bottom of Boring @ 25 ft</p>
				2.5	SM		Silty SAND with Gravel (SM) ; brown (10YR 4/3); 30% silt, 55% fine to coarse sand; 15% fine to coarse gravel.	2.5	
				5	ML		SILT (ML) ; very dark grayish brown (10YR 3/2); moist; 30% clay, 65% silt, 5% fine to coarse sand; medium plasticity.		
0.0	12 12 16	S-5-5.5'		5			@ 5' - SILT with Gravel (ML) ; very dark grayish brown (10YR 3/2); moist; 25% clay, 60% silt, 15% fine gravel; low plasticity. @ 6' - very stiff.	7.5	
	13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100			10	SM		Silty SAND (SM) ; brown (10YR 4/3); medium dense; moist; 15% clay, 25% silt, 60% fine to coarse sand; 5% fine gravel. @ 9.5' - dark greenish gray (5GY 4/1).		
70.6	13 23 24	S-5-1 1.5'		11			@ 11' - moist to wet.	13.5	
	15 25 26			13.5			@ 12' - Silty SAND with GRAVEL (SM) ; dark greenish gray (5GY 4/1); dense; moist to wet; 20% silt, 50% fine to coarse sand, 30% fine to coarse gravel.		
8.2	19 28 38	S-5-1 5'		15			SILT (ML) ; dark greenish gray (5GY 4/1); hard; moist; 30% clay, 70% silt; low plasticity. (decomposed rock)		
	24 27 37			20	ML		@ 18' - SILT with Sand (ML) ; dark greenish gray (5GY 4/1); hard; moist; 30% clay, 45% silt, 25% fine to medium sand; low plasticity. (decomposed rock)		
3.0	21 27 31	S-5-2 0.5'		20					
	15 17			25			SILT with Sand (ML) ; dark greenish gray (5GY 4/1); dense; moist; 20% clay, 30% silt, 50% fine sand.	25.0	
3.3	10 15 16	S-5-2 4.5'		25					

WELL LOG (PID) I:\048275-1\GINT\0482750.GPJ_DEFAULT.GDT 4/8/05

Appendix C
Disposal Documentation



RECEIVED
MAR 14 2005
BY:

FAXED
3-10

Hazardous Waste Hauler (Registration #2843)

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

Disposal Confirmation

Request for Transportation Received: 03/01/05

Consultant Information

Company: Cambria
Contact: Anne Wettstone
Phone: 707-933-2368
Fax: 707-935-6649

Site Information

Station #: _____
Street Address: 9750 Golf Links Road
City, State, ZIP: Oakland, Ca

Customer: Shell Oil Company RESA-0023-LDC
RIPR #: 42608
SAP # / Location: N/A
Incident #: 98995744
Location / WIC #: N/A
Environmental Engineer: Karen Petryna

Material Description: Soil
Estimated Quantity: 6 yrds
Service Requested Date: Within One Week Please

Disposal Facility: Forward Landfill
Contact: Scott
Phone: 800 204-4242
Approval #: 5289
Date of Disposal: 03/03/05
Actual Tonnage: 3.51 tons

Transporter: Manley & Sons Trucking, Inc.
Contact: Alayna A Rowe
Phone: 916 381-6864
Fax: 916 381-1573
Invoice: 200503-7
Date of Invoice: 03/08/05

Cambria Environmental Sonoma

January 27, 2005

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 247-0735

Project: 98995744

Site: 9750 Golf Links Road, Oakland

Attached is our report for your samples received on 01/20/2005 14:15

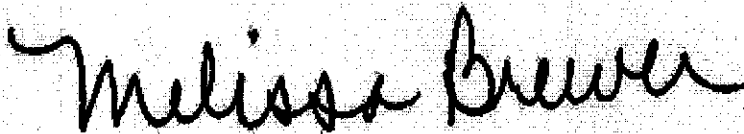
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/06/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	01/18/2005 15:40	Soil	1

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Preps: 3050B Vials(s): 60/10B
Sample ID: SP-1 Lot ID: 2005-01-0535
Sampled: 01/18/2005 16:40 Analyzed: 01/24/2005 10:29
Matrix: Soil STL Batch#: 2005-01-2411-5

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.5	1.0	mg/Kg	1.00	01/24/2005 10:29	

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report					
Prep(s): 0000B					01/24/2005
Method: Blank		Soil		QC Batch #: 2005/01/24/01-15	
MB: 2005/01/24-01-15-002				Date Extracted: 01/24/2005 05:21	

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	01/24/2005 10:01	

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report		
Project: 247-0735	QC Batch #	2005/01/24-14:15
Laboratory Control: Strike	Soil	QC Batch # 2005/01/24-14:15
LCS: 2005/01/24-01-33-024	Extracted: 01/24/2005	Analyzed: 01/24/2005 10:09
LCSD: 2005/01/24-01-33-024	Extracted: 01/24/2005	Analyzed: 01/24/2005 10:09

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	101	100	100.0	101.0	100.0	1.0	80-120	20		

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	01/18/2005 15:40	Soil	1

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-1	Lab ID:	2005-01-0535-1
Sampled:	01/18/2005 15:40	Extracted:	1/25/2005 15:14
Matrix:	Soil	Job Batch#:	2005/01/25/15:14

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	1.5	1.0	mg/Kg	1.00	01/25/2005 15:14	
Benzene	ND	0.0050	mg/Kg	1.00	01/25/2005 15:14	
Toluene	ND	0.0050	mg/Kg	1.00	01/25/2005 15:14	
Ethyl benzene	0.013	0.0050	mg/Kg	1.00	01/25/2005 15:14	
Total xylenes	0.0085	0.0050	mg/Kg	1.00	01/25/2005 15:14	
Surrogate(s)						
1,2-Dichloroethane-d4	100.6	76-124	%	1.00	01/25/2005 15:14	
Toluene-d8	88.8	75-116	%	1.00	01/25/2005 15:14	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report					
Prep(s): 8260B				Res(s): 8260B	
Method: Blank		Soil		QC Batch #: 2005/01/25/01C-62	
MB: 2005/01/25/01C-62-044				Date Extracted: 01/25/2005 07:44	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/25/2005 07:44	
Benzene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Toluene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Ethyl benzene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Total xylenes	ND	0.0050	mg/Kg	01/25/2005 07:44	
Surrogates(s)					
1,2-Dichloroethane-d4	97.4	76-124	%	01/25/2005 07:44	
Toluene-d8	88.0	75-116	%	01/25/2005 07:44	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch: 8260B			Batch: 8260B		
Project: 247-0735			Test(s): 8260B		
Laboratory Control Spike		Self	QC Batch #: 2005/01/25-15:62		
LCS: 2005/01/25 15:62		Extracted: 01/25/2005	Analyzed: 01/25/2005 07:22		
LCSD:					

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0495		0.05	99.0			69-129	20		
Toluene	0.0497		0.05	99.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	440		500	88.0			76-124			
Toluene-d8	469		500	93.8			75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Project(s): 8260B	Sample(s): 8260B		
Matrix Spiker: MS / MSD	Soil	QC Batch # 2005/01/25-10.62	
MS/MSD		LabID: 20050130620-001	
MS: 2005/01/25-10.62-056	Extr: 060-01/25/2005	Analyzed: 01/25/2005 10:46	
MSD: 2005/01/25-10.62-057	Extr: 060-01/25/2005	Dilution: 100	
		Analyzed: 01/25/2005 10:48	
		Dilution: 100	

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0442	0.0499	ND	0.048262	91.6	104.2	12.9	69-129	20		
Toluene	0.0455	0.0498	ND	0.048262	94.3	104.0	9.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	448	460		500	89.6	92.0		76-124			
Toluene-d8	446	471		500	89.2	94.2		75-116			

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

97601

RESIDUAL MANAGEMENT PROCEDURE

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

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

CALIFORNIA - TRANSPORTATION AND RETAIL

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

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

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - GASOLINE

USE METHOD 8260B (GC/MS)

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

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

2005-01-0535

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

Appendix D

Blaine Tech Services, Inc. – Well Development Data

WELL DEVELOPMENT DATA SHEET

Project #: <u>050309-DW-1</u>	Client: <u>Shell</u>
Developer: <u>DW</u>	Date Developed: <u>3-9-05</u>
Well I.D. <u>S-4</u>	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before <u>13.40</u> After <u>13.40</u>	Depth to Water: Before <u>9.83</u> After <u>12.15</u>
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
 $(12 \times (d^2/4) \times \pi) / 231$
 where
 12 = in / foot
 d = diameter (in.)
 $\pi = 3.1416$
 231 = in³/gal

Well dia.	VCF
2"	= 0.16
3"	= 0.37
4"	= 0.65
6"	= 1.47
10"	= 4.08
12"	= 6.87

<u>2.3</u>	X	<u>10</u>	=	<u>23</u>
1 Case Volume		Specified Volumes		gallons

Purging Device: Bailer Electric Submersible
 Suction Pump Positive Air Displacement

Type of Installed Pump _____
 Other equipment used 4" surge block

TIME	TEMP (F)	pH	Cond. (mS or μ S)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
9:00	61.9	6.9	2131	>1000	2.3	Swabbed well = 20 min Agitated bottom w/ air pump
9:07	61.2	7.1	1854	509	4.6	Brown
	well dewatered @ 6 gl.			DTW =	12.15	Hard bottom
12:05	DTW = 10.83		Swabbed well = 5 min			
12:15	70.0	7.0	945	>1000	6.9	Brown
12:19	64.9	7.5	1529	>1000	9.2	well dewatered @ 9.2 gl. DTW: 12.15
14:30	DTW = 10.85		Swabbed well = 5 min			
14:38	68.8	7.0	1232	>1000	11.5	Brown
	well dewatered @ 12 gl.			DTW =	12.16	
15:20	DTW = 11.56		Swabbed well = 5 min			
15:28	well dewatered @ 13 gl.			DTW =	12.15	
Did Well Dewater? <u>yes</u> If yes, note above.						Gallons Actually Evacuated: <u>13</u>

Appendix E

Virgil Chavez Land Surveying Results

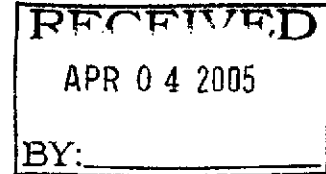
Virgil Chavez Land Surveying

721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

March 30, 2005
Project No.: 2405-35

Scott Lewis
Cambria Environmental
P. O. Box 259
Sonoma, CA 95476

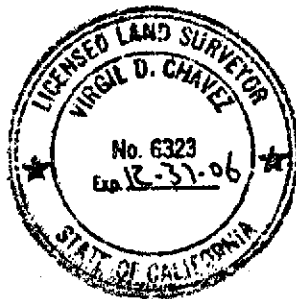
Subject: Shell Service Station
9750 Golf Links Road
Oakland, CA



Dear Scott:

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 March 23, 2005. The benchmark for this survey was a City of Oakland benchmark being a cut square on top of curb at the westerly return of the southwest corner of the Golf Links Road and westbound freeway off ramp. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83). Benchmark Elevation = 157.097 feet (NGVD 29).

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
37.7536522	-122.1503116	2101090.44	6084578.91	161.01	RIM S-1
				160.54	TOC S-1
				160.52	RIM S-2
37.7534766	-122.1504122	2101027.01	6084548.72	160.23	TOC S-2
				158.90	RIM S-4
37.7535570	-122.1506014	2101057.25	6084494.54	158.23	TOC S-4
				160.17	RIM S-5
37.7537066	-122.1505157	2101111.27	6084520.28	159.69	TOC S-5



Sincerely,

Virgil D. Chavez
Virgil D. Chavez, PLS 6323

Appendix F
Certified Analytical Reports

Cambria Environmental Sonoma

February 03, 2005

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 247-0735

Project: 98995744

Site: 9750 Golf Links Road, Oakland

Attached is our report for your samples received on 01/20/2005 14:15

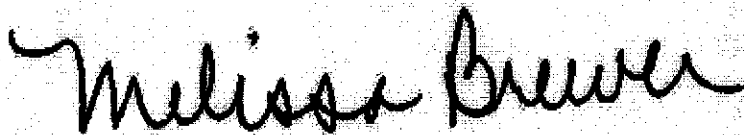
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/06/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

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

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

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-2-6.5'	01/18/2005 13:06	Soil	1
S-2-10'	01/18/2005 13:10	Soil	2
S-5-5.5'	01/18/2005 09:50	Soil	3
S-5-11.5'	01/18/2005 10:02	Soil	4
S-5-15'	01/18/2005 10:11	Soil	5
S-5-20.5'	01/18/2005 10:52	Soil	6
S-5-24.5'	01/18/2005 11:10	Soil	7

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

02/02/2005 16:32

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-2-6-6	Lab ID:	2005-01-0608-15
Sampled:	01/19/2005 13:06	Extracted:	01/25/2005 15:57
Matrix:	Soil	QC Batch:	2005/01/25/16102

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/25/2005 15:57	
Benzene	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
Toluene	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/25/2005 15:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/25/2005 15:57	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/25/2005 15:57	
Surrogate(s)						
1,2-Dichloroethane-d4	101.8	76-124	%	1.00	01/25/2005 15:57	
Toluene-d8	88.1	75-116	%	1.00	01/25/2005 15:57	

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

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98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s): 8260B	Test(s): 8260B
Sample ID: S-2-10	Lab ID: 2005-01-05031-2
Sampled: 01/18/2005 13:30	Extracted: 01/26/2005 11:30
Matrix: Soil	QC Batch#: 2005/01/26-13-32

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/26/2005 11:30	
Benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
Toluene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/26/2005 11:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/26/2005 11:30	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:30	
Surrogate(s)						
1,2-Dichloroethane-d4	93.4	76-124	%	1.00	01/26/2005 11:30	
Toluene-d8	89.1	75-116	%	1.00	01/26/2005 11:30	

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Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Project:	6030B	Test(s):	8260B
Sample ID:	S-5155	Lab ID:	2005-01-0608-3
Sampled:	01/19/2005 09:50	Extracted:	01/26/2005 11:51
Matrix:	Soil	LOG Batch#:	2005/01/26-15-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/26/2005 11:51	
Benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
Toluene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/26/2005 11:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/26/2005 11:51	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/26/2005 11:51	
Surrogate(s)						
1,2-Dichloroethane-d4	96.6	76-124	%	1.00	01/26/2005 11:51	
Toluene-d8	86.7	75-116	%	1.00	01/26/2005 11:51	

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

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98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s): 60305 Test(s): 8260B
 Sample ID: 8-5-11-5 Lab ID: 2005-01-0608
 Sampled: 01/18/2005 10:02 (Extracted: 1/26/2005 12:13)
 Matrix: Soil GC Batch#: 20050126-1C-02
 Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	21	5.0	mg/Kg	4.95	01/26/2005 12:13	
Benzene	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
Toluene	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
Ethyl benzene	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
Total xylenes	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
tert-Butyl alcohol (TBA)	0.40	0.050	mg/Kg	4.95	01/26/2005 12:13	
Methyl tert-butyl ether (MTBE)	0.63	0.025	mg/Kg	4.95	01/26/2005 12:13	
Di-isopropyl Ether (DIPE)	ND	0.050	mg/Kg	4.95	01/26/2005 12:13	
Ethyl tert-butyl ether (ETBE)	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
tert-Amyl methyl ether (TAME)	ND	0.025	mg/Kg	4.95	01/26/2005 12:13	
Surrogate(s)						
1,2-Dichloroethane-d4	93.1	76-124	%	4.95	01/26/2005 12:13	
Toluene-d8	91.0	75-116	%	4.95	01/26/2005 12:13	

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

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98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(S): 8030B Test(S): 8260B
SampleID: S-515 LabID: 2005-01-0608-36
Sampled: 01/18/2005 10:11 Extracted: 02/01/2005 01:38
Matrix: Soil QC Batch#: 2005-01-0608

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/01/2005 01:38	
Benzene	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
Toluene	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
tert-Butyl alcohol (TBA)	0.40	0.010	mg/Kg	1.00	02/01/2005 01:38	
Methyl tert-butyl ether (MTBE)	0.38	0.0050	mg/Kg	1.00	02/01/2005 01:38	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/01/2005 01:38	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/01/2005 01:38	
Surrogate(s)						
1,2-Dichloroethane-d4	118.7	76-124	%	1.00	02/01/2005 01:38	
Toluene-d8	113.8	75-116	%	1.00	02/01/2005 01:38	

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

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98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s): 8030B Test: 8260B
 Sample ID: S-5-20-5 Lab ID: 2005-01-0608-06
 Sampled: 01/18/2005 16:52 Analyzed: 01/26/2005 12:56
 Matrix: Soil QC Batch#: 2005012610682

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/26/2005 12:56	
Benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
Toluene	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/26/2005 12:56	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/26/2005 12:56	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/26/2005 12:56	
Surrogate(s)						
1,2-Dichloroethane-d4	100.2	76-124	%	1.00	01/26/2005 12:56	
Toluene-d8	92.1	75-116	%	1.00	01/26/2005 12:56	

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

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Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Prep(s): 80303 Lab(s): 8260B
Sample ID: S-5124 Lab ID: 2005-01-0608
Sampled: 01/18/2005 11:10 Analyzed: 01/30/2005 01:21
Matrix: Soil Batch#: 2005-01/20-2A.02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/30/2005 01:21	
Benzene	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
Toluene	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/30/2005 01:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/30/2005 01:21	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/30/2005 01:21	
Surrogate(s)						
1,2-Dichloroethane-d4	102.6	76-124	%	1.00	01/30/2005 01:21	
Toluene-d8	98.5	75-116	%	1.00	01/30/2005 01:21	

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

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Project: 247-0735

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Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report					
Project	5030B	Sample		Analyst	STL/B
Method	Blank	Soil		QC Batch #	2005/01/25-10-62
MB	2005/01/25-10-62-044			Date Analyzed	01/25/2005 07:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/25/2005 07:44	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	01/25/2005 07:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	01/25/2005 07:44	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	01/25/2005 07:44	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	01/25/2005 07:44	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	01/25/2005 07:44	
Benzene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Toluene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Ethyl benzene	ND	0.0050	mg/Kg	01/25/2005 07:44	
Total xylenes	ND	0.0050	mg/Kg	01/25/2005 07:44	
Surrogates(s)					
1,2-Dichloroethane-d4	97.4	76-124	%	01/25/2005 07:44	
Toluene-d8	88.0	75-116	%	01/25/2005 07:44	

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

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Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report	
Prep(s) 30305	Analysis 8260B
Method Blank	Soil
MP 2005/01/26 10 62-010	QC Batch# 2005/01/26 10 62
	Date Analyzed 01/28/2005 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/26/2005 09:10	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	01/26/2005 09:10	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	01/26/2005 09:10	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	01/26/2005 09:10	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	01/26/2005 09:10	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	01/26/2005 09:10	
Benzene	ND	0.0050	mg/Kg	01/26/2005 09:10	
Toluene	ND	0.0050	mg/Kg	01/26/2005 09:10	
Ethyl benzene	ND	0.0050	mg/Kg	01/26/2005 09:10	
Total xylenes	ND	0.0050	mg/Kg	01/26/2005 09:10	
Surrogates(s)					
1,2-Dichloroethane-d4	98.6	76-124	%	01/26/2005 09:10	
Toluene-d8	90.2	75-116	%	01/26/2005 09:10	

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

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Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Prep(s): 5030B	Method: Blank	Soil:	QC Batch: 2005/01/29/2A.62
MB: 2005/01/29/2A.62-018			Date Extracted: 01/29/2005 17:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/29/2005 17:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	01/29/2005 17:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	01/29/2005 17:18	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	01/29/2005 17:18	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	01/29/2005 17:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	01/29/2005 17:18	
Benzene	ND	0.0050	mg/Kg	01/29/2005 17:18	
Toluene	ND	0.0050	mg/Kg	01/29/2005 17:18	
Ethyl benzene	ND	0.0050	mg/Kg	01/29/2005 17:18	
Total xylenes	ND	0.0050	mg/Kg	01/29/2005 17:18	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	76-124	%	01/29/2005 17:18	
Toluene-d8	97.4	75-116	%	01/29/2005 17:18	

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

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Site: 9750 Golf Links Road, Oakland

Batch QC Report		
Project: 8030B	Test No: 8260B	
Method: Blank	Soil	QC Batch #: 2005/01/31 2A.69
MB: 2005/01/31 2A.69.010		Date Extracted: 01/31/2005 18:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/31/2005 18:10	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	01/31/2005 18:10	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	01/31/2005 18:10	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	01/31/2005 18:10	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	01/31/2005 18:10	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	01/31/2005 18:10	
Benzene	ND	0.0050	mg/Kg	01/31/2005 18:10	
Toluene	ND	0.0050	mg/Kg	01/31/2005 18:10	
Ethyl benzene	ND	0.0050	mg/Kg	01/31/2005 18:10	
Total xylenes	ND	0.0050	mg/Kg	01/31/2005 18:10	
Surrogates(s)					
1,2-Dichloroethane-d4	117.6	76-124	%	01/31/2005 18:10	
Toluene-d8	109.8	75-116	%	01/31/2005 18:10	

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

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Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch/IC Report	
Prep(s): 5030B	Ref(s): 8260B
Laboratory Control Spike	Soil: GC Batch # 2005/01/25-1C.62
IC# 2005/01/25-1C.62-022	Extracted: 01/25/2005 Analyzed: 01/25/2005 07:22
ICSD	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0459		0.05	91.8			65-165	20		
Benzene	0.0495		0.05	99.0			69-129	20		
Toluene	0.0497		0.05	99.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	440		500	88.0			76-124			
Toluene-d8	469		500	93.8			75-116			

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Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Prep(s): 8260B			Ass(s): 8260B
Laboratory Control Spike			QC Batch #: 2005/01/26-IC-62
LCS: 2005/01/26-IC-62-048		Extracted: 01/26/2005	Analyzed: 01/26/2005 08:43
LCSD			

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0544		0.05	108.8			65-165	20		
Benzene	0.0472		0.05	94.4			69-129	20		
Toluene	0.0508		0.05	101.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	440		500	88.0			76-124			
Toluene-d8	473		500	94.6			75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Print(s): 5030B			Issue: 8260B
Laboratory Control Spike	Soil		QC Batch # 2005/01/29-2A.62
LCS: 2005/01/29-2A.62.040	Extracted: 01/29/2005		Anal: 01/29/2005 17:49
LCSD			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0557		0.05	111.4			65-165	20		
Benzene	0.0508		0.05	101.6			69-129	20		
Toluene	0.0519		0.05	103.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	444		500	88.8			76-124			
Toluene-d8	449		500	89.8			75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Prep(S): 5030B			Test(S): 8260B
Laboratory Control Spike		Spill	QC Batch #: 2005/01/31-2A-69
LCS: 2005/01/31-2A-69-05-1		Extracted: 01/31/2005	Analyzed: 01/31/2005 17:51
LCSD:			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0521		0.05	104.2			65-165	20		
Benzene	0.0497		0.05	99.4			69-129	20		
Toluene	0.0511		0.05	102.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	576		500	115.2			76-124			
Toluene-d8	524		500	104.8			75-116			

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

Cambria Environmental Sonoma

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Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report

File(s)	8260B	File(s)	8260B
Matrix Spike (MS / MSD)	Soil	QC Batch #	2005/01/25-1C-62
MS/MSD		Lab ID	2005-01-0620-0004
MS/MSD	2005/01/25-1C-62-006	Extracted	2005/01/25/2005
MS/MSD	2005/01/25-1C-62-028	Extracted	2005/01/25/2005
		Analyzed	2005/01/25/2005 10:06
		Dilution	1:100
		Analyzed	2005/01/25/2005 10:28
		Dilution	1:100

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0490	0.0547	ND	0.048262	101.5	114.2	11.8	65-165	20		
Benzene	0.0442	0.0499	ND	0.048262	91.6	104.2	12.9	69-129	20		
Toluene	0.0455	0.0498	ND	0.048262	94.3	104.0	9.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	448	460		500	89.6	92.0		76-124			
Toluene-d8	446	471		500	89.2	94.2		75-116			

Severn Trent Laboratories, Inc.

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

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

02/02/2005 16:32

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Report: 8260B	Project: 247-0735	Site: 9750 Golf Links Road, Oakland	QC Batch: 2005/01/26-16-624
Matrix Spike (MS / MSD)	Soil	Lab ID: 2005-01-0658-001	QC Batch: 2005/01/26-16-624
MS/MSD		Analyzed: 01/26/2005 10:01	Dilution: 1.00
MS: 2005/01/26-16-62-001	Extruded: 01/26/2005	Analyzed: 01/26/2005 10:23	Dilution: 1.00
MSD: 2005/01/26-16-62-023	Extruded: 01/26/2005		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0416	0.0445	ND	0.049701	83.7	91.0	8.4	65-165	20		
Benzene	0.0399	0.0417	ND	0.049701	80.3	85.2	5.9	69-129	20		
Toluene	0.0404	0.0437	ND	0.049701	81.3	89.3	9.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	466	442		500	93.2	88.4		76-124			
Toluene-d8	456	456		500	91.2	91.2		75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Project	8260B	Test(s)	8260B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2005/01/29/2A/62
MS/MSD		Lab ID	2005-01-0717-006
MS # 2005/01/29-2A-62-051	Extracted 01/29/2005	Analyzed	01/29/2005 18:51
		Dilution	1:100
MSD # 2005/01/29-2A-62-012	Relabeled 01/29/2005	Analyzed	01/29/2005 19:12
		Dilution	1:100

Compound	Conc. mg/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	0.0509	0.0608	ND	0.049019	103.8	121.6	15.8	65-165	20		
Benzene	0.0455	0.0548	ND	0.049019	92.8	109.6	16.6	69-129	20		
Toluene	0.0484	0.0562	ND	0.049019	98.7	112.4	13.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	463	471		500	92.6	94.2		76-124			
Toluene-d8	471	486		500	94.2	97.2		75-116			

Severn Trent Laboratories, Inc.

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

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02/02/2005 16:32

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland

Batch QC Report			
Prep(s):	60305	Matrix Spike (MS / MSD)	Soil
MS/MSD		MS/MSD	
MS:	2005/01/31-2A169-021	MS/MSD	
MSD:	2005/01/31-2A169-040	MS/MSD	
Extraced:	01/31/2005	LabID:	2005-01-0669-003
Extraced:	01/31/2005	Analyzed:	01/31/2005 20:21
		Dilution:	1:100
		Analyzed:	01/31/2005 20:40
		Dilution:	1:100

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0521	0.0521	ND	0.049603	105.0	105.9	0.9	65-165	20		
Benzene	0.0509	0.0483	ND	0.049603	102.6	98.1	4.5	69-129	20		
Toluene	0.0510	0.0528	ND	0.049603	102.8	107.3	4.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	535	528		500	107.0	105.6		76-124			
Toluene-d8	529	546		500	105.8	109.2		75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 01/20/2005 14:15

Site: 9750 Golf Links Road, Oakland



Analysis Flag

L2

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

STL-San Francisco

SHELL Chain Of Custody Record

97613

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

SOIL AND WATER ANALYSIS
 TECHNICAL SERVICES
 OTHER SERVICES

Karen Patryna

2005-01-0608

98995744

DATE: 1-19-05

PAGE: 1 of 1

CLIENT INFORMATION:
 Cambria Environmental Technology, Inc.
 270 Perkins Street, Sonoma, CA 95478
 PROJECT CONTACT (Name, Title & Phone):
 Anna Fried
 TELEPHONE: 707-492-2700 FAX: 707-836-8848 EMAIL: afried@cambriaenv.com

LABORATORY INFORMATION:
 CETS: 7750 Golf Links Road, Oakland, CA 94613 00707
 SITE ADDRESS (Street and City):
 7750 Golf Links Road, Oakland, CA 94613 00707
 BUY DELIVERABLE TO (Responsible Party or Company):
 Anna Fried PHONE NO.: 707-492-2700 EMAIL: sonomaadj@Cambria-env.com
 CONSULTANT PROJECT NO.: 247-0735

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

ANALYSIS TYPE:
 IA - MANDATORY REPORT FORMAT LIST AGENCY
 SOME METHS CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

ANALYST: S. Lewis

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (ASTM)	ETEX	MTBE	TBA	5 Organicals	1,2 DCA and EDB	Stipend	Methanol	VOCs by ASTM	Semi-Volatiles by ASTM	Lead <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	LIPTs <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
S-2-5.5'	1/18	1206	SO	1	K	K															TEMPERATURE ON RECEIPT: 2
S-2-10'	1/18	1210	SO	1	K	K															
S-5-5.5'	1/18	0750	SO	1	K	K															
S-5-11.5'	1/18	1002	SO	1	K	K															
S-5-15'	1/18	1011	SO	1	K	K															
S-5-20.5'	1/18	1052	SO	1	K	K															
S-5-24.5'	1/18	1110	SO	1	K	K															

Field Sample Identification	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (ASTM)	ETEX	MTBE	TBA	5 Organicals	1,2 DCA and EDB	Stipend	Methanol	VOCs by ASTM	Semi-Volatiles by ASTM	Lead <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	LIPTs <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TSP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
S-2-5.5'	1/18	1206	SO	1	K	K															TEMPERATURE ON RECEIPT: 2
S-2-10'	1/18	1210	SO	1	K	K															
S-5-5.5'	1/18	0750	SO	1	K	K															
S-5-11.5'	1/18	1002	SO	1	K	K															
S-5-15'	1/18	1011	SO	1	K	K															
S-5-20.5'	1/18	1052	SO	1	K	K															
S-5-24.5'	1/18	1110	SO	1	K	K															

Received by (Signature): <i>S. Lewis</i>	Received by (Signature): <i>Sonoma Office</i>	Date: 1-19-05	Time: 1530
Received by (Signature): <i>Sonoma Office</i>	Received by (Signature): <i>[Signature]</i>	Date: 1-20-05	Time: 1415
Received by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 1-20-05	Time: 1630

Printed on Recycled Paper with 50% Recycled Content, Green to Pink, Yellow and Pink to Green.

10710001/Revision

Circle K Sample (714) 955-8752

Brewer, Melissa

From: Lewis, Scott [slewis@cambria-env.com]
Sent: Wednesday, January 26, 2005 10:11 AM
To: Brewer, Melissa
Cc: 'Friel, Ana'; 'Friel, Ana'
Subject: Notification 9750 Golf Links Road, Oakland: 2005-01-0608

From: Melissa Brewer <mbrewer@stl-inc.com>

Project#: 247-0735

Project Name: 98995744

This email includes reports for the following tests:

-Cover Letter

File: STLSF2005010608-ChainofCustody-COC0000421976.PDF

S-2-5.5' is labeled as S-2-6.5'. We logged it in according to the Chain of Custody.

The correct sample ID should be S-2-6.5'

Thanks.

Scott Lewis

Senior Staff Geologist

Cambria Environmental Technology Inc.

(707) 933-2389 Desk

(707) 249-0697 Cell

(707) 935-8649 Fax

slewis@cambria-env.com

Cambria Environmental Sonoma

March 14, 2005

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 247-0735

Project: 98995744

Site: 9750 Golf Links Road, Oakland, California

Attached is our report for your samples received on 02/25/2005 11:00

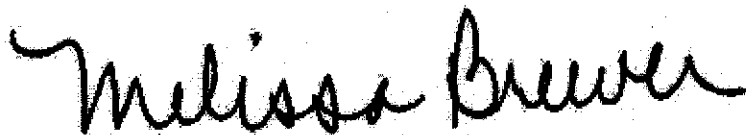
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/11/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

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

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

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Samples Reported

Sample Name	Date Sampled	Matrix	Depth
S-1-5.0'	02/23/2005 10:00	Soil	1
S-4-5.5'	02/23/2005 10:20	Soil	2
S-4-10.0'	02/23/2005 10:35	Soil	3
S-4-15.0'	02/23/2005 10:36	Soil	4
S-4-20.0'	02/23/2005 10:37	Soil	5
S-1-10.0'	02/23/2005 13:15	Soil	6
S-1-15.0'	02/23/2005 13:30	Soil	7
S-1-19.0'	02/23/2005 13:35	Soil	8

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S7150	Lab ID:	2005-02-0842-1
Sampled:	02/23/2005 10:00	Collected:	3/1/2005 19:42
Matrix:	Soil	QC Status:	2005/03/01 23:69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/01/2005 19:42	
Benzene	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
Toluene	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	03/01/2005 19:42	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/01/2005 19:42	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/01/2005 19:42	
Surrogate(s)						
1,2-Dichloroethane-d4	104.7	76-124	%	1.00	03/01/2005 19:42	
Toluene-d8	99.9	75-116	%	1.00	03/01/2005 19:42	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s): 5030B	Test(s): 8260B
Sample ID: 5-4-5-5	Lab ID: 2005-02-0842-2
Sampled: 02/23/2005 10:20	Extracted: 3/2/2005 10:56
Matrix: Soil	QC Batch#: 2005/03/02-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/02/2005 10:56	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	03/02/2005 10:56	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 10:56	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 10:56	
Surrogate(s)						
1,2-Dichloroethane-d4	103.5	76-124	%	1.00	03/02/2005 10:56	
Toluene-d8	99.3	75-116	%	1.00	03/02/2005 10:56	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s):	8260B	Test(s):	8260B
Sample ID:	S-4-10-0	Lab ID:	2005-02-0842-13
Sampled:	02/23/2005 10:35	Extraction:	3/2/2005 13:46
Matrix:	Soil	GC Balan#:	2005/03/02-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/02/2005 13:46	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	03/02/2005 13:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 13:46	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 13:46	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	76-124	%	1.00	03/02/2005 13:46	
Toluene-d8	97.8	75-116	%	1.00	03/02/2005 13:46	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s): 8030B	Prep(s): 8260B
Sample ID: 8-4-15-B	Lab ID: 2005-02-0842-4
Sampled: 02/23/2005 10:36	Extracted: 03/02/2005 14:05
Matrix: Soil	Old Batch#: 2005/03/02-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/02/2005 14:05	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	03/02/2005 14:05	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 14:05	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:05	
Surrogate(s)						
1,2-Dichloroethane-d4	111.8	76-124	%	1.00	03/02/2005 14:05	
Toluene-d8	90.7	75-116	%	1.00	03/02/2005 14:05	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476

Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-4-20.0	Lab ID:	2005-02-0842-08
Sampled:	02/23/2005 10:37	Extracted:	03/02/2005 14:23
Matrix:	Soil	QC Batch:	2005/03/02 1A69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/02/2005 14:23	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
tert-Butyl alcohol (TBA)	0.029	0.010	mg/Kg	1.00	03/02/2005 14:23	
Methyl tert-butyl ether (MTBE)	0.29	0.0050	mg/Kg	1.00	03/02/2005 14:23	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 14:23	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:23	
Surrogate(s)						
1,2-Dichloroethane-d4	101.5	76-124	%	1.00	03/02/2005 14:23	
Toluene-d8	99.1	75-116	%	1.00	03/02/2005 14:23	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s): 5030B Test(s): 8260B
Sample ID(s): 1-10-0 Lab ID: 2005-02-0842-6
Sampled: 02/23/2005 13:36 Extracted: 3/7/2005 13:36
Matrix: Soil QC Batch#: 2005/03/07-2A-09
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	4.4	mg/Kg	4.42	03/07/2005 13:36	
Benzene	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
Toluene	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
Ethyl benzene	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
Total xylenes	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
tert-Butyl alcohol (TBA)	0.14	0.044	mg/Kg	4.42	03/07/2005 13:36	
Methyl tert-butyl ether (MTBE)	0.32	0.022	mg/Kg	4.42	03/07/2005 13:36	
Di-isopropyl Ether (DIPE)	ND	0.044	mg/Kg	4.42	03/07/2005 13:36	
Ethyl tert-butyl ether (ETBE)	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
tert-Amyl methyl ether (TAME)	ND	0.022	mg/Kg	4.42	03/07/2005 13:36	
Surrogate(s)						
1,2-Dichloroethane-d4	84.2	76-124	%	4.42	03/07/2005 13:36	
Toluene-d8	100.8	75-116	%	4.42	03/07/2005 13:36	

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s):	8020B	Test(s):	8260B
Sample ID:	S-1-15.0	Lab ID:	2005-02-0842-7
Sampled:	02/23/2005 13:30	Extracted:	3/2/2005 14:42
Matrix:	Soil	GC Batch#:	2005/03/02-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	03/02/2005 14:42	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
tert-Butyl alcohol (TBA)	0.014	0.010	mg/Kg	1.00	03/02/2005 14:42	
Methyl tert-butyl ether (MTBE)	0.16	0.0050	mg/Kg	1.00	03/02/2005 14:42	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 14:42	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 14:42	
Surrogate(s)						
1,2-Dichloroethane-d4	101.1	76-124	%	1.00	03/02/2005 14:42	
Toluene-d8	100.9	75-116	%	1.00	03/02/2005 14:42	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

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Project: 247-0735

98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-419.0	Lab ID:	2005-02-0842-B
Sampled:	02/23/2005 13:35	Expected:	02/2005 15:01
Matrix:	Soil	QC Batch#:	2005/03/02-1A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	3.6	1.0	mg/Kg	1.00	03/02/2005 15:01	
Benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
Toluene	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
tert-Butyl alcohol (TBA)	0.014	0.010	mg/Kg	1.00	03/02/2005 15:01	
Methyl tert-butyl ether (MTBE)	0.054	0.0050	mg/Kg	1.00	03/02/2005 15:01	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	03/02/2005 15:01	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	03/02/2005 15:01	
Surrogate(s)						
1,2-Dichloroethane-d4	96.3	76-124	%	1.00	03/02/2005 15:01	
Toluene-d8	107.3	75-116	%	1.00	03/02/2005 15:01	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s): 5030B	Soil	Test(s): 8260B	
Method: Blank		QC Batch #: 2005/03/01-2G.69	
MB: 2005/03/01-2G.69-112		Date Extracted: 03/01/2005 19:12	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	03/01/2005 19:12	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	03/01/2005 19:12	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	03/01/2005 19:12	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	03/01/2005 19:12	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	03/01/2005 19:12	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	03/01/2005 19:12	
Benzene	ND	0.0050	mg/Kg	03/01/2005 19:12	
Toluene	ND	0.0050	mg/Kg	03/01/2005 19:12	
Ethyl benzene	ND	0.0050	mg/Kg	03/01/2005 19:12	
Total xylenes	ND	0.0050	mg/Kg	03/01/2005 19:12	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	76-124	%	03/01/2005 19:12	
Toluene-d8	109.5	75-116	%	03/01/2005 19:12	

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s) 830305	Soil	Test(s) 8260B	
Method Blank		QC Batch # 2005/02/02-1A/69	
MB 2005/03/02-1A-69-047		Date Extracted 03/02/2005 07:47	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	03/02/2005 07:47	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	03/02/2005 07:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	03/02/2005 07:47	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	03/02/2005 07:47	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	03/02/2005 07:47	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	03/02/2005 07:47	
Benzene	ND	0.0050	mg/Kg	03/02/2005 07:47	
Toluene	ND	0.0050	mg/Kg	03/02/2005 07:47	
Ethyl benzene	ND	0.0050	mg/Kg	03/02/2005 07:47	
Total xylenes	ND	0.0050	mg/Kg	03/02/2005 07:47	
Surrogates(s)					
1,2-Dichloroethane-d4	95.0	76-124	%	03/02/2005 07:47	
Toluene-d8	100.8	75-116	%	03/02/2005 07:47	

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method: Blank		Soil	QC Batch #: 2005/03/07-2A-69
MB: 2005/03/07-2A-69-018			Date Extracted: 03/07/2005 08:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	03/07/2005 08:18	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	03/07/2005 08:18	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	03/07/2005 08:18	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	03/07/2005 08:18	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	03/07/2005 08:18	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	03/07/2005 08:18	
Benzene	ND	0.0050	mg/Kg	03/07/2005 08:18	
Toluene	ND	0.0050	mg/Kg	03/07/2005 08:18	
Ethyl benzene	ND	0.0050	mg/Kg	03/07/2005 08:18	
Total xylenes	ND	0.0050	mg/Kg	03/07/2005 08:18	
Surrogates(s)					
1,2-Dichloroethane-d4	92.2	76-124	%	03/07/2005 08:18	
Toluene-d8	95.8	75-116	%	03/07/2005 08:18	

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

Cambria Environmental Sonoma

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270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Blank Report			
Project: 5030B	GC/MS 8260B		
Laboratory Control Spike	Soil	GC Batch #: 2005/03/01 2G 169	
LCS: 2005/03/01 2G 69-053	Extracted: 03/01/2005	Analyzed: 03/01/2005 18:53	
LCSD			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0493		0.05	98.6			65-165	20		
Benzene	0.0437		0.05	87.4			69-129	20		
Toluene	0.0483		0.05	96.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481		500	96.2			76-124			
Toluene-d8	478		500	95.6			75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s): 5030B			Ref(s): 8260B
Laboratory Control Spike		Soil	GC Batch # 2005/03/02-1A-69
LCS: 2005/03/02-1A-69-028		Extracted: 03/02/2005	Analyzed: 03/02/2005 07:28
LCSD			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0443		0.05	88.6			65-165	20		
Benzene	0.0479		0.05	95.8			69-129	20		
Toluene	0.0515		0.05	103.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			76-124			
Toluene-d8	536		500	107.2			75-116			

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s): 5080B			Test(s): 8260B
Laboratory Control Spike	Soil		QC Batch # 2005/03/07-2A 89
LCS: 2005/03/07-2A 89-059	Extracted: 03/07/2005		Analyzed: 03/07/2005 07:59
LCSD:			

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0457		0.05	91.4			65-165	20		
Benzene	0.0543		0.05	108.6			69-129	20		
Toluene	0.0584		0.05	116.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	436		500	87.2			76-124			
Toluene-d8	519		500	103.8			75-116			

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch QC Report			
Prep(s): 8260B			Test(s): 8260B
Matrix Spike (MS /MSD)	Soil		QC Batch # 2005/03/01-2G-69
S:1-5.0 MS			Lab ID: 2005-02-0842-001
MS: 2005/03/01-2G-69-043	Extracted: 03/01/2005		Analyzed: 03/01/2005 20:01
			Dilution: 1.00
MSD: 2005/03/01-2G-69-044	Extracted: 03/01/2005		Analyzed: 03/01/2005 20:04
			Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level mg/Kg	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0339	0.0454	ND	0.049309	68.7	90.8	27.7	65-165	20		R1
Benzene	0.0342	0.0425	ND	0.049309	69.4	85.0	20.2	69-129	20		R1
Toluene	0.0365	0.0485	ND	0.049309	74.0	97.0	26.9	70-130	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	466	510		500	93.2	102.0		76-124			
Toluene-d8	507	557		500	101.4	111.4		75-116			

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

Cambria Environmental Sonoma

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch/QC Report			
Prep(s)	8260B	Test(s)	8260B
Matrix Spike (MS/MSD)	Soil	QC Batch #	2005/03/02-1A.69
MS/MSD		Lab ID	2005-03-0020-001
MS	2005/03/02-1A.69-041	Extracted	03/02/2005
MSD	2005/03/02-1A.69-059	Analysed	03/02/2005 09:43
		Dilution	1.00
		Analysed	03/02/2005 09:59
		Dilution	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0401	0.0424	ND	0.047709	84.1	86.8	3.2	65-165	20		
Benzene	0.0445	0.0464	ND	0.047709	93.3	95.0	1.8	69-129	20		
Toluene	0.0424	0.0518	ND	0.047709	88.9	106.1	17.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	444	446		500	88.9	89.2		76-124			
Toluene-d8	465	516		500	92.9	103.2		75-116			

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

Cambria Environmental Sonoma

Attn.: Ana Friel

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Project: 247-0735
98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Batch-OC Report			
Prep(s):	8260B	Batch #:	8260B
Matrix Spike (MS / MSD)	Soil	GC Batch #	2005/03/07-2A-69
MS/MSD		Lab ID	2005-02-0825-007
MS	2005/03/07-2A-69-039	Extracted:	03/07/2005
		Analyzed:	03/07/2005 12:39
		Dilution:	1.00
MSD	2005/03/07-2A-69-058	Extracted:	03/07/2005
		Analyzed:	03/07/2005 12:58
		Dilution:	1.00

Compound	Conc. mg/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	0.0456	0.0439	ND	0.049900	91.4	88.9	2.8	65-165	20		
Benzene	0.0487	0.0471	ND	0.049900	97.6	95.3	2.4	69-129	20		
Toluene	0.0495	0.0428	ND	0.049900	99.2	86.6	13.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	475	480		500	95.0	96.0		76-124			
Toluene-d8	469	437		500	93.8	87.4		75-116			

Severn Trent Laboratories, Inc.

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

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

03/14/2005 12:19

Page 18 of 19

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3812 Fax: (707) 442-2700

Project: 247-0735

98995744

Received: 02/25/2005 11:00

Site: 9750 Golf Links Road, Oakland, California

Legend and Notes

Analysis Flag

L2

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

Result Flag

R1

Analyte RPD was out of QC limits.

SHELL Chain Of Custody Record

102710

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- SOILS AND ENVIRONMENTAL
- TECHNICAL SERVICES
- OTHER

Karen Petryna

2005-02-0842

INVOICE NUMBER							
9	8	9	9	5	7	4	4
SHELL PROJECT NO.							

DATE: 2/23/05

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG NUMBER: CETS	SHIP ADDRESS (Street and City): 9750 Golf Links Road, Oakland, California	GLOBAL ID NO.:
ADDRESS: 270 Perkins Street, Sonoma, CA 95470	SHIP DELIVERABLE TO (Responsible Party or Analyst): Ana Friel	PHONE NO.:	GLOBAL ID NO.:
PROJECT CONTACT (Responsible Party or Analyst): Ana Friel	PROJECT NO.:	EMAIL:	SHELL LAB PROJECT NO.:
TELEPHONE: 707-268-3812	FAX: (707) 935-6649	EMAIL: anafr@cambria-env.com	247-0735

TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 30 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	COMPLETION (per): John Gerbrandt
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<input type="checkbox"/> LA - RWQCL REPORT FORMAT <input checked="" type="checkbox"/> USE AGENCY: <u>Alameda County</u> GCMS MTRC CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____ SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>	REQUESTED ANALYSIS
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TPH - Puffable	TPH - Extractable (60/15m)	BTEX	MTBE	IPA	Organics	1,4 DCA and EDB	Ethanol	Methanol	VOCs by ASES	Semi-Volatiles by ASES	Lead <input type="checkbox"/> Tin <input type="checkbox"/> Silic <input type="checkbox"/> TSP	LIPT5 <input type="checkbox"/> TSP <input type="checkbox"/> Silic <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> TSP <input type="checkbox"/> Silic <input type="checkbox"/> TSP	Test for Disposal - PER ATTACHED SHEET	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes TEMPERATURE ON RECEIPT: <u>7</u>
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Field Sample Identification	SAMPLING		MTRC	NO. OF CONT.	TPH - Puffable	TPH - Extractable (60/15m)	BTEX	MTBE	IPA	Organics	1,4 DCA and EDB	Ethanol	Methanol	VOCs by ASES	Semi-Volatiles by ASES	Lead <input type="checkbox"/> Tin <input type="checkbox"/> Silic <input type="checkbox"/> TSP	LIPT5 <input type="checkbox"/> TSP <input type="checkbox"/> Silic <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> TSP <input type="checkbox"/> Silic <input type="checkbox"/> TSP	Test for Disposal - PER ATTACHED SHEET	TEMPERATURE ON RECEIPT	
	DATE	TIME																			
S-1-5.0'	2/23	1000	SO	1	X		X			X											
S-4-5.5'	2/23	1010	SO	1																	
S-4-10.0'	2/23	1035	SO	1																	
S-4-15.0'	2/23	1036	SO	1																	
S-4-20.0'	2/23	1037	SO	1																	
S-1-10.0'	2/23	1315	SO	1																	
S-1-15.0'	2/23	1330	SO	1																	
S-1-19.0'	2/23	1335	SO	1																	

Requested by (Signature): <i>John Gerbrandt</i>	Requested by (Signature): <i>Sonoma Office</i>	Date: 2/23/05	Time: 18:30
Requested by (Signature): <i>Sonoma Office</i>	Requested by (Signature): <i>[Signature]</i>	Date: 2-25-05	Time: 1100
Requested by (Signature): <i>[Signature]</i>	Requested by (Signature): <i>[Signature]</i>	Date: 2-25-05	Time: 1510

CAMS Graphic 01/03/05/07/02