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Jerry Wickham
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1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
4255 MacArthur Blvd.
Oakland, California
SAP Code 135701
Incident No. 98995758
ACHCSA Case No: RO-0486

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Denis L. Brown
Project Manager

CAMBRIA

September 6, 2006

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Well Installation Report**
Former Shell-branded Service Station
4255 MacArthur Boulevard
Oakland, California
Incident # 98995758
SAP Code 135701
Cambria Project #248-0524-006
ACEH Case #3769

Dear Mr. Wickham

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent site investigation activities at the referenced site. The purpose of the investigation was to augment the site's groundwater monitoring network. Cambria followed the scope of work presented in our March 15, 2006 *Well Installation Work Plan* and approved in Alameda County Health Care Services Agency's (ACHCSA) April 6, 2006 letter to Shell. Cambria performed the work in accordance with ACHCSA and San Francisco Bay Regional Water Quality Control Board guidelines.

SITE BACKGROUND

Location and Site Use: The site is a former Shell service station located at the MacArthur Boulevard and High Street intersection in a mixed commercial and residential area of Oakland, California (Figures 1 and 2). An active 76 service station and a former Chevron service station are located east of the site. A trailer park and adjacent California Department of Transportation (Caltrans) access to Interstate 580 are located immediately southwest of the site. Topography slopes toward the west, with a 5-foot (ft) elevation difference between grade at the site and the trailer park property, and an additional 5-ft elevation difference between grade at the trailer park property and the Caltrans property.

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Soil Lithology: Soils encountered during drilling activities consist primarily of dense, silty sands and sandy silts with clay to the maximum explored depth of 30 feet below grade (fbg).

Groundwater Depth and Flow Direction: Since November 1993, quarterly groundwater monitoring has been conducted at the site. The historical depth to groundwater on site has ranged from approximately 4 to 17 fbg. Groundwater typically flows in a west-southwesterly direction.

PREVIOUS WORK

June 1985 Subsurface Investigation: In June 1985, Emcon Associates of San Jose, California drilled three soil borings and installed one groundwater monitoring well adjacent to the underground storage tanks (USTs). Up to 15,800 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg) were detected in the shallow soil samples from inside the UST area. In July 1992, GeoStrategies, Inc. of Hayward, California performed a site reconnaissance and verified that the original monitoring well had been destroyed during the 1985 UST replacement activities. Table 1 presents historical soil analytical results.

December 1985 UST Replacement: In December 1985, the USTs were replaced, and approximately 810 cubic yards of hydrocarbon-bearing soil were transported to a disposal facility. Up to 22,000 ppm total volatile hydrocarbons and 500 ppm benzene were detected in the soil samples from the excavation.

November 1993 Subsurface Investigation: In November 1993, Weiss Associates (WA) of Emeryville, California drilled soil borings BH-A, BH-B and BH-C, which were converted into monitoring wells MW-1, MW-2 and MW-3, respectively. Up to 1,700 ppm TPHg and 3.3 ppm benzene were detected in soil boring BH-C (MW-3) between 11 and 16 fbg. Up to 66 ppm TPHg and 0.07 ppm benzene were detected in soil boring BH-B (MW-2) between 9 and 14 fbg.

November 1994 Subsurface Investigation: In November 1994, WA drilled on-site soil borings BH-D and BH-E, located on the northeastern end of the lot, and off-site boring BH-F (MW-4), located near the Highway 580 on-ramp. Up to 5,900 ppm TPHg and 23 ppm benzene were detected at 5 fbg in soil boring BH-E, located adjacent to the central eastern pump island. Trace hydrocarbon concentrations were detected in the capillary fringe soil samples collected from each boring.

November 1995 Dispenser and Piping Removal and Sampling: In November 1995, WA collected 15 soil samples during dispenser and piping replacement activities. Up to 7,800 ppm TPHg were detected in samples collected from beneath the former middle dispenser, and up to

2,800 ppm TPHg were detected in the sample collected from beneath the adjacent product piping. Up to 7,300 ppm TPHg were detected in the sample collected from beneath the northeast dispenser island. No benzene above 1 ppm was detected in any of the 15 samples. During the dispenser replacements, horizontal wells HW-1 through HW-4 were installed in the vadose zone about 5 ft below ground surface and adjacent to the former piping and dispensers to facilitate future removal of petroleum hydrocarbons from the impacted soil.

August 1997 Soil Vapor Extraction (SVE) Test: In August 1997, Cambria performed short-term SVE tests using a VR Systems Model V3 internal combustion engine on horizontal vapor extraction wells HW-1 through HW-4 and monitoring wells MW-2 and MW-3. Cambria measured vapor extraction flow rates, the vacuum applied to the wellheads, and the vacuum influence in nearby wells. Cambria calculated an effective radius of influence of 35 to 50 ft during testing of wells MW-3 and MW-2. The relatively high TPHg removal rates measured in horizontal wells HW-1 through HW-4 were most likely temporary and are not believed to be representative of site conditions due to extensive well screen in permeable fill material. The results of the short-term testing indicated that SVE achieves only low hydrocarbon removal rates in wells MW-2 and MW-3, which are more representative of native soil conditions.

February 1998 Subsurface Investigation: In February 1998, Cambria drilled two off-site borings (SB-1 and SB-2) in the trailer park adjacent to the Shell site. No TPHg or benzene was detected in the soil samples collected from the two borings. The highest methyl tertiary-butyl ether (MTBE) concentration detected in soil was 1.4 ppm detected in soil boring SB-2 at a depth of 7 fbg. Up to 7,700 parts per billion (ppb) TPHg, 210 ppb benzene, and 46,000 ppb MTBE were detected in the grab groundwater sample collected from soil boring SB-2. In sample analysis of soil physical parameters, total organic carbon was detected at 2,140 ppm and 7,210 ppm at a depth of 5.5 fbg in borings SB-1 and SB-2, respectively, and total porosity was measured as 35.2% and 37.4%, respectively. Specific permeability values were 181 millidarcies (md) for SB-1-5.5 and 71 md for SB-2-5.5, but the lab noted that due to fine fractures developed in the samples upon drying, the measured values were an order of magnitude or more too high. Permeability measurements confirmed the low permeability of the shallow soils beneath the site.

2001 Sensitive Receptor Survey (SRS), Conduit Study and Site Conceptual Model (SCM): Cambria included an SRS, conduit study results, and an SCM in the *First Quarter 2001 Monitoring Report.* The SRS identified 25 monitoring wells, 4 cathodic protection wells, and 1 domestic well within ½ mile of the site. Given the conduit study results, Cambria concluded that nearby sewer, storm drain, and water lines located between 8 to 13 fbg could serve as preferential pathways for petroleum hydrocarbons and MTBE migration. However, Cambria did not identify any conduits in the nearby downgradient direction.

November 2001 Off-Site Monitoring Well Installation: Shell voluntarily instructed Cambria to delineate the off-site plume, and on November 12, 2001, Cambria supervised the installation of one downgradient monitoring well (MW-5) approximately 200 ft southwest of the site, on the Caltrans right-of-way adjacent to the I-580 on-ramp. No TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX) or MTBE was detected in the soil sample collected during the investigation. MW-5 has been included in the quarterly groundwater monitoring schedule since the first quarter of 2002. MTBE concentrations have ranged from 12 to 110 ppb and tertiary-butanol (TBA) concentrations have ranged from non-detectable to 46.3 ppb. No other analytes have been detected in groundwater from this well.

January 2003 Tank Removal and Soil Excavation: Between January 27 and February 7, 2003, all surface features, USTs, fuel dispensers, and associated product piping were removed from the site. Cambria conducted soil and groundwater sampling, and supervised over-excavation to remove hydrocarbon-impacted soils to the practical extents. Approximately 875 cubic yards of soil were removed from the site during the tank-pull and over-excavation activities. Approximately 4,600 gallons of groundwater were pumped to dewater the UST excavation prior to removing the tanks. The highest chemical concentrations in soil in the former UST area were 380 ppm TPHg, 1.7 ppm benzene and 1.2 ppm MTBE, detected in the southeast corner of the tank pit in sample TP-5. The grab groundwater sample (TP-1-Water) from the former tank pit area contained 11,000 ppb TPHg, 410 ppb benzene and 5,200 ppb MTBE. The highest hydrocarbon concentrations remaining in soil in any of the former dispenser areas were 980 ppm TPHg and 1.2 ppm benzene, detected in sample P-2-8 at 8 fbg. The highest detected MTBE concentration remaining in soil in any of the former dispenser areas was 0.9 ppm, detected in sample D-5-S10. Following over-excavation, approximately 720 pounds of oxygen-releasing compound were mixed in the excavation base before backfilling with 1.5-inch drain rock to 4 fbg. The remainder of the tank pit and the over-excavation was backfilled and compacted with Class II road base material. In the April 28, 2003 *Tank Closure and Soil Excavation Report,* Cambria recommended installing one additional groundwater monitoring well in the southern corner of the former tank pit. Cambria submitted a September 22, 2003, *Subsurface Investigation Work Plan* detailing the proposed monitoring well installation activities. However, the well was never installed.

April 2005 Subsurface Investigation: On April 5 and 6, 2005, Cambria oversaw the advancement of 11 CPT soil borings (CPT-1 through CPT-11) and 2 direct-push Geoprobe® soil borings (SB-3 and SB-4). Soils from borings SB-3 and SB-4 were logged continuously to confirm the CPT logs. At each CPT location, a UVIF module was used to identify hydrocarbons in the subsurface. No soil samples were submitted for laboratory analysis. Based on the data collected during this investigation, it appeared that no separate-phase hydrocarbons were present at these locations, but that dissolved-phase hydrocarbons are present at most locations at two

distinct depths: a shallow zone in the silt and clay above 17 fbg, and a deeper zone in the silt, clay, and sand from approximately 19 to 20 fbg to the bottom of the borings at 25 fbg. Details of this investigation are included in Cambria's June 6, 2005 *Subsurface Investigation Report.*

October 2005 Subsurface Investigation: On October 25 and 26, 2005, Cambria directed the advancement of four soil borings (SB-5, SB-6, SB-7, and SB-8) by a direct-push drill rig using a dual-tube sampling system to assess current subsurface conditions at the site. All borings were intended to be continuously logged for lithology to a maximum of 35 fbg, with soil samples collected every 5 ft until first encountered water. A dense clay limited the total explored depths of each boring. TPHg was detected in nine soil samples at concentrations up to 2,600 ppm. Benzene was detected in seven soil samples from SB-7, with a maximum concentration of 13 ppm at 10 fbg. Toluene was detected in six soil samples from SB-7, with a maximum concentration of 17 ppm at 10 fbg. Ethylbenzene was detected in nine soil samples at concentrations up to 45 ppm. Xylenes were detected in 11 soil samples at concentrations up to 270 ppm. MTBE was detected in 12 soil samples at concentrations up to 1.2 ppm. TBA was detected in nine soil sample at concentrations up to 1.6 ppm.

A second boring was advanced adjacent to each initial boring in attempt to collect discrete-depth grab groundwater samples. Due to the difficulty encountered in advancing the dual-tube system during soil sampling, a hydropunch system was utilized for groundwater water sampling. Insufficient quantities of groundwater were encountered, and no groundwater samples were collected. Details of the investigation are presented in Cambria's December 14, 2005 *Subsurface Investigation Report*

Based on Cambria's recommendation in its December 14, 2005 *Subsurface Investigation Report*, ACHCSA sent a letter to Shell dated January 19, 2006, requesting a work plan and concurring with the recommendation to augment the groundwater monitoring network by installing additional wells. Cambria submitted the requested work plan on March 15, 2006 and presents the results of this work below.

INVESTIGATION SUMMARY

Cambria oversaw the installation of four groundwater monitoring wells (MW-6, MW-7, MW-8, and MW-9) at the locations shown on Figure 2. The locations of the wells were adjusted from the proposed locations due to subsurface obstructions. Additionally a total of 11 attempts were made in alternate locations to install the wells before their final placement as shown on Figure 2.

Cambria presents our standard field procedures for installing monitoring wells in Attachment A and summarizes the details of this subsurface investigation below.

Cambria Personnel Present: Cambria Senior Staff Scientist Stewart Dalie directed the field activities, working under the supervision of California Professional Geologist David Gibbs.

Permit(s): Cambria obtained monitoring well installation permits (Permit #'s W2006-0356, 0357, 0358, and 0359) from the Alameda County Public Works Agency (Attachment B).

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

Drilling Dates: June 15 through June 20, 2006.

Drilling Methods: Geoprobe® hydraulic push sampling and 8-inch hollow-stem augers for MW-6, and 10-inch hollow-stem augers for MW-7, MW-8 and MW-9.

Number of Borings and Wells: Four hollow-stem-auger borings were drilled and converted into groundwater monitoring wells MW-6, MW-7, MW-8, and MW-9. Cambria shows the well locations on Figure 2.

Boring Depths: The MW-6 boring was advanced to 24 fbg. MW-7, MW-8, and MW-9 borings were advanced to 30 fbg.

Groundwater Depths: Cambria observed groundwater initially in the borings at depths ranging between 23 and 29 fbg during drilling activities. Blaine Tech Services, Inc. (Blaine) of San Jose, California will measure groundwater depth in the wells during the next quarterly monitoring event

Soil Sampling Methods: Cambria logged soil types using the Unified Soil Classification System and describes the encountered soils on the boring logs presented in Attachment C. Cambria collected soil samples at 5-foot intervals for soil description, chemical analysis, and headspace analysis. Cambria screened soil samples from the borings for the presence of organic vapors using a photo-ionization detector (PID). PID readings are recorded on the boring logs.

Soil Classification:

Soils encountered in these borings were consistent with soils encountered during previous investigations. Soils consisted of gravel, silty gravel and silty clay underlain by clay, clayey sand, and sand to approximately 30 fbg.

Chemical Analyses:

California-certified Test America Laboratories of Bothell, Washington analyzed selected soil samples from well borings MW-6, MW-7, MW-8, and MW-9 for TPHg using EPA Method 8015 Modified, and for BTEX, and fuel oxygenates (tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), and MTBE) using EPA Method 8260B. Attachment D includes the laboratory analytical report.

Soil Disposal:

Cambria temporarily stockpiled soil generated during the field activities on site and profiled the soil for disposal. The laboratory report is included in Attachment E. On August 25, 2006, Manley and Sons Trucking, Inc. of Sacramento, California transported approximately 6.21 tons of soil to Allied Waste Industries' Forward Landfill in Manteca, California for disposal as non-hazardous waste. The disposal confirmation sheet is included in Attachment E.

Well Construction:

MW-7, MW-8, and MW-9 were constructed using 4-inch diameter Schedule 40 PVC casing. and MW-6 was constructed using 2-inch diameter Schedule-40 PVC casing. MW-7 was screened from 9 to 29 fbg, MW-8 and MW-9 were screened from 9 to 30 fbg, and MW-6 was screened from 9 to 24 fbg using 0.010-inch machine slotted screen. The wells were completed by placing a filter pack of Monterey #2/12 sand from the bottom of the well casing to approximately 2 feet above the top of the screened casing. Approximately 2 feet of bentonite were placed above the filter pack. Neat Portland cement was placed in the annular space between the boring wall and the PVC casing from the top of the bentonite seal to approximately 1 fbg. A flush-mounted, traffic-rated well box was installed to protect and finish each well to grade. Cambria presents monitoring well construction details on the boring logs (Attachment C). Department of Water Resources well completion reports are included as Attachment F.

Well Development/Sampling: Blaine will develop and purge wells MW-6. MW-7, MW-8, and MW-9 and gauge and sample all site wells during the third quarter of 2006. Blaine will develop the wells using surge block agitation and pump evacuation. Blaine's groundwater monitoring and well development report, which includes field sheets, will be presented in our third quarter 2006 groundwater monitoring report, which is due by November 15, 2006.

Wellhead Survey: Virgil Chavez Land Surveying (licensed land surveyor No. 6323) of Vallejo, California surveyed the top of casing elevations for wells MW-6, MW-7, MW-8, and MW-9 relative to mean sea level and surveyed the wells' longitudes and latitudes on July 13, 2006. The survey report is included as Attachment G, and the data will be uploaded to GeoTracker, as required.

INVESTIGATION RESULTS

Analytical Results in Soil: TPHg was detected in soil samples collected from well borings MW-5, MW-6, and MW-9 at concentrations ranging between 4.57 milligrams per kilogram (mg/kg) to 552 mg/kg. Benzene was detected in soil samples collected from all four well borings (MW-6 through MW-9) at concentrations ranging between 0.15 mg/kg to 1.4 mg/kg. MTBE was detected in soil samples collected from well borings MW-6, MW-7, and MW-9 at concentrations ranging between 0.46 mg/kg to 3.1 mg/kg. No TBA, DIPE, ETBE or TAME concentrations were detected during this investigation.

Table 1 summarizes soil chemical analytical data, and Figure 2 presents TPHg, benzene, and MTBE concentrations. As referenced above, the laboratory analytical report is included in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

Four monitoring wells were installed to improve the groundwater monitoring network at this site. It is recommended that the wells be added to the existing groundwater monitoring program, with submittal of quarterly reports in accordance with the existing schedule.

CLOSING

We appreciate your continued assistance with this project. Please call Ana Friel at (707) 268-3812 if you have any questions or comments regarding the contents of this report.

Sincerely,
Cambria Environmental Technology, Inc.

for Stewart A. Dalie
Senior Staff Scientist

Ana Friel, PG
Associate Geologist

Figures: 1 - Site Vicinity and Area Well Survey Map
2 - Soil Chemical Concentration Map

Table: 1 - Historical Soil Analytical Data

Attachments: A - Standard Field Procedures for Installing Monitoring Wells
B - Permits
C - Boring Logs and Well Construction Details
D - Laboratory Analytical Reports
E - Stockpile Disposal Confirmation and Laboratory Report
F - Department of Water Resources Well Completion Reports
G - Virgil Chavez Well Survey Report

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Roland C. Malone, Jr., PO Box 2744, Castro Valley, CA 94546
Kenneth Williams, Mac Arthur/High Trailer Park, c/o Bookkeeping, 332 Peyton Dr., Hayward, CA 94544
Thomas H. Kosel, Conoco-Phillips Company, 76 Broadway, Sacramento, CA 95818

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05/15/06

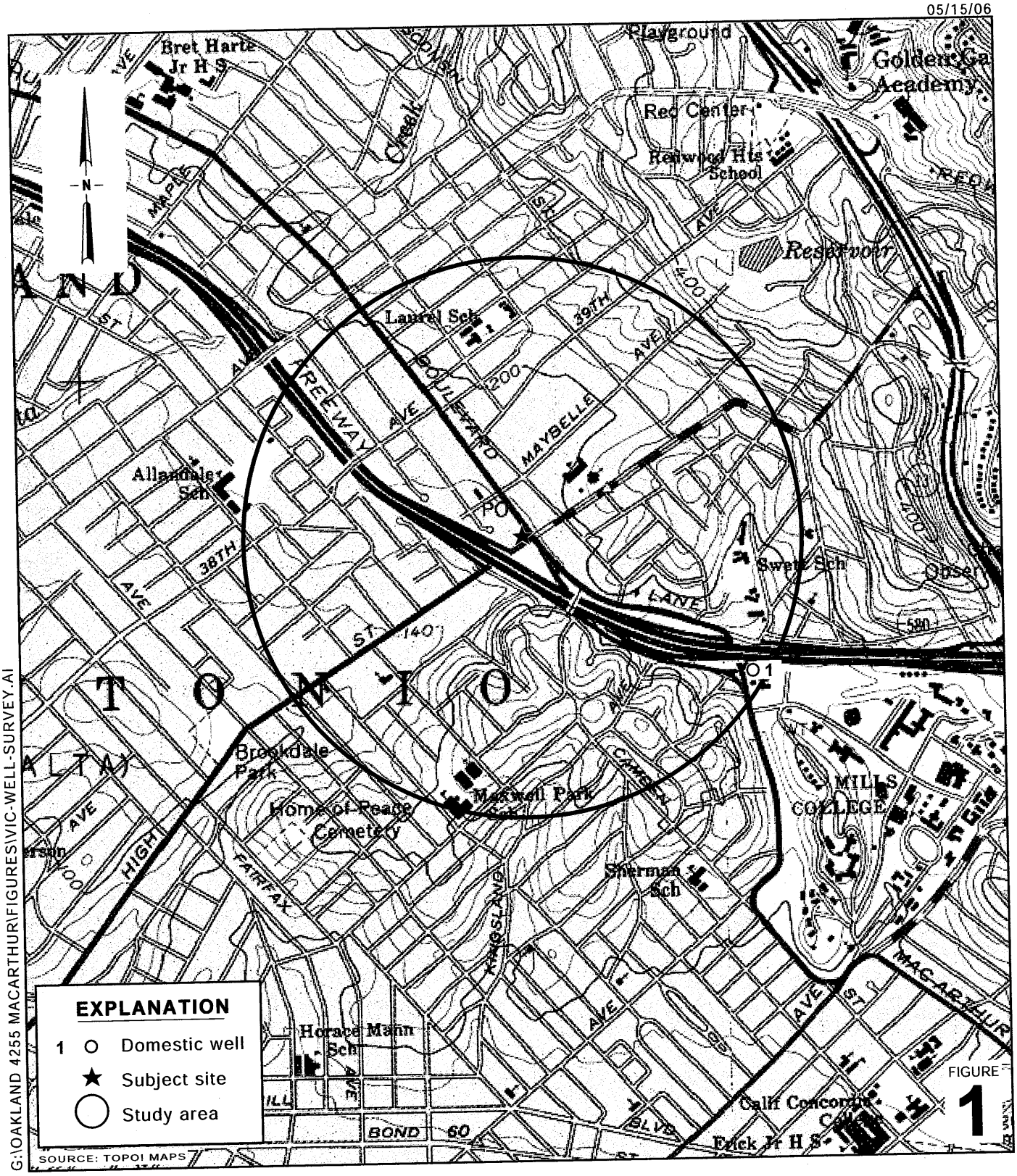

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FIGURE 1

Former Shell Service Station
4255 MacArthur Boulevard
Oakland, California
Incident No.98995758

CAMBRIA

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

09/05/06

Soil Chemical Concentration Map

June 16-20, 2006

MW-6: SOIL (mg/kg)			
Depth	TPHg	Benz.	MTBE
5'	<4.00	<0.07	<0.37
10'	**239**	**0.50**	**0.57**
15'	**329**	**0.25**	**0.54**
20'	<4.00	<0.07	<0.37

MW-8: SOIL (mg/kg)			
Depth	TPHg	Benz.	MTBE
5'	<4.00	<0.08	<0.40
10'	<4.00	**0.15**	<0.38
15'	<4.00	<0.07	<0.37
20'	<4.00	<0.08	<0.38
25'	<4.00	<0.07	<0.36
29.5'	<4.00	<0.07	<0.37

MW-7: SOIL (mg/kg)			
Depth	TPHg	Benz.	MTBE
5'	**4.57**	<0.07	**0.46**
10'	**111**	**0.41**	**3.1**
15'	**62.1**	**1.4**	**1.5**
20'	<4.00	<0.07	<0.37
25'	<4.00	<0.08	<0.38
29.5'	<4.00	<0.08	<0.39

MW-9: SOIL (mg/kg)			
Depth	TPHg	Benz.	MTBE
5'	**9.78**	<0.07	<0.36
10'	**552**	**0.25**	<0.40
15'	<4.00	<0.08	<0.40
20'	<4.00	<0.08	<0.38
25'	<4.00	<0.08	**0.54**
29.5'	<4.00	<0.08	<0.38

EXPLANATION

- Refused hand auger location
- MW-1 — Monitoring well location (Shell)
- TB-1 — Destroyed tank backfill well location (Shell)
- MW-1 — Monitoring well location (Tosco)
- Water line (W)
- Storm drain line (SD)
- Sanitary sewer line (SS)

SB-1: SOIL (mg/kg) | Depth | TPHg | Benz. | MTBE

- Soil Sample ID
- Soil sample depth and TPHg, benzene, and MTBE concentrations in soil, in mg/kg

0 20 40 80

Scale (ft)

Groundwater Flow Direction
(07/99 - 4/06)

FIGURE

2

Former Shell Service Station

4255 MacArthur Boulevard
Oakland, California
Incident No.98995758

CAMBRIA

G:\OAKLAND 4255 MACARTHUR\FIGURES\SITE PLAN.DWG

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			← (mg/kg) →										
1985 Subsurface Investigation													
S-1	6/10/1985	13.5-15	ND*	---	---	---	---	---	---	---	---	---	---
	6/10/1985	18.5-20	ND*	---	---	---	---	---	---	---	---	---	---
S-A	6/10/1985	4-5.5	**15,800***	---	---	---	---	---	---	---	---	---	---
	6/10/1985	8.5-10	**2***	---	---	---	---	---	---	---	---	---	---
	6/10/1985	10-11.5	ND*	---	---	---	---	---	---	---	---	---	---
S-B	6/10/1985	13.5-15	**2***	---	---	---	---	---	---	---	---	---	---
1993 Subsurface Investigation													
BH-A (MW-1)	11/3/1993	6.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1993	10.5	**24**	**0.4**	0.028	0.12	1	---	---	---	---	---	---
	11/3/1993	14.0	**26**	**0.028**	0.02	0.062	0	---	---	---	---	---	---
	11/3/1993	18.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1993	22.0	<1	**0.0063**	0.0094	0.0097	0.057	---	---	---	---	---	---
BH-B (MW-2)	11/3/1993	6.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1993	9.0	**7.6**	**0.069**	<0.0025	0.044	0.11	---	---	---	---	---	---
	11/3/1993	14.0	**66**	**0.07**	0.44	0.53	2.6	---	---	---	---	---	---
	11/3/1993	18.5	<1	**0.032**	0.012	0.0042	0.02	---	---	---	---	---	---
	11/3/1993	24.0	<1	**0.021**	0.023	0.0037	0.021	---	---	---	---	---	---
BH-C (MW-3)	11/4/1993	6.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/4/1993	11.3	**1,700**	**1.1**	2.5	33	44	---	---	---	---	---	---
	11/4/1993	16.0	**610**	**3.3**	5.7	6.9	33	---	---	---	---	---	---
	11/4/1993	22.5	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
SB-1	2/12/1994	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.10**	---	---	---	---
	2/12/1994	7.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.10**	---	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			← (mg/kg) →										
SB-2	2/12/1994	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	<0.10**	---	---	---	---
	2/12/1994	7.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**1.4**	**0.88****	---	---	---	---
1994 Subsurface Investigation													
BH-D	11/3/1994	5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1994	10.0	<1	**0.13**	<0.0025	0.011	0.01	---	---	---	---	---	---
	11/3/1994	15.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1994	20.0	<1	<0.0025	<0.0025	<0.0025	0.015	---	---	---	---	---	---
BH-E	11/3/1994	5.0	**5,900**	**23**	160	120	430	---	---	---	---	---	---
	11/3/1994	10.0	<1	**0.031**	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1994	15.0	<1	**0.0053**	0.0033	<0.0025	0.007	---	---	---	---	---	---
	11/3/1994	20.0	<1	<0.0025	0.0077	<0.0025	0.015	---	---	---	---	---	---
BH-F (MW-4)	11/3/1994	5.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
	11/3/1994	10.0	**13**	**0.029**	0.14	0.17	0.54	---	---	---	---	---	---
	11/3/1994	15.0	<1	**0.044**	0.0033	0.017	0.032	---	---	---	---	---	---
	11/3/1994	20.0	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---	---	---	---
1995 Dispenser and Piping Removal and Sampling													
S-1	11/17/1995	3.0	**3,200**	<5.0	27	39	250	---	---	---	---	---	---
S-2	11/17/1995	2.0	**7,800**	<15	51	71	540	---	---	---	---	---	---
S-3	11/17/1995	2.0	**7,300**	<12	14	42	500	---	---	---	---	---	---
S-4	11/17/1995	2.5	**1.5**	**0.052**	<0.005	0.021	0.0069	---	---	---	---	---	---
S-5	11/17/1995	3.0	**1.1**	<0.005	<0.005	<0.005	0.013	---	---	---	---	---	---
S-6	11/17/1995	2.5	**1.1**	**0.19**	<0.005	0.046	0.020	---	---	---	---	---	---
S-7	11/17/1995	3.0	**10**	**0.12**	0.030	0.24	0.98	---	---	---	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			(mg/kg)										
S-8	11/17/1995	3.0	**2,800**	<5.0	5.1	25	140	---	---	---	---	---	---
S-9	11/17/1995	3.5	**6.5**	<0.005	<0.005	<0.005	0.021	---	---	---	---	---	---
S-10	11/17/1995	3.5	**44**	<0.05	<0.05	0.051	0.22	---	---	---	---	---	---
S-11	11/17/1995	3.5	**2.6**	**0.026**	<0.005	0.011	0.014	---	---	---	---	---	---
S-12	11/17/1995	4.0	**39**	**0.26**	<0.05	0.42	1.7	---	---	---	---	---	---
S-13	11/17/1995	4.0	**12**	**0.85**	0.46	0.31	1.5	---	---	---	---	---	---
S-14	11/17/1995	4.0	**300**	<0.5	<0.5	3.8	10	---	---	---	---	---	---
S-15	11/17/1995	5.0	**210**	**0.28**	<0.25	1.9	6.4	---	---	---	---	---	---
1998 Subsurface Investigation													
SB-1 - 5.0	2/13/1998	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.10	---	---	---	---
SB-1 - 7.0	2/13/1998	7.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.10	---	---	---	---
SB-2 - 5.0	2/13/1998	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.10	---	---	---	---
SB-2 - 7.0	2/13/1998	7.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	**1.4**	**0.88**	---	---	---	---
2001 Off-Site Monitoring Well Installation													
MW-5	11/12/2001	5.5	<1.0	<0.005	<0.005	<0.005	<0.005	---	<0.5	---	---	---	---
2003 Tank Closure and Soil Excavation													
TP-1	1/27/2003	10.5	**91**	<0.5	**0.31**	**0.074**	**1.3**	---	**5.9**	---	---	---	---
TP-2	1/27/2003	10.0	**2.0**	<0.5	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---
TP-3	1/27/2003	11.0	<1.0	<0.5	**0.048**	<0.005	**0.010**	---	**0.0089**	---	---	---	---
TP-4	1/27/2003	10.0	**1.6**	<0.5	<0.005	<0.005	<0.005	---	**0.0086**	---	---	---	---
TP-5	1/27/2003	10.0	**380**	**1.2**	**1.7**	**0.45**	**3.7**	---	**15**	---	---	---	---
TP-6	1/27/2003	10.0	**2.1**	**1.2**	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			(mg/kg)										
D-1	1/30/2003	3.0	**260**	**0.64**	<0.005	**3.9**	**5.0**	---	**1.2**	---	---	---	---
D-2	1/30/2003	4.0	<1.0	<0.5	**0.0080**	<0.005	**0.0052**	---	**0.0081**	---	---	---	---
D-3	1/30/2003	3.0	**130**	<0.5	<0.025	**0.030**	**1.2**	---	**8.8**	---	---	---	---
D-4	1/30/2003	3.0	**51**	<0.5	**0.11**	<0.025	**0.59**	---	**0.12**	---	---	---	---
P-1	1/30/2003	3.0	**130**	<0.5	**0.058**	<0.025	**1.5**	---	**1.4**	---	---	---	---
P-2	1/30/2003	3.0	**420**	<0.5	**1.5**	**0.36**	**8.6**	---	**21**	---	---	---	---
P-3	1/30/2003	3.0	<1.0	<0.5	**0.0079**	<0.005	**0.0084**	---	**0.0050**	---	---	---	---
D-1-6.5	1/31/2003	6.5	**87**	<0.5	**0.11**	<0.025	**0.58**	---	**0.51**	---	---	---	---
D-2-5.5	1/31/2003	5.5	**3.7**	**0.6**	**0.22**	<0.005	**0.064**	---	**0.073**	---	---	---	---
D-3-8	1/31/2003	8.0	**53**	<0.5	**0.27**	<0.025	**0.13**	---	**0.38**	---	---	---	---
D-4-8	1/31/2003	8.0	**1,100**	<0.5	**2.2**	<0.050	**10**	---	**9.9**	---	---	---	---
D-5-6.0	1/31/2003	6.0	**2,200**	<0.5	**2.0**	**6.5**	**28**	---	**110**	---	---	---	---
P-1-5.5	1/31/2003	5.5	<1.0	<0.5	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---
P-2-8	1/31/2003	8.0	**910**	<0.5	**1.2**	<0.050	**16**	---	**32**	---	---	---	---
P-3-8	1/31/2003	8.0	**420**	<0.5	**0.46**	<0.050	**5.2**	---	**13**	---	---	---	---
D-4-12	2/4/2003	12.0	**2.9**	<0.5	**0.19**	<0.005	**0.036**	---	**0.17**	---	---	---	---
D-4-N6	2/4/2003	6.0	**5.5**	<0.5	**0.024**	**0.10**	**0.025**	---	**0.11**	---	---	---	---
D-5-14	2/4/2003	14.0	<1.0	<0.5	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---
D-5-S10	2/4/2003	10.0	<1.0	**0.9**	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---
D-5-W10	2/4/2003	10.0	**160**	<0.5	**0.40**	<0.025	**0.035**	---	<0.050	---	---	---	---
D-5-E10	2/4/2003	10.0	**35**	<0.5	**0.035**	<0.005	**0.051**	---	**0.017**	---	---	---	---
P-2-12	2/4/2003	12.0	<1.0	<0.5	<0.005	<0.005	<0.005	---	<0.005	---	---	---	---
P-2-N6	2/4/2003	6.0	**42**	<0.5	**0.12**	**0.063**	**0.45**	---	**3.6**	---	---	---	---
E-6	2/4/2003	6.0	**1.9**	<0.5	**0.030**	**0.076**	**0.069**	---	**0.33**	---	---	---	---
E-12	2/4/2003	12.0	**21**	<0.5	<0.005	<0.005	**0.062**	---	**0.42**	---	---	---	---

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			← (mg/kg) →										
2005 Subsurface Investigation													
SB-5	10/28/05	5	**19**	<0.023	<0.023	**0.11**	**0.030**	---	**0.064**	**0.083**	<0.046	<0.023	<0.023
	10/28/05	10	**58**	<0.55	<0.55	<0.55	<0.55	---	<0.55	<2.8	<1.1	<0.55	<0.55
	10/28/05	15	**220**	<0.50	<0.50	**1.9**	**2.1**	---	<0.50	<2.5	<1.0	<0.50	<0.50
	10/28/05	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.035**	<0.010	<0.010	<0.0050	<0.0050
SB-6	10/28/05	5	<1.0	<0.0050	<0.0050	<0.0050	**0.011**	---	<0.0050	<0.010	<0.010	<0.0050	<0.0050
	10/28/05	10.5	**160**	<0.50	<0.50	<0.50	<0.50	---	<0.50	<2.5	<1.0	<0.50	<0.50
	10/28/05	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.067**	**1.6**	<0.010	<0.0050	<0.0050
	10/28/05	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.19**	**0.19**	<0.010	<0.0050	<0.0050
	10/28/05	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0073**	<0.010	<0.010	<0.0050	<0.0050
SB-7	10/28/05	5	**220**	**0.59**	<0.50	**2.9**	**10**	---	**1.2**	<2.5	<1.0	<0.50	<0.50
	10/28/05	10	**2,600**	**13**	**17**	**45**	**270**	---	**0.95**	<2.5	<1.0	<0.50	<0.50
	10/28/05	15	**260**	**1.4**	**3.7**	**2.6**	**13**	---	<0.50	<2.5	<1.0	<0.50	<0.50
	10/28/05	20.5	<4.6	<0.023	<0.023	<0.023	**0.069**	---	**0.097**	**0.12**	<0.046	<0.023	<0.023
	10/28/05	25	**9.0**	**0.087**	**0.087**	**0.14**	**0.82**	---	**0.27**	**0.088**	<0.010	<0.0050	<0.0050
	10/28/05	30	**1.2**	**0.023**	**0.038**	**0.031**	**0.15**	---	**0.077**	**0.030**	<0.010	<0.0050	<0.0050
	10/28/05	35	<1.0	**0.031**	**0.028**	**0.020**	**0.089**	---	**0.10**	**0.024**	<0.010	<0.0050	<0.0050
	10/28/05	40	<1.0	**0.017**	**0.015**	**0.0078**	**0.033**	---	**0.019**	<0.010	<0.010	<0.0050	<0.0050
SB-8	10/28/05	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.010	<0.010	<0.0050	<0.0050
	10/28/05	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	<0.010	<0.010	<0.0050	<0.0050
	10/28/05	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	**0.081**	<0.010	<0.0050	<0.0050
	10/28/05	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.014**	**0.020**	<0.010	<0.0050	<0.0050

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
			(mg/kg)										
2006 Monitoring Well Installations													
MW-6	6/16/06	5	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.37	<3.7	<0.37	<0.37	<0.37
	6/16/06	10	**239**	**0.50**	<0.08	**3.5**	**17.0**	---	**0.57**	<4.0	<0.40	<0.40	<0.40
	6/16/06	15	**329**	**0.25**	<0.08	**0.77**	**2.9**	---	**0.54**	<3.9	<0.39	<0.39	<0.39
	6/16/06	20	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.37	<3.7	<0.37	<0.37	<0.37
MW-7	6/20/06	5	**4.57**	<0.07	<0.07	<0.07	<0.22	---	**0.46**	<3.7	<0.37	<0.37	<0.37
	6/20/06	10	**111**	**0.41**	<0.07	**1.2**	**4.5**	---	**3.1**	<3.6	<0.36	<0.36	<0.36
	6/20/06	15	**62.1**	**1.4**	**0.56**	**16**	**43**	---	**1.5**	<3.8	<0.38	<0.38	<0.38
	6/20/06	20	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.37	<3.7	<0.37	<0.37	<0.37
	6/20/06	25	<3.97	<0.08	<0.08	<0.08	<0.23	---	<0.38	<3.8	<0.38	<0.38	<0.38
	6/20/06	29.5	<3.97	<0.08	<0.08	<0.08	<0.23	---	<0.39	<3.9	<0.39	<0.39	<0.39
MW-8	6/19/06	5	<4.00	<0.08	<0.08	<0.08	<0.24	---	<0.40	<4.0	<0.40	<0.40	<0.40
	6/19/06	10	<4.00	**0.15**	<0.08	<0.08	<0.23	---	<0.38	<3.8	<0.38	<0.38	<0.38
	6/19/06	15	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.37	<3.7	<0.37	<0.37	<0.37
	6/19/06	20	<4.00	<0.08	<0.08	<0.08	<0.23	---	<0.38	<3.8	<0.38	<0.38	<0.38
	6/19/06	25	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.36	<3.6	<0.36	<0.36	<0.36
	6/19/06	29.5	<4.00	<0.07	<0.07	<0.07	<0.22	---	<0.37	<3.7	<0.37	<0.37	<0.37
MW-9	6/19/06	5	**9.78**	<0.07	<0.07	<0.07	**0.97**	---	<0.36	<3.6	<0.36	<0.36	<0.36
	6/19/06	10	**552**	**0.25**	**0.11**	**4.7**	**20**	---	<0.40	<4.0	<0.40	<0.40	<0.40
	6/19/06	15	<4.00	<0.08	<0.08	<0.08	<0.24	---	<0.40	<4.0	<0.40	<0.40	<0.40
	6/19/06	20	<4.00	<0.08	<0.08	<0.08	<0.23	---	<0.38	<3.8	<0.38	<0.38	<0.38
	6/19/06	25	<4.00	<0.08	<0.08	<0.08	<0.23	---	**0.54**	<3.8	<0.38	<0.38	<0.38
	6/19/06	29.5	<4.00	<0.08	<0.08	<0.08	<0.23	---	<0.38	<3.8	<0.38	<0.38	<0.38

Table 1. Historical Soil Analytical Results - Shell-branded Service Station, 4255 MacArthur Boulevard, Oakland, California

Boring/ Well ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8020)	MTBE (8260)	TBA	DIPE	ETBE	TAME
		(fbg)	← (mg/kg) →										

Abbreviations and Notes:

mg/kg = Milligrams per kilogram (parts per million).
TPHg = Total Petroleum Hydrocarbons as gasoline. Analyzed by EPA Method 8260B; before 2001, analyzed by EPA Method 8015.
Benzene, toluene, ethylbenzene, and xylene. Analyzed by EPA Method 8260B; before 2001, analyzed by EPA Method 8020.
MTBE (8020) = Methyl tertiary butyl ether, analyzed by EPA Method 8020.
MTBE (8260) = Methyl tertiary butyl ether, analyzed by EPA Method 8260B.
TBA = Tertiary-butanol, analyzed by EPA Method 8260B.
DIPE - Di-isopropyl ether, analyzed by EPA Method 8260B.
ETBE = Ethyl tertiary-butyl ether, analyzed by EPA Method 8260B.
TAME = Tertiary-amyl methyl ether, analyzed by EPA Method 8260B.
--- = Not analyzed for this constituent.
<n = Below laboratory detection limit of n ppm.
* = Sample analysis method unknown.
** = Results reported after sample hold time had expired.

Referenced documents:
Cambria, Offsite Monitoring Well Installation Report, 1/02 (MW-5)
Cambria, Subsurface Investigation, 3/19/98 (S-1, S-2)
Weiss, Subsurface Investigation, 1/26/95 (BH-D through BH-F)
Weiss, Subsurface Investigation, 3/15/94 (BH-A through BH-C)
Weiss, Dispenser Replacement Sampling, 4/1/96 (S-1 through S-15)
Emcon, Shell Service Station, 7/26/85 (S-A, S-B, and S-1)

ATTACHMENT A

Standard Field Procedures for Installing Monitoring Wells

STANDARD FIELD PROCEDURES FOR INSTALLING MONITORING WELLS

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Professional Geologist (P.G.) or Professional Engineer (P.E.).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

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

Sample Analysis

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

Field Screening

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

Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Grouting

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

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

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

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

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

Well Development

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

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

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

ATTACHMENT B

Permits

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/15/2006 By jamesy **Receipt Number: WR2006-0230**
Permits Issued: W2006-0356 to W2006-0359 **Permits Valid from 06/13/2006 to 06/16/2006**

Application Id: 1147463371797 **City of Project Site:** Oakland
Site Location: 4255 MacArthur Blvd, Oakland, CA 94619
Project Start Date: 06/13/2006 **Completion Date:** 06/16/2006

Applicant: Cambria Environmental - Stu Dalie **Phone:** 510-420-3339
5900 Hollis St #A, Emeryville, CA 94608
Property Owner: Shell Oil Products (US) **Phone:** 707-865-5021
2094 S Wilmington, Carson, CA 90810
Client: ** same as Property Owner **

Total Due:	$1200.00
Total Amount Paid:	$1200.00
Payer Name : Cambria Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $1200.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2006-0356	05/15/2006	09/11/2006	MW6	8.00 in.	2.00 in.	10.00 ft	30.00 ft
W2006-0357	05/15/2006	09/11/2006	MW7	10.00 in.	4.00 in.	10.00 ft	30.00 ft
W2006-0358	05/15/2006	09/11/2006	MW8	10.00 in.	4.00 in.	10.00 ft	30.00 ft
W2006-0359	05/15/2006	09/11/2006	MW9	10.00 in.	4.00 in.	10.00 ft	30.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter

10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall contact George Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

7. Minimum surface seal thickness is two inches of cement grout placed by tremie

8. Minimum seal depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

ATTACHMENT C

Boring Logs/Well Construction Details

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	Former Shell-branded service station	**DRILLING STARTED**	16-Jun-06
LOCATION	4255 MacArthur Boulevard, Oakland, California	**DRILLING COMPLETED**	16-Jun-06
PROJECT NUMBER	248-0524-006	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Geoprobe & Hollow-stem auger	**TOP OF CASING ELEVATION**	169.89 ft above msl
BORING DIAMETER	2"	**SCREENED INTERVALS**	9 to 24 fbg
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	23.0 fbg (16-Jun-06) ▽
REVIEWED BY	Aubrey Cool, PG 7659	**DEPTH TO WATER (Static)**	10.50 fbg (17-Jun-06) ▼
REMARKS	Hand augered and air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
							ASPHALT	0.8
							Rock; Shale / Asphalt Mixture	2.0
					GW		**Well Graded GRAVEL**; 7.5YR 2.5/1 Black; dry; 20% silt, 20% fine sand, 60% coarse gravel.	4.0
1		MW-6- 5		5			**CLAY**; 7.5YR 5/1 Dark gray; dry; 60% clay, 40% silt.	
3.5		MW-6- 10		10	CL		**CLAY with Gravel** 7.5YR 5/1 Dark gray; damp; 60% clay, 20% silt, 5% fine sand, 15% fine gravel; low plasticity. ▼	
10		MW-6- 15		15			**CLAY with Gravel** 2.5YR 3/3 Dark olive brown; damp; 60% clay, 25% silt, 15% fine gravel; medium plasticity.	17.3
0.1		MW-6- 20		20	GC		**Clayey GRAVEL with Sand** 2.5YR 5/1 Dark gray; damp; 25% clay, 15% fine sand, 60% coarse gravel.	
							Clayey GRAVEL with Sand 2.5YR 5/1 Dark gray; damp; 20% clay, 20% fine sand, 60% coarse gravel. ▽	24.0

WELL DIAGRAM

- Portland Type I/II
- 2" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 2"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 24 fbg

WELL LOG (PID) G:\OAKLAND 4255 MACARTHUR\4255.GPJ DEFAULT.GDT 8/10/06

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	Former Shell-branded service station	**DRILLING STARTED**	20-Jun-06
LOCATION	4255 MacArthur Boulevard, Oakland, California	**DRILLING COMPLETED**	20-Jun-06
PROJECT NUMBER	248-0524-006	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	170.87 ft above msl
BORING DIAMETER	4"	**SCREENED INTERVALS**	9 to 29 fbg
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	29.0 fbg (20-Jun-06)
REVIEWED BY	Aubrey Cool, PG 7659	**DEPTH TO WATER (Static)**	27.00 fbg (20-Jun-06)
REMARKS	Hand augered and air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							Asphalt	0.8	Portland Type I/II
					GM		**Silty GRAVEL**; 2.5Y 2.5/1 Black; damp; 20% clay, 25% silt, 55% coarse gravel.	2.0	
							CLAY with Gravel 2.5Y 3/1 Very dark gray; dry; 60% clay, 25% silt, 15% fine gravel.		4" diam., Schedule 40 PVC
38		MW-7- 5		5	CL				Bentonite Seal
325		MW-7- 10		10			**CLAY**; 2.5Y 3/1 Very dark gray; stiff; dry; 60% clay, 30% silt, 10% fine sand.		
								14.3	
140		MW-7- 15		15	GC		**Clayey GRAVEL with Sand** 2.5Y 3/1 Very dark gray; medium dense; damp; 25% clay, 15% fine sand, 60% coarse gravel.		
								18.5	Monterey Sand #2/12
					CL		**2.5Y 4/3 Light olive brown; stiff; damp; 75% clay, 20% silt, 5% fine sand; high plasticity.**		4"-diam., 0.010" Slotted Schedule 40 PVC
0		MW-7- 20		20	SC		**Clayey SAND** 2.5Y 4/3 Light olive brown; medium dense; damp; 20% clay, 5% silt, 70% fine sand, 5% fine gravel.	20.3 21.0	
							Poorly Graded GRAVEL with Sand 2.5Y 4/3 Light olive brown; dense; damp to wet; 10% clay, 5% silt, 20% coarse sand, 65% fine gravel.		
0		MW-7- 25		25	GP				
								29.0	
0		MW-7- 29.5		30	CL		**CLAY with Gravel** 2.5Y 4/3 Light olive brown; stiff; damp; 65% clay, 15% silt, 5% fine sand, 15% fine gravel.	30.0	Bentonite Seal Bottom of Boring @ 30 fbg

WELL LOG (PID) G:\OAKLAND 4255 MACARTHUR\4255.GPJ DEFAULT.GDT 8/10/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
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Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	Former Shell-branded service station	**DRILLING STARTED**	19-Jun-06
LOCATION	4255 MacArthur Boulevard, Oakland, California	**DRILLING COMPLETED**	19-Jun-06
PROJECT NUMBER	248-0524-006	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	174.13 ft above msl
BORING DIAMETER	4"	**SCREENED INTERVALS**	9 to 30 fbg
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	28.0 fbg (19-Jun-06)
REVIEWED BY	Aubrey Cool, PG 7659	**DEPTH TO WATER (Static)**	21.50 fbg (19-Jun-06)
REMARKS	Hand augered and air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							GRAVEL / FILL: 10YR 4/3 Brown; dry; 100% coarse gravel.	2.0	
					GC		**Clayey GRAVEL**: 10YR 4/3 Brown; dry; 45% clay, 55%	4.0	Portland Type I/II
2		MW-8- 5		5			**CLAY**: 10YR 2/1 Black; very stiff; dry; 60% clay, 40% silt		4" diam., Schedule 40 PVC
12		MW-8- 10		10	CL		**CLAY with Gravel** 2.5Y 3/2 Dark olive brown; very stiff; damp; 55% clay, 30% silt, 15% fine gravel.		Bentonite Seal
10		MW-8- 15		15					
12		MW-8- 20		20	GC		**Clayey GRAVEL with Silt and Sand** 2.5Y 5/3 Light olive brown; very dense; damp; 20% clay, 15% silt, 15% fine sand, 50% fine gravel. ▼	19.0	Monterey Sand #2/12 4"-diam., 0.010" Slotted Schedule 40 PVC
0		MW-8- 25		25	GW		**Well Graded GRAVEL with Sand** 10YR 5/4 Dark yellowish brown with rust mottling; very dense; damp to wet; 30% fine sand, 70% coarse gravel. ▽	25.0	
0		MW-8- 29.5		30				30.0	Bottom of Boring @ 30 fbg

WELL LOG (PID) G:\OAKLAND 4255 MACARTHUR\4255.GPJ DEFAULT.GDT 8/10/06

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Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-9
JOB/SITE NAME	Former Shell-branded service station	**DRILLING STARTED**	19-Jun-06
LOCATION	4255 MacArthur Boulevard, Oakland, California	**DRILLING COMPLETED**	19-Jun-06
PROJECT NUMBER	248-0524-006	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	175.20 ft above msl
BORING DIAMETER	4"	**SCREENED INTERVALS**	9 to 30 fbg
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	29.0 fbg (19-Jun-06)
REVIEWED BY	Aubrey Cool, PG 7659	**DEPTH TO WATER (Static)**	17.00 fbg (19-Jun-06)
REMARKS	Hand augered and air knifed to 5 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					GW		**Well Graded GRAVEL**; 7.5YR 5/1 Gray; dry; 100% coarse gravel.	1.0
					GC		**Clayey GRAVEL with Sand** 10YR 5/2 Gray; dry; 25% clay, 15% coarse sand, 75% coarse gravel.	4.0
37		MW-9-5		5	CL		**CLAY**; 2.5YR 3/3 Dark olive brown; very stiff; dry; 55% clay, 30% silt, 5% fine gravel. 10% fine gravel.	
295		MW-9-10		10			**Gravely CLAY** 2.5 YR 3/3 Dark olive brown; very stiff; damp; 60% clay, 15% silt, 25% fine gravel.	
86		MW-9-15		15				
30		MW-9-20		20	GC		**Clayey GRAVEL with Silt and Sand** 2.5Y 4/3 Olive brown; medium dense; damp; 20% clay, 15% silt, 15% fine sand, 50% coarse gravel.	20.0
					SM		**Silty SAND with Gravel** 2.5Y 4/3 Olive brown with rust mottling; medium dense; damp; 10% clay, 20% silt, 55% fine sand, 15% fine gravel.	22.0
16		MW-9-25		25				
					SW		**Well Graded SAND** 2.5Y 4/3 Olive brown; loose; damp to wet; 95% coarse sand, 5% fine gravel.	27.5
					SM		**Silty SAND** 2.5Y 4/3 Olive brown; medium dense; wet; 10% clay, 20% silt, 60% coarse sand, 5% fine gravel.	28.0
5		MW-9-29.5		30	CL		**CLAY**; 2.5Y 5/3 Dark olive brown; hard; damp; 75% clay, 25% silt; medium plasticity.	29.0 / 30.0

WELL DIAGRAM

- Portland Type I/II
- 4" diam., Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.010" Slotted Schedule 40 PVC
- Bottom of Boring @ 30 fbg

WELL LOG (PID) G:\OAKLAND 4255 MACARTHUR\4255.GPJ DEFAULT.GDT 8/10/06

ATTACHMENT D

Laboratory Analytical Report

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

August 10, 2006

Stewart Dalie
Cambria Environmental Technology-Emeryville
5900 Hollis Street, Suite A
Emeryville, CA 94608

RE: Shell #135701

Enclosed are the results of analyses for samples received by the laboratory on 06/24/06 10:58. The following list is a summary of the Work Orders contained in this report, generated on 08/10/06 17:01.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPF0650	Shell #135701	[none]

Cherie Howland

Cherie Howland, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6-5	BPF0650-01	Soil	06/16/06 09:20	06/24/06 10:58
MW-6-10	BPF0650-02	Soil	06/16/06 09:30	06/24/06 10:58
MW-6-15	BPF0650-03	Soil	06/16/06 09:40	06/24/06 10:58
MW-6-20	BPF0650-04	Soil	06/16/06 10:00	06/24/06 10:58
MW-9-5	BPF0650-05	Soil	06/19/06 08:00	06/24/06 10:58
MW-9-10	BPF0650-06	Soil	06/19/06 08:20	06/24/06 10:58
MW-9-15	BPF0650-07	Soil	06/19/06 08:45	06/24/06 10:58
MW-9-20	BPF0650-08	Soil	06/19/06 09:00	06/24/06 10:58
MW-9-25	BPF0650-09	Soil	06/19/06 09:15	06/24/06 10:58
MW-9-29.5	BPF0650-10	Soil	06/19/06 09:30	06/24/06 10:58
MW-8-5	BPF0650-11	Soil	06/19/06 13:00	06/24/06 10:58
MW-8-10	BPF0650-12	Soil	06/19/06 13:20	06/24/06 10:58
MW-8-15	BPF0650-13	Soil	06/19/06 13:40	06/24/06 10:58
MW-8-20	BPF0650-14	Soil	06/19/06 13:50	06/24/06 10:58
MW-8-25	BPF0650-15	Soil	06/19/06 14:00	06/24/06 10:58
MW-8-29.5	BPF0650-16	Soil	06/19/06 14:15	06/24/06 10:58
MW-7-5	BPF0650-17	Soil	06/20/06 08:45	06/24/06 10:58
MW-7-10	BPF0650-18	Soil	06/20/06 08:50	06/24/06 10:58
MW-7-15	BPF0650-19	Soil	06/20/06 09:00	06/24/06 10:58
MW-7-20	BPF0650-20	Soil	06/20/06 09:15	06/24/06 10:58
MW-7-25	BPF0650-21	Soil	06/20/06 09:30	06/24/06 10:58
MW-7-29.5	BPF0650-22	Soil	06/20/06 09:45	06/24/06 10:58

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Gasoline Range Hydrocarbons by EPA 8015M

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-01 (MW-6-5)		**Soil**			**Sampled: 06/16/06 09:20**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/27/06 19:21	
Surrogate(s): 4-BFB (FID)			*91.7%*		*50 - 150 %*	"			"	
BPF0650-02 (MW-6-10)		**Soil**			**Sampled: 06/16/06 09:30**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**239**	-----	40.0	mg/kg wet	10x	6F27032	06/27/06 10:43	06/27/06 19:51	
Surrogate(s): 4-BFB (FID)			*179%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-03 (MW-6-15)		**Soil**			**Sampled: 06/16/06 09:40**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**329**	-----	16.0	mg/kg wet	4x	6F27032	06/27/06 10:43	06/28/06 17:54	
Surrogate(s): 4-BFB (FID)			*230%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-04 (MW-6-20)		**Soil**			**Sampled: 06/16/06 10:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 07:08	
Surrogate(s): 4-BFB (FID)			*95.8%*		*50 - 150 %*	"			"	
BPF0650-05 (MW-9-5)		**Soil**			**Sampled: 06/19/06 08:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**9.78**	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 07:37	
Surrogate(s): 4-BFB (FID)			*102%*		*50 - 150 %*	"			"	
BPF0650-06 (MW-9-10)		**Soil**			**Sampled: 06/19/06 08:20**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**552**	-----	20.0	mg/kg wet	5x	6F27032	06/27/06 10:43	06/28/06 08:07	
Surrogate(s): 4-BFB (FID)			*377%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-07 (MW-9-15)		**Soil**			**Sampled: 06/19/06 08:45**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 08:37	
Surrogate(s): 4-BFB (FID)			*100%*		*50 - 150 %*	"			"	
BPF0650-08 (MW-9-20)		**Soil**			**Sampled: 06/19/06 09:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 09:07	
Surrogate(s): 4-BFB (FID)			*100%*		*50 - 150 %*	"			"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Gasoline Range Hydrocarbons by EPA 8015M

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-09 (MW-9-25)		**Soil**			**Sampled: 06/19/06 09:15**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 09:37	
Surrogate(s): 4-BFB (FID)			*95.8%*		*50 - 150 %*	"			"	
BPF0650-10 (MW-9-29.5)		**Soil**			**Sampled: 06/19/06 09:30**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 10:07	
Surrogate(s): 4-BFB (FID)			*97.1%*		*50 - 150 %*	"			"	
BPF0650-11 (MW-8-5)		**Soil**			**Sampled: 06/19/06 13:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 10:37	
Surrogate(s): 4-BFB (FID)			*94.6%*		*50 - 150 %*	"			"	
BPF0650-12 (MW-8-10)		**Soil**			**Sampled: 06/19/06 13:20**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 12:36	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BPF0650-13 (MW-8-15)		**Soil**			**Sampled: 06/19/06 13:40**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 13:06	
Surrogate(s): 4-BFB (FID)			*102%*		*50 - 150 %*	"			"	
BPF0650-14 (MW-8-20)		**Soil**			**Sampled: 06/19/06 13:50**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 13:36	
Surrogate(s): 4-BFB (FID)			*92.1%*		*50 - 150 %*	"			"	
BPF0650-15 (MW-8-25)		**Soil**			**Sampled: 06/19/06 14:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 14:05	
Surrogate(s): 4-BFB (FID)			*95.0%*		*50 - 150 %*	"			"	
BPF0650-16 (MW-8-29.5)		**Soil**			**Sampled: 06/19/06 14:15**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 14:35	
Surrogate(s): 4-BFB (FID)			*92.9%*		*50 - 150 %*	"			"	

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Cherie Howland

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Gasoline Range Hydrocarbons by EPA 8015M

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-17 (MW-7-5)		**Soil**			**Sampled: 06/20/06 08:45**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**4.57**	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 15:05	
Surrogate(s): 4-BFB (FID)			*102%*		*50 - 150 %*	"			"	
BPF0650-18 (MW-7-10)		**Soil**			**Sampled: 06/20/06 08:50**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**111**	-----	20.0	mg/kg wet	5x	6F27032	06/27/06 10:43	06/28/06 15:35	
Surrogate(s): 4-BFB (FID)			*157%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-19 (MW-7-15)		**Soil**			**Sampled: 06/20/06 09:00**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	**62.1**	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/29/06 06:28	
Surrogate(s): 4-BFB (FID)			*115%*		*50 - 150 %*	"			"	
BPF0650-20 (MW-7-20)		**Soil**			**Sampled: 06/20/06 09:15**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	4.00	mg/kg wet	1x	6F27032	06/27/06 10:43	06/28/06 17:24	
Surrogate(s): 4-BFB (FID)			*97.5%*		*50 - 150 %*	"			"	
BPF0650-21 (MW-7-25)		**Soil**			**Sampled: 06/20/06 09:30**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	3.97	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 11:57	
Surrogate(s): 4-BFB (FID)			*99.2%*		*50 - 150 %*	"			"	
BPF0650-22 (MW-7-29.5)		**Soil**			**Sampled: 06/20/06 09:45**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	-----	3.97	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 12:27	
Surrogate(s): 4-BFB (FID)			*103%*		*50 - 150 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-01 (MW-6-5)		**Soil**			**Sampled: 06/16/06 09:20**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 11:39	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*98.7%*		*75 - 125 %*	"			"	
4-BFB			*97.3%*		*75 - 125 %*	"			"	
BPF0650-02 (MW-6-10)		**Soil**			**Sampled: 06/16/06 09:30**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.40	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 12:05	
Benzene	"	**0.50**	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	4.0	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethylbenzene	"	**3.5**	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	**0.57**	-----	0.40	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	**0.41**	-----	0.08	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*75 - 125 %*	"			"	
Toluene-d8			*97.2%*		*75 - 125 %*	"			"	
4-BFB			*97.5%*		*75 - 125 %*	"			"	
BPF0650-02RE1 (MW-6-10)		**Soil**			**Sampled: 06/16/06 09:30**					
m,p-Xylene	EPA 8260B	**16**	-----	0.79	mg/kg wet	5x	6F27010	06/27/06 08:39	06/28/06 02:38	
Xylenes (total)	"	**17**	-----	1.2	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*97.4%*		*75 - 125 %*	*1x*			"	
Toluene-d8			*98.9%*		*75 - 125 %*	"			"	
4-BFB			*98.9%*		*75 - 125 %*	"			"	

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Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-03 (MW-6-15)		**Soil**			**Sampled: 06/16/06 09:40**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.39	mg/kg wet	1x	6F27010	06/27/06 08:39	06/28/06 01:45	
Benzene	"	**0.25**	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.9	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.39	"	"	"	"	"	
Ethylbenzene	"	**0.77**	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	**0.54**	-----	0.39	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	**0.08**	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	**2.8**	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	**2.9**	-----	0.23	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*99.4%*		*75 - 125 %*	"			"	
Toluene-d8			*95.8%*		*75 - 125 %*	"			"	
4-BFB			*93.2%*		*75 - 125 %*	"			"	
BPF0650-04 (MW-6-20)		**Soil**			**Sampled: 06/16/06 10:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 12:58	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*96.3%*		*75 - 125 %*	"			"	
4-BFB			*97.6%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-05 (MW-9-5)		**Soil**			**Sampled: 06/19/06 08:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.36	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 13:25	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.6	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.36	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	**0.14**	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	**0.83**	-----	0.14	"	"	"	"	"	
Xylenes (total)	"	**0.97**	-----	0.22	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*100%*		*75 - 125 %*	"			"	
Toluene-d8			*96.9%*		*75 - 125 %*	"			"	
4-BFB			*94.1%*		*75 - 125 %*	"			"	
BPF0650-06 (MW-9-10)		**Soil**			**Sampled: 06/19/06 08:20**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.40	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 13:52	
Benzene	"	**0.25**	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	4.0	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethylbenzene	"	**4.7**	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Toluene	"	**0.11**	-----	0.08	"	"	"	"	"	
o-Xylene	"	**4.0**	-----	0.08	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*107%*		*75 - 125 %*	"			"	
Toluene-d8			*98.1%*		*75 - 125 %*	"			"	
4-BFB			*99.1%*		*75 - 125 %*	"			"	
BPF0650-06RE1 (MW-9-10)		**Soil**			**Sampled: 06/19/06 08:20**					
m,p-Xylene	EPA 8260B	**16**	-----	0.79	mg/kg wet	5x	6F27010	06/27/06 08:39	06/28/06 03:04	
Xylenes (total)	"	**20**	-----	1.2	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*96.8%*		*75 - 125 %*	*1x*			"	
Toluene-d8			*96.8%*		*75 - 125 %*	"			"	
4-BFB			*96.8%*		*75 - 125 %*	"			"	

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Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-07 (MW-9-15)		**Soil**			**Sampled: 06/19/06 08:45**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.40	mg/kg wet	1x	6F27010	06/27/06 08:39	06/28/06 02:11	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	4.0	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.16	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.24	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*98.1%*		*75 - 125 %*	"			"	
4-BFB			*96.5%*		*75 - 125 %*	"			"	
BPF0650-08 (MW-9-20)		**Soil**			**Sampled: 06/19/06 09:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 14:45	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*97.0%*		*75 - 125 %*	"			"	
Toluene-d8			*94.4%*		*75 - 125 %*	"			"	
4-BFB			*92.8%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-09 (MW-9-25)		**Soil**			**Sampled: 06/19/06 09:15**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 15:12	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	**0.54**	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*100%*		*75 - 125 %*	"			"	
Toluene-d8			*95.1%*		*75 - 125 %*	"			"	
4-BFB			*95.1%*		*75 - 125 %*	"			"	
BPF0650-10 (MW-9-29.5)		**Soil**			**Sampled: 06/19/06 09:30**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 15:39	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*98.3%*		*75 - 125 %*	"			"	
4-BFB			*97.0%*		*75 - 125 %*	"			"	

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Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-11 (MW-8-5)		**Soil**			**Sampled: 06/19/06 13:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.40	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 16:05	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	4.0	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.40	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.16	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.24	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*103%*		*75 - 125 %*	"			"	
Toluene-d8			*98.7%*		*75 - 125 %*	"			"	
4-BFB			*96.2%*		*75 - 125 %*	"			"	
BPF0650-12 (MW-8-10)		**Soil**			**Sampled: 06/19/06 13:20**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 16:32	
Benzene	"	**0.15**	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*96.4%*		*75 - 125 %*	"			"	
4-BFB			*95.4%*		*75 - 125 %*	"			"	

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Cherie Howland

Cherie Howland, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-13 (MW-8-15)		**Soil**				**Sampled: 06/19/06 13:40**				
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 16:59	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*98.6%*		*75 - 125 %*	"			"	
4-BFB			*99.7%*		*75 - 125 %*	"			"	
BPF0650-14 (MW-8-20)		**Soil**				**Sampled: 06/19/06 13:50**				
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 17:26	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*97.4%*		*75 - 125 %*	"			"	
4-BFB			*97.4%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-15 (MW-8-25)		**Soil**			**Sampled: 06/19/06 14:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.36	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 17:52	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.6	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.36	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*105%*		*75 - 125 %*	"			"	
Toluene-d8			*100%*		*75 - 125 %*	"			"	
4-BFB			*95.5%*		*75 - 125 %*	"			"	
BPF0650-16 (MW-8-29.5)		**Soil**			**Sampled: 06/19/06 14:15**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 18:19	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*103%*		*75 - 125 %*	"			"	
Toluene-d8			*99.3%*		*75 - 125 %*	"			"	
4-BFB			*97.3%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-17 (MW-7-5)		**Soil**			**Sampled: 06/20/06 08:45**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 18:46	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	**0.46**	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*99.0%*		*75 - 125 %*	"			"	
Toluene-d8			*95.9%*		*75 - 125 %*	"			"	
4-BFB			*94.5%*		*75 - 125 %*	"			"	
BPF0650-18 (MW-7-10)		**Soil**			**Sampled: 06/20/06 08:50**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.36	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 19:12	
Benzene	"	**0.41**	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.6	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.36	"	"	"	"	"	
Ethylbenzene	"	**1.2**	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	**3.1**	-----	0.36	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	**1.6**	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	**2.9**	-----	0.14	"	"	"	"	"	
Xylenes (total)	"	**4.5**	-----	0.22	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*97.6%*		*75 - 125 %*	"			"	
Toluene-d8			*94.8%*		*75 - 125 %*	"			"	
4-BFB			*94.1%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-19 (MW-7-15)		**Soil**			**Sampled: 06/20/06 09:00**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27010	06/27/06 08:39	06/27/06 19:39	
Benzene	"	**1.4**	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Methyl tert-butyl ether	"	**1.5**	-----	0.38	"	"	"	"	"	
Toluene	"	**0.56**	-----	0.08	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*127%*			*75 - 125 %*	"			"	*S-04*
Toluene-d8		*101%*			*75 - 125 %*	"			"	
4-BFB		*99.7%*			*75 - 125 %*	"			"	
BPF0650-19RE1 (MW-7-15)		**Soil**			**Sampled: 06/20/06 09:00**					
Ethylbenzene	EPA 8260B	**16**	-----	1.5	mg/kg wet	20x	6F27010	06/27/06 08:39	06/28/06 12:57	
o-Xylene	"	**7.0**	-----	1.5	"	"	"	"	"	
m,p-Xylene	"	**36**	-----	3.0	"	"	"	"	"	
Xylenes (total)	"	**43**	-----	4.5	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*101%*			*75 - 125 %*	*1x*			"	
Toluene-d8		*97.5%*			*75 - 125 %*	"			"	
4-BFB		*98.7%*			*75 - 125 %*	"			"	
BPF0650-20 (MW-7-20)		**Soil**			**Sampled: 06/20/06 09:15**					
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.37	mg/kg wet	1x	6F27010	06/27/06 08:39	06/28/06 09:12	
Benzene	"	ND	-----	0.07	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.7	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.07	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.37	"	"	"	"	"	
Toluene	"	ND	-----	0.07	"	"	"	"	"	
o-Xylene	"	ND	-----	0.07	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.22	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*105%*			*75 - 125 %*	"			"	
Toluene-d8		*98.3%*			*75 - 125 %*	"			"	
4-BFB		*96.9%*			*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-21 (MW-7-25)		**Soil**				**Sampled: 06/20/06 09:30**				
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.38	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 00:52	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.8	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.38	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*97.0%*		*75 - 125 %*	"			"	
4-BFB			*93.7%*		*75 - 125 %*	"			"	
BPF0650-22 (MW-7-29.5)		**Soil**				**Sampled: 06/20/06 09:45**				
tert-Amyl Methyl Ether	EPA 8260B	ND	-----	0.39	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 01:18	
Benzene	"	ND	-----	0.08	"	"	"	"	"	
tert-Butyl Alcohol	"	ND	-----	3.9	"	"	"	"	"	
Diisopropyl ether	"	ND	-----	0.39	"	"	"	"	"	
Ethyl tert-butyl ether	"	ND	-----	0.39	"	"	"	"	"	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	0.39	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.16	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*97.1%*		*75 - 125 %*	"			"	
4-BFB			*95.5%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Gasoline Range Hydrocarbons by EPA 8015M - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27032 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27032-BLK1)								Extracted: 06/27/06 10:43						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	--	--	--	--	--	--	06/27/06 15:30	
Surrogate(s): 4-BFB (FID)		*Recovery: 116%*			*Limits: 50-150%*	"							*06/27/06 15:30*	
LCS (6F27032-BS1)								Extracted: 06/27/06 10:43						
Gasoline Range Hydrocarbons	EPA 8015 mod.	21.5	---	4.00	mg/kg wet	1x	--	22.0	97.7%	(75-125)	--	--	06/27/06 16:30	
Surrogate(s): 4-BFB (FID)		*Recovery: 120%*			*Limits: 50-150%*	"							*06/27/06 16:30*	
Duplicate (6F27032-DUP1)						QC Source: BPF0650-01		Extracted: 06/27/06 10:43						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	ND	--	--	--	86.8%	(40)	06/28/06 04:39	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 90.4%*			*Limits: 50-150%*	"							*06/28/06 04:39*	
Duplicate (6F27032-DUP2)						QC Source: BPF0650-16		Extracted: 06/27/06 10:43						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	ND	--	--	--	28.9%	(40)	06/28/06 05:08	
Surrogate(s): 4-BFB (FID)		*Recovery: 97.1%*			*Limits: 50-150%*	"							*06/28/06 05:08*	
Matrix Spike (6F27032-MS1)						QC Source: BPF0650-01		Extracted: 06/27/06 10:43						
Gasoline Range Hydrocarbons	EPA 8015 mod.	16.4	---	4.00	mg/kg wet	1x	0.329	22.0	73.0%	(42-125)	--	--	06/28/06 11:06	
Surrogate(s): 4-BFB (FID)		*Recovery: 66.2%*			*Limits: 50-150%*	"							*06/28/06 11:06*	

QC Batch: 6F27035 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27035-BLK1)								Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	--	--	--	--	--	--	06/27/06 18:31	
Surrogate(s): 4-BFB (FID)		*Recovery: 111%*			*Limits: 50-150%*	"							*06/27/06 18:31*	
LCS (6F27035-BS1)								Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	22.7	---	4.00	mg/kg wet	1x	--	22.0	103%	(75-125)	--	--	06/27/06 17:00	
Surrogate(s): 4-BFB (FID)		*Recovery: 119%*			*Limits: 50-150%*	"							*06/27/06 17:00*	
Duplicate (6F27035-DUP1)						QC Source: BPF0650-21		Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	3.97	mg/kg wet	1x	ND	--	--	--	9.71%	(40)	06/29/06 06:58	
Surrogate(s): 4-BFB (FID)		*Recovery: 101%*			*Limits: 50-150%*	"							*06/29/06 06:58*	

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Cherie Howland

Cherie Howland, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Gasoline Range Hydrocarbons by EPA 8015M - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27035 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6F27035-DUP2)					QC Source: BPF0650-25				Extracted: 06/27/06 10:47					
Gasoline Range Hydrocarbons	EPA 8015 mod	ND	---	4.00	mg/kg wet	1x		--	--	--		(40)	06/29/06 07:28	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 98.7%*			*Limits: 50-150%*	"							*06/29/06 07:28*	
Matrix Spike (6F27035-MS1)					QC Source: BPF0650-21				Extracted: 06/27/06 10:47					
Gasoline Range Hydrocarbons	EPA 8015 mod.	17.6	---	4.03	mg/kg wet	1x	0.853	22.2	75.4%	(42-125)	--	--	06/29/06 07:58	
Surrogate(s): 4-BFB (FID)		*Recovery: 100%*			*Limits: 50-150%*	"							*06/29/06 07:58*	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 6F27010 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27010-BLK1)									Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/27/06 11:12	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 111%*			*Limits: 75-125%*	"							*06/27/06 11:12*	
Toluene-d8		*105%*			*75-125%*	"							"	
4-BFB		*104%*			*75-125%*	"							"	
Blank (6F27010-BLK2)									Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/27/06 23:58	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 113%*			*Limits: 75-125%*	"							*06/27/06 23:58*	
Toluene-d8		*106%*			*75-125%*	"							"	
4-BFB		*103%*			*75-125%*	"							"	

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Cherie Howland

Cherie Howland, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27010 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27010-BLK3)													Extracted: 06/27/06 08:39	
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/28/06 11:51	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 112%*			*Limits: 75-125%*	"							*06/28/06 11:51*	
Toluene-d8		*105%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	
LCS (6F27010-BS1)													Extracted: 06/27/06 08:39	
tert-Amyl Methyl Ether	EPA 8260B	1.7	---	0.50	mg/kg wet	1x	--	2.00	85.0%	(70-130)	--	--	06/27/06 09:18	
Benzene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"	
tert-Butyl Alcohol	"	9.1	---	5.0	"	"	--	10.0	91.0%	(70-130)	--	--	"	
1,2-Dibromoethane (EDB)	"	2.0	---	0.05	"	"	--	2.00	100%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	1.9	---	0.05	"	"	--	"	95.0%	"	--	--	"	
Diisopropyl ether	"	1.6	---	0.50	"	"	--	"	80.0%	"	--	--	"	
Ethyl tert-butyl ether	"	1.6	---	0.50	"	"	--	"	80.0%	"	--	--	"	
Ethanol	"	99	---	20	"	"	--	100	99.0%	"	--	--	"	
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	1.7	---	0.50	"	"	--	"	85.0%	(71-127)	--	--	"	
Toluene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	--	--	"	
m,p-Xylene	"	4.3	---	0.20	"	"	--	4.00	108%	"	--	--	"	
Xylenes (total)	"	6.2	---	0.30	"	"	--	6.00	103%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 91.5%*			*Limits: 75-125%*	"							*06/27/06 09:18*	
Toluene-d8		*95.0%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	

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Cherie Howland

Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27010 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (6F27010-MS1)					QC Source: BPF0650-02			Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	1.4	---	0.38	mg/kg wet	1x	ND	1.51	92.7%	(60-140)	--	--	06/27/06 09:52	
Benzene	"	1.8	---	0.08	"	"	0.50	"	86.1%	(75-131)	--	--	"	
tert-Butyl Alcohol	"	7.7	---	3.8	"	"	1.4	7.56	83.3%	(60-140)	--	--	"	
1,2-Dibromoethane (EDB)	"	1.4	---	0.04	"	"	ND	1.51	92.7%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	1.5	---	0.04	"	"	ND	"	99.3%	"	--	--	"	
Diisopropyl ether	"	1.3	---	0.38	"	"	ND	"	86.1%	"	--	--	"	
Ethyl tert-butyl ether	"	1.3	---	0.38	"	"	ND	"	86.1%	"	--	--	"	
Ethanol	"	64	---	15	"	"	ND	75.6	84.7%	"	--	--	"	
Ethylbenzene	"	3.4	---	0.08	"	"	3.5	1.51	-6.62%	"	--	--	"	Q-03
Methyl tert-butyl ether	"	1.7	---	0.38	"	"	0.57	"	74.8%	(71-130)	--	--	"	
Toluene	"	1.4	---	0.08	"	"	0.02	"	91.4%	(75-125)	--	--	"	
o-Xylene	"	1.6	---	0.08	"	"	0.41	"	78.8%	(60-140)	--	--	"	
m,p-Xylene	"	ND	---	0.15	"	"	ND	3.03	NR	"	--	--	"	Q-03
Xylenes (total)	"	0.12	---	0.23	"	"	ND	4.54	2.64%	"	--	--	"	Q-03, Q-07
Surrogate(s): 1,2-DCA-d4		*Recovery: 102%*			*Limits: 75-125%*	"							*06/27/06 09:52*	
Toluene-d8		*95.7%*			*75-125%*	"							"	
4-BFB		*98.7%*			*75-125%*	"							"	
Matrix Spike Dup (6F27010-MSD1)					QC Source: BPF0650-02			Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	1.4	---	0.39	mg/kg wet	1x	ND	1.56	89.7%	(60-140)	0.00%	(40)	06/27/06 10:18	
Benzene	"	2.0	---	0.08	"	"	0.50	"	96.2%	(75-131)	10.5%	(25)	"	
tert-Butyl Alcohol	"	8.6	---	3.9	"	"	1.4	7.81	92.2%	(60-140)	11.0%	(50)	"	
1,2-Dibromoethane (EDB)	"	1.5	---	0.04	"	"	ND	1.56	96.2%	"	6.90%	(40)	"	
1,2-Dichloroethane (EDC)	"	1.5	---	0.04	"	"	ND	"	96.2%	"	0.00%	"	"	
Diisopropyl ether	"	1.4	---	0.39	"	"	ND	"	89.7%	"	7.41%	(50)	"	
Ethyl tert-butyl ether	"	1.4	---	0.39	"	"	ND	"	89.7%	"	7.41%	"	"	
Ethanol	"	64	---	16	"	"	ND	78.1	81.9%	"	0.00%	"	"	
Ethylbenzene	"	ND	---	0.08	"	"	3.5	1.56	-224%	"	--	(25)	"	Q-03
Methyl tert-butyl ether	"	1.8	---	0.39	"	"	0.57	"	78.8%	(71-130)	5.71%	"	"	
Toluene	"	1.5	---	0.08	"	"	0.02	"	94.9%	(75-125)	6.90%	"	"	
o-Xylene	"	1.9	---	0.08	"	"	0.41	"	95.5%	(60-140)	17.1%	"	"	
m,p-Xylene	"	ND	---	0.16	"	"	ND	3.12	NR	"	--	"	"	Q-03
Xylenes (total)	"	0.37	---	0.23	"	"	ND	4.69	7.89%	"	102%	"	"	Q-03, Q-07
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.4%*			*Limits: 75-125%*	"							*06/27/06 10:18*	
Toluene-d8		*92.9%*			*75-125%*	"							"	
4-BFB		*94.9%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27011-BLK1)								Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/28/06 00:25	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 111%*			*Limits: 75-125%*	"							*06/28/06 00:25*	
Toluene-d8		*103%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	
Blank (6F27011-BLK2)								Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/28/06 12:31	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 114%*			*Limits: 75-125%*	"							*06/28/06 12:31*	
Toluene-d8		*106%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6F27011-BS1)									Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	2.0	---	0.50	mg/kg wet	1x	--	2.00	100%	(70-130)	--	--	06/27/06 22:12	
Benzene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"	
tert-Butyl Alcohol	"	11	---	5.0	"	"	--	10.0	110%	(70-130)	--	--	"	
1,2-Dibromoethane (EDB)	"	2.0	---	0.05	"	"	--	2.00	100%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	2.0	---	0.05	"	"	--	"	100%	"	--	--	"	
Diisopropyl ether	"	2.1	---	0.50	"	"	--	"	105%	"	--	--	"	
Ethyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	--	--	"	
Ethanol	"	110	---	20	"	"	--	100	110%	"	--	--	"	
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	(71-127)	--	--	"	
Toluene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	--	--	"	
m,p-Xylene	"	4.1	---	0.20	"	"	--	4.00	102%	"	--	--	"	
Xylenes (total)	"	6.0	---	0.30	"	"	--	6.00	100%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 95.0%*			*Limits: 75-125%*	"							*06/27/06 22:12*	
Toluene-d8		*97.0%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	
Matrix Spike (6F27011-MS1)					QC Source: BPF0650-22				Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	1.4	---	0.36	mg/kg wet	1x	ND	1.46	95.9%	(60-140)	--	--	06/27/06 22:39	
Benzene	"	1.5	---	0.07	"	"	ND	"	103%	(75-131)	--	--	"	
tert-Butyl Alcohol	"	7.8	---	3.6	"	"	ND	7.30	107%	(60-140)	--	--	"	
1,2-Dibromoethane (EDB)	"	1.4	---	0.04	"	"	ND	1.46	95.9%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	1.4	---	0.04	"	"	ND	"	95.9%	"	--	--	"	
Diisopropyl ether	"	1.5	---	0.36	"	"	ND	"	103%	"	--	--	"	
Ethyl tert-butyl ether	"	1.4	---	0.36	"	"	ND	"	95.9%	"	--	--	"	
Ethanol	"	65	---	15	"	"	ND	73.0	89.0%	"	--	--	"	
Ethylbenzene	"	1.4	---	0.07	"	"	ND	1.46	95.9%	"	--	--	"	
Methyl tert-butyl ether	"	1.4	---	0.36	"	"	ND	"	95.9%	(71-130)	--	--	"	
Toluene	"	1.4	---	0.07	"	"	ND	"	95.9%	(75-125)	--	--	"	
o-Xylene	"	1.4	---	0.07	"	"	ND	"	95.9%	(60-140)	--	--	"	
m,p-Xylene	"	3.1	---	0.15	"	"	ND	2.92	106%	"	--	--	"	
Xylenes (total)	"	4.5	---	0.22	"	"	ND	4.38	103%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.5%*			*Limits: 75-125%*	"							*06/27/06 22:39*	
Toluene-d8		*91.8%*			*75-125%*	"							"	
4-BFB		*90.8%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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TestAmerica
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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6F27011-MSD1)					QC Source: BPF0650-22				Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	1.5	---	0.39	mg/kg wet	1x	ND	1.58	94.9%	(60-140)	6.90%	(40)	06/27/06 23:05	
Benzene	"	1.6	---	0.08	"	"	ND	"	101%	(75-131)	6.45%	(25)	"	
tert-Butyl Alcohol	"	8.5	---	3.9	"	"	ND	7.89	108%	(60-140)	8.59%	(50)	"	
1,2-Dibromoethane (EDB)	"	1.5	---	0.04	"	"	ND	1.58	94.9%	"	6.90%	(40)	"	
1,2-Dichloroethane (EDC)	"	1.6	---	0.04	"	"	ND	"	101%	"	13.3%	"	"	
Diisopropyl ether	"	1.6	---	0.39	"	"	ND	"	101%	"	6.45%	(50)	"	
Ethyl tert-butyl ether	"	1.5	---	0.39	"	"	ND	"	94.9%	"	6.90%	"	"	
Ethanol	"	74	---	16	"	"	ND	78.9	93.8%	"	12.9%	"	"	
Ethylbenzene	"	1.5	---	0.08	"	"	ND	1.58	94.9%	"	6.90%	(25)	"	
Methyl tert-butyl ether	"	1.5	---	0.39	"	"	ND	"	94.9%	(71-130)	6.90%	"	"	
Toluene	"	1.6	---	0.08	"	"	ND	"	101%	(75-125)	13.3%	"	"	
o-Xylene	"	1.5	---	0.08	"	"	ND	"	94.9%	(60-140)	6.90%	"	"	
m,p-Xylene	"	3.3	---	0.16	"	"	ND	3.15	105%	"	6.25%	"	"	
Xylenes (total)	"	4.8	---	0.24	"	"	ND	4.73	101%	"	6.45%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.9%*			*Limits: 75-125%*	"							*06/27/06 23:05*	
Toluene-d8		*94.3%*			*75-125%*	"							"	
4-BFB		*91.4%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 17:01

Notes and Definitions

Report Specific Notes:

A-01	-	The sample was received unpreserved in a core.
Q-03	-	The percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
Q-07	-	The RPD value for this QC sample is above the established control limit. Review of associated QC indicates the high RPD does not represent an out-of-control condition for the batch.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
S-04	-	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Cherie Howland

Cherie Howland, Project Manager

SHELL Chain Of Custody Record

BPF0650

TA -:
- [ ] TA - Morgan Hill, California
- [x] TA - Sacramento, California
- [ ] TA - Nashville, Tennessee
- [ ] Calscience
- [x] Other

NAME OF PERSON TO BILL: Denis Brown

- [x] ENVIRONMENTAL SERVICES
- [ ] NETWORK DEV / RE
- [ ] BILL CONSULTANT
- [ ] COMPLIANCE
- [ ] MRT/CRMT

[x] CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (BS ONLY): 9 8 9 9 5 7 5 8

PO #:

SAP or CRMT #: 1 3 5 7 0 1

DATE: 6/16/6

PAGE: 1 of 4

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETO	SITE ADDRESS: Street and City: 1255 Lincoln Blvd, Oakley, CA	State: CA
GLOBAL ID NO.: T0600101261			
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, Cambria, Emeryville	PHONE NO.: 510-420-3343	E-MAIL: shell.em.edf@cambria-env.com
CONSULTANT PROJECT NO.: 248-0524 2004-006			
PROJECT CONTACT (Hardcopy or PDF Report to): Stewart Dalie	SAMPLER NAME(S) (Print): Stu	LABCODE ONLY	
TELEPHONE: 5810-420-3339	FAX: (510) 420-9170	E-MAIL: sdalie@cambria-env.com	

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): [ ] STD [ ] 5 DAY [ ] 3 DAY [ ] 2 DAY [ ] 24 HOURS [ ] RESULTS NEEDED ON WEEKEND

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Results by 6/29/6 Analyzed by

- [ ] EDD NOT NEEDED
- [x] SHELL CONTRACT RATE APPLIES
- [ ] STATE REIMB RATE APPLIES
- [x] RECEIPT VERIFICATION REQUESTED

CC lab reports to sdalie@cambria-env.com & dbibbs@cambria-env.com

No partial lab reports, send final PDF report only. TAT

REQUESTED ANALYSIS

	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)		TEMPERATURE ON RECEIPT C°
01	MW-6-5	6/16/6	0920	Soil	1	X		X	X																
02	MW-6-10		0930		1																				
03	MW-6-15		0940		1																				
04	MW-6-20		1000		1																				
05	[illegible]																								

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

Grab pt ID = MW-6

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
			6/21/6	8 am
			6/21/06	1215
			6/21/06	1705

JMH 06.22.06 – Rec'd in Seattle by Franny Tom 6/24/06 10:50 3.4

05/02/06 Revision

Q&Q Graphic (714) 998-9702

SHELL Chain Of Custody Record

BPF0652

☐ [illegible], California
☑ Sacramento, California
☐ TA Nashville, Tennessee
☐ Calscience
☑ Other _____

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV./ FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☑ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

9 8 9 9 5 7 5 8

1 3 5 7 0 1

DATE: 6/19/6

PAGE: 2 of 4

SAMPLING COMPANY: Cambria Environmental Technology, Inc.

LOG CODE: CETO

SITE ADDRESS: Structural City 4235 Broadway Blvd, Oak, CA

State: CA

GLOBAL ID NO.: T0600101261

ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, Cambria, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@cambria-env.com

CONSULTANT PROJECT NO.: 207-0524-006

PROJECT CONTACT (Hardcopy or PDF Report to): Stewart Dalie

TELEPHONE: 5810-420-3339

FAX: (510) 420-9170

E-MAIL: sdalie@cambria-env.com

SAMPLER NAME(S) (Print): Stu

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to sdalie@cambria-env,.com & dbibbs@cambria-env.com

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
MW-9-5	6/19/6	8	Soil	1	X		X	X																
MW-9-10		820		1																				
MW-9-15		845		1																				
MW-9-20		9		1																				
MW-9-25		915		1																				
MW-9-29.5		930		1																				

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

Fuel & BTEX & MTBE

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/21/16	8 am
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/21/06	1215
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
TWE # 06-22-06	6/24/06 16:50	6/24/06	1705

Q&Q Graphic (714) 898-9762

05/02/06 Revision

SHELL Chain Of Custody Record

BPF065C

☐ TA
☐ TA - Morgan Hill, California
☑ TA - Sacramento, California
☐ TA - Nashville, Tennesee
☐ Calscience
☑ Other_____

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☑ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

9 8 9 9 5 7 5 8

1 3 5 7 0 1

DATE: 6/19/6

PAGE: 3 of 4

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETO	SITE ADDRESS: Street and City 4255 McArthur Blvd, Oak	State: CA
GLOBAL ID NO.: T0600101261			
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, Cambria, Emeryville	PHONE NO.: 510-420-3343	E-MAIL: shell.em.edf@cambria-env.com
CONSULTANT PROJECT NO.: 245-0524-006			
PROJECT CONTACT (Hardcopy or PDF Report to): Stewart Delie	SAMPLER NAME(S) (Print): Stu		
TELEPHONE: 5810-420-3339	FAX: (510) 420-9170	E-MAIL: sdalie@cambria-env.com	

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to sdalie@cambria-env,.com & dbibbs@cambria-env.com

No partial lab reports, send final PDF report only [redacted]

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH-g Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFTS ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
MW-8-5	6/19/6	1	Soil	1	X		X	X																
MW-8-10		120		1																				
MW-8-15		140		1																				
MW-8-20		150		1																				
MW-8-25		200		1																				
MW-8-29.5		205		1																				

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

= four pt ID = MW-8

Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/6	Time: 8 am
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/06	Time: 1215
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/06	Time: 1705

MIE-11 06.22.06

6/24/06 10:50

05/02/06 Revision

Q&Q Graphic (714) 986-6702

BPF0650

LAB: KIFF

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☑ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV./FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☑ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT #: 98955758

AUTHORIZATION: 135701

DATE: 6/20/6

PAGE: 4 of 4

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETO
SITE ADDRESS: Street and City: 4655 Mowry Blvd Oakland CA	State: CA
GLOBAL ID NO.: T0600101261	
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, Cambria, Emeryville	PHONE NO.: 510-420-3343
E-MAIL: shell.em.edf@cambria-env.com	CONSULTANT PROJECT NO.: 248 207-0524-006
PROJECT CONTACT (Hardcopy or PDF Report to): Stewart Dalie	
TELEPHONE: 5810-420-3339	FAX: (510) 420-9170
E-MAIL: sdalie@cambria-env.com	
SAMPLER NAME(S) (Print): Stu	

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to sdalie@cambria-env,.com & dbibbs@cambria-env.com

No partial lab reports, send final PDF report only ~~72 Hr TAT~~

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
MW-7-5	6/20/6	845	Soil	1	X		X	X																
MW-7-10		850		1																				
MW-7-15		9		1																				
MW-7-20		915		1																				
MW-7-25		920		1																				
MW-7-29.5		945		1																				

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

ID = MW-7

Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/6	Time: 8 am
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/06	Time: 7215
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/21/06	Time: 1705

Julie H 06.22.06

6/24/06 - 10:50

05/02/06 Revision

Q&Q Graphic (714) 898-9702

ATTACHMENT E

Stockpile Disposal Confirmation and Laboratory Report

Hazardous Waste Hauler (Registration # 2843)
P.O. Box 292547 * Sacramento, CA 95829 * FAX 916-381-1573

Disposal Confirmation

Request for Transportation Received: 08/24/2006

Consultant Information

Company:	Cambria
Contact:	Stewart Dalle
Phone:	510-420-3339
Fax:	510-420-9170

Site Information

PO #	
Street Address:	4255 Mac Arthur
City, State, ZIP:	Oakland, CA
Customer:	Shell Oil Company RESA-0023-LDC
RIPR #:	54094
SAP # / Location:	NA
Incident #:	98995758
Location / WIC #:	NA
Environmental Engineer:	Denis Brown
Material Description:	Soil cuttings
Estimated Quantity:	3-5 cy
Service Requested Date:	ASAP
Disposal Facility:	Forward Landfill
Contact:	Scott
Phone:	800 204-4242
Approval #:	6562
Date of Disposal:	08/25/2006
Actual Tonnage	6.21 tons
Transporter:	Manley & Sons Trucking, Inc.
Contact:	Jennifer Rogers
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	200608-16
Date of Invoice:	08/30/2006

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

August 10, 2006

Stewart Dalie
Cambria Environmental Technology-Emeryville
5900 Hollis Street, Suite A
Emeryville, CA 94608

RE: Shell #135701

Enclosed are the results of analyses for samples received by the laboratory on 06/24/06 10:58. The following list is a summary of the Work Orders contained in this report, generated on 08/10/06 15:35.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPF0650	Shell #135701	[none]

Cherie Howland

Cherie Howland, Project Manager

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BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1A	BPF0650-23	Soil	06/20/06 15:30	06/24/06 10:58
SP-1B	BPF0650-24	Soil	06/20/06 15:30	06/24/06 10:58
SP-1C	BPF0650-25	Soil	06/20/06 15:30	06/24/06 10:58
SP-1D	BPF0650-26	Soil	06/20/06 15:30	06/24/06 10:58
CARB-1A	BPF0650-27	Soil	06/20/06 16:00	06/24/06 10:58
CARB-1B	BPF0650-28	Soil	06/20/06 16:00	06/24/06 10:58
CARB Composite	BPF0650-29	Soil	06/20/06 12:00	06/24/06 10:58

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Cherie Howland

Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Gasoline Range Hydrocarbons by EPA 8015M

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-23 (SP-1A)		**Soil**			**Sampled: 06/20/06 15:30**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	----	3.97	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 12:56	
Surrogate(s): 4-BFB (FID)			*99.2%*		*50 - 150 %*	"			"	
BPF0650-24 (SP-1B)		**Soil**			**Sampled: 06/20/06 15:30**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	**401**	-----	39.7	mg/kg wet	10x	6F27035	06/27/06 10:47	06/29/06 20:44	
Surrogate(s): 4-BFB (FID)			*284%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-25 (SP-1C)		**Soil**			**Sampled: 06/20/06 15:30**					**A-01**
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	----	4.00	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 17:51	
Surrogate(s): 4-BFB (FID)			*97.9%*		*50 - 150 %*	"			"	
BPF0650-26 (SP-1D)		**Soil**			**Sampled: 06/20/06 15:30**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	----	3.97	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 14:26	
Surrogate(s): 4-BFB (FID)			*98.7%*		*50 - 150 %*	"			"	
BPF0650-27 (CARB-1A)		**Soil**			**Sampled: 06/20/06 16:00**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	**27.9**	-----	5.00	mg/kg wet	1x	6F27035	06/27/06 10:47	06/29/06 19:44	**G-02**
Surrogate(s): 4-BFB (FID)			*2.74%*		*50 - 150 %*	"			"	*SR-4*
BPF0650-28 (CARB-1B)		**Soil**			**Sampled: 06/20/06 16:00**					
Gasoline Range Hydrocarbons	EPA 8015 mod.	**6440**	-----	500	mg/kg wet	100x	6F27035	06/27/06 10:47	06/29/06 22:07	
Surrogate(s): 4-BFB (FID)			*2230%*		*50 - 150 %*	"			"	*SR-4*

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Cherie Howland

Cherie Howland, Project Manager

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Diesel Hydrocarbons (C10-C28) and Heavy Oil (C28-C40) by EPA Method 8015 (modified)

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-23 (SP-1A)		**Soil**			**Sampled: 06/20/06 15:30**					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	-----	9.84	mg/kg wet	1x	6F29068	06/29/06 14:04	06/30/06 20:24	
Heavy Oil Range Hydrocarbons	"	ND	-----	24.6	"	"	"	"	"	
Surrogate(s): 2-FBP			*91.7%*		*50 - 150 %*	"			"	
Octacosane			*98.0%*		*50 - 150 %*	"			"	
BPF0650-24 (SP-1B)		**Soil**			**Sampled: 06/20/06 15:30**					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	-----	9.93	mg/kg wet	1x	6F29068	06/29/06 14:04	06/30/06 20:53	
Heavy Oil Range Hydrocarbons	"	ND	-----	24.8	"	"	"	"	"	
Surrogate(s): 2-FBP			*95.9%*		*50 - 150 %*	"			"	
Octacosane			*104%*		*50 - 150 %*	"			"	
BPF0650-25 (SP-1C)		**Soil**			**Sampled: 06/20/06 15:30**					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	-----	10.0	mg/kg wet	1x	6F29068	06/29/06 14:04	06/30/06 21:23	
Heavy Oil Range Hydrocarbons	"	ND	-----	25.1	"	"	"	"	"	
Surrogate(s): 2-FBP			*105%*		*50 - 150 %*	"			"	
Octacosane			*103%*		*50 - 150 %*	"			"	
BPF0650-26 (SP-1D)		**Soil**			**Sampled: 06/20/06 15:30**					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	-----	9.84	mg/kg wet	1x	6F29068	06/29/06 14:04	06/30/06 18:55	
Heavy Oil Range Hydrocarbons	"	ND	-----	24.6	"	"	"	"	"	
Surrogate(s): 2-FBP			*104%*		*50 - 150 %*	"			"	
Octacosane			*106%*		*50 - 150 %*	"			"	
BPF0650-29 (CARB Composite)		**Soil**			**Sampled: 06/20/06 12:00**					
Diesel Range Hydrocarbons	EPA 8015 mod.	**4580**	-----	198	mg/kg wet	20x	6F29068	06/29/06 14:04	06/30/06 21:52	**D-08**
Heavy Oil Range Hydrocarbons	"	ND	-----	495	"	"	"	"	"	
Surrogate(s): 2-FBP			*106%*		*50 - 150 %*	"			"	
Octacosane			*NR*		*50 - 150 %*	"			"	*SR-5*

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Cherie Howland

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-23 (SP-1A)	**Soil**				**Sampled: 06/20/06 15:30**					
Lead	EPA 6020	3.73	-----	0.472	mg/kg wet	1x	6F29056	06/29/06 14:29	07/03/06 19:26	B
BPF0650-24 (SP-1B)	**Soil**				**Sampled: 06/20/06 15:30**					
Lead	EPA 6020	3.98	-----	0.450	mg/kg wet	1x	6F29056	06/29/06 14:29	07/03/06 19:32	B
BPF0650-25 (SP-1C)	**Soil**				**Sampled: 06/20/06 15:30**					
Lead	EPA 6020	2.90	-----	0.500	mg/kg wet	1x	6F29056	06/29/06 14:29	07/03/06 19:49	B
BPF0650-26 (SP-1D)	**Soil**				**Sampled: 06/20/06 15:30**					
Lead	EPA 6020	4.32	-----	0.510	mg/kg wet	1x	6F29056	06/29/06 14:29	07/03/06 19:54	B
BPF0650-29 (CARB Composite)	**Soil**				**Sampled: 06/20/06 12:00**					
Lead	EPA 6020	4.05	-----	0.510	mg/kg wet	1x	6F29056	06/29/06 14:29	07/03/06 20:00	B

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**
5900 Hollis Street, Suite A	Project Number:	[none]
Emeryville, CA 94608	Project Manager:	Stewart Dalie

Report Created: 08/10/06 15:35

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

TestAmerica - Seattle, WA

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-29	**(CARB Composite)**		**Soil**			**Sampled: 06/20/06 12:00**					
Benzene		EPA 8260B	ND	----	0.0800	mg/l	1x	6G10056	07/03/06 11:39	07/07/06 16:46	
Surrogate(s):	*1,2-DCA-d4*			*94.0%*		*67 - 135 %*	"			"	
	Toluene-d8			*98.9%*		*70 - 130 %*	"			"	
	4-BFB			*99.1%*		*70 - 130 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-23 (SP-1A)		**Soil**			**Sampled: 06/20/06 15:30**					
Benzene	EPA 8260B	ND	-----	0.08	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 03:57	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.16	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.24	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*98.7%*		*75 - 125 %*	"			"	
Toluene-d8			*96.5%*		*75 - 125 %*	"			"	
4-BFB			*93.9%*		*75 - 125 %*	"			"	
BPF0650-24 (SP-1B)		**Soil**			**Sampled: 06/20/06 15:30**					
Benzene	EPA 8260B	**0.12**	-----	0.08	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 04:24	
Ethylbenzene	"	**0.57**	-----	0.08	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	**0.49**	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	**1.5**	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	**2.0**	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*96.7%*		*75 - 125 %*	"			"	
4-BFB			*95.1%*		*75 - 125 %*	"			"	
BPF0650-25 (SP-1C)		**Soil**			**Sampled: 06/20/06 15:30**					
Benzene	EPA 8260B	ND	-----	0.08	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 04:51	
Ethylbenzene	"	**1.3**	-----	0.08	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	**1.2**	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	**3.7**	-----	0.16	"	"	"	"	"	
Xylenes (total)	"	**4.9**	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*90.1%*		*75 - 125 %*	"			"	
4-BFB			*91.4%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Oxygenates by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPF0650-26 (SP-1D)		**Soil**			**Sampled: 06/20/06 15:30**					
Benzene	EPA 8260B	ND	-----	0.08	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 05:17	
Ethylbenzene	"	ND	-----	0.08	"	"	"	"	"	
Toluene	"	ND	-----	0.08	"	"	"	"	"	
o-Xylene	"	ND	-----	0.08	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.15	"	"	"	"	"	
Xylenes (total)	"	ND	-----	0.23	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*102%*		*75 - 125 %*	"			"	
Toluene-d8			*97.7%*		*75 - 125 %*	"			"	
4-BFB			*95.5%*		*75 - 125 %*	"			"	
BPF0650-27RE1 (CARB-1A)		**Soil**			**Sampled: 06/20/06 16:00**					
Benzene	EPA 8260B	ND	-----	0.45	mg/kg wet	1x	6F27011	06/27/06 08:39	06/28/06 05:44	
Ethylbenzene	"	ND	-----	0.45	"	"	"	"	"	
Toluene	"	ND	-----	0.45	"	"	"	"	"	
o-Xylene	"	ND	-----	0.45	"	"	"	"	"	
m,p-Xylene	"	ND	-----	0.90	"	"	"	"	"	
Xylenes (total)	"	ND	-----	1.4	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*91.7%*		*75 - 125 %*	"			"	
Toluene-d8			*51.9%*		*75 - 125 %*	"			"	*S-04*
4-BFB			*50.6%*		*75 - 125 %*	"			"	*S-04*
BPF0650-28RE1 (CARB-1B)		**Soil**			**Sampled: 06/20/06 16:00**					
Benzene	EPA 8260B	**100**	-----	18	mg/kg wet	40x	6F27011	06/27/06 08:39	06/28/06 15:02	
Ethylbenzene	"	**130**	-----	18	"	"	"	"	"	
Toluene	"	**130**	-----	18	"	"	"	"	"	
o-Xylene	"	**63**	-----	18	"	"	"	"	"	
m,p-Xylene	"	**260**	-----	36	"	"	"	"	"	
Xylenes (total)	"	**320**	-----	55	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*96.8%*		*75 - 125 %*	*1x*			"	
Toluene-d8			*93.5%*		*75 - 125 %*	"			"	
4-BFB			*97.0%*		*75 - 125 %*	"			"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Gasoline Range Hydrocarbons by EPA 8015M - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27035 **Soil Preparation Method: EPA 5030B (MeOH)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27035-BLK1)								Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	--	--	--	--	--	--	06/27/06 18:31	
Surrogate(s): 4-BFB (FID)		*Recovery: 111%*			*Limits: 50-150%*	"							*06/27/06 18:31*	
LCS (6F27035-BS1)								Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	22.7	---	4.00	mg/kg wet	1x	--	22.0	103%	(75-125)	--	--	06/27/06 17:00	
Surrogate(s): 4-BFB (FID)		*Recovery: 119%*			*Limits: 50-150%*	"							*06/27/06 17:00*	
Duplicate (6F27035-DUP1)					QC Source: BPF0650-21			Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	3.97	mg/kg wet	1x		--	--	--		(40)	06/29/06 06:58	
Surrogate(s): 4-BFB (FID)		*Recovery: 101%*			*Limits: 50-150%*	"							*06/29/06 06:58*	
Duplicate (6F27035-DUP2)					QC Source: BPF0650-25			Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	ND	---	4.00	mg/kg wet	1x	ND	--	--	--	75.0%	(40)	06/29/06 07:28	RP-4
Surrogate(s): 4-BFB (FID)		*Recovery: 98.7%*			*Limits: 50-150%*	"							*06/29/06 07:28*	
Matrix Spike (6F27035-MS1)					QC Source: BPF0650-21			Extracted: 06/27/06 10:47						
Gasoline Range Hydrocarbons	EPA 8015 mod.	17.6	---	4.03	mg/kg wet	1x		22.2	79.3%	(42-125)	--	--	06/29/06 07:58	
Surrogate(s): 4-BFB (FID)		*Recovery: 100%*			*Limits: 50-150%*	"							*06/29/06 07:58*	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Diesel Hydrocarbons (C10-C28) and Heavy Oil (C28-C40) by EPA Method 8015 (modified) - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F29068 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F29068-BLK1)									Extracted: 06/29/06 14:04					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	---	10.0	mg/kg wet	1x	--	--	--	--	--	--	06/30/06 03:55	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 95.0%*			*Limits: 50-150%*	"							*06/30/06 03:55*	
Octacosane		*105%*			*50-150%*	"							"	
LCS (6F29068-BS1)									Extracted: 06/29/06 14:04					
Diesel Range Hydrocarbons	EPA 8015 mod.	59.8	---	10.0	mg/kg wet	1x	--	66.7	89.7%	(71-120)	--	--	06/30/06 04:24	
Surrogate(s): 2-FBP		*Recovery: 95.8%*			*Limits: 50-150%*	"							*06/30/06 04:24*	
Octacosane		*97.8%*			*50-150%*	"							"	
Duplicate (6F29068-DUP1)					QC Source: BPF0650-26				Extracted: 06/29/06 14:04					
Diesel Range Hydrocarbons	EPA 8015 mod.	ND	---	10.0	mg/kg wet	1x	ND	--	--	--	NR	(40)	06/30/06 17:56	
Heavy Oil Range Hydrocarbons	"	ND	---	25.0	"	"	ND	--	--	--	NR	"	"	
Surrogate(s): 2-FBP		*Recovery: 99.0%*			*Limits: 50-150%*	"							*06/30/06 17:56*	
Octacosane		*102%*			*50-150%*	"							"	
Matrix Spike (6F29068-MS1)					QC Source: BPF0650-26				Extracted: 06/29/06 14:04					
Diesel Range Hydrocarbons	EPA 8015 mod.	61.5	---	9.90	mg/kg wet	1x	ND	66.0	93.2%	(45-144)	--	--	06/30/06 18:26	
Surrogate(s): 2-FBP		*Recovery: 104%*			*Limits: 50-150%*	"							*06/30/06 18:26*	
Octacosane		*101%*			*50-150%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F29056 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F29056-BLK1)								Extracted: 06/29/06 14:29						
Lead	EPA 6020	0.615	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	07/03/06 17:32	
LCS (6F29056-BS1)								Extracted: 06/29/06 14:29						
Lead	EPA 6020	39.6	---	0.500	mg/kg wet	1x	--	40.0	99.0%	(80-120)	--	--	07/03/06 17:37	
Duplicate (6F29056-DUP1)					QC Source: BPF0650-12			Extracted: 06/29/06 14:29						
Lead	EPA 6020	3.44	---	0.500	mg/kg wet	1x		--	--	--		(30)	07/03/06 17:54	
Matrix Spike (6F29056-MS1)					QC Source: BPF0650-12			Extracted: 06/29/06 14:29						
Lead	EPA 6020	41.8	---	0.500	mg/kg wet	1x		40.0	104%	(29-166)	--	--	07/03/06 17:49	
Post Spike (6F29056-PS1)					QC Source: BPF0650-12			Extracted: 06/29/06 14:29						
Lead	EPA 6020	0.105	---		ug/ml	1x		0.0995	106%	(75-125)	--	--	07/03/06 17:43	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6G10056 **TCLP Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6G10056-BLK1)								**Extracted: 07/03/06 11:39**						
Benzene	EPA 8260B	ND	---	0.0800	mg/l	1x	--	--	--	--	--	--	07/07/06 16:17	
Surrogate(s): 1,2-DCA-d4		*Recovery: 93.0%*			*Limits: 67-135%*	"							*07/07/06 16:17*	
Toluene-d8		*99.4%*			*70-130%*	"							"	
4-BFB		*98.5%*			*70-130%*	"							"	
LCS (6G10056-BS1)								**Extracted: 07/07/06 09:41**						
Benzene	EPA 8260B	0.752	---	0.0800	mg/l	1x	--	0.800	94.0%	(80-120)	--	--	07/07/06 10:58	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.0%*			*Limits: 67-135%*	"							*07/07/06 10:58*	
Toluene-d8		*97.2%*			*70-130%*	"							"	
4-BFB		*101%*			*70-130%*	"							"	
LCS Dup (6G10056-BSD1)								**Extracted: 07/07/06 09:41**						
Benzene	EPA 8260B	0.801	---	0.0800	mg/l	1x	--	0.800	100%	(80-120)	6.31%	(25)	07/07/06 11:28	
Surrogate(s): 1,2-DCA-d4		*Recovery: 92.9%*			*Limits: 67-135%*	"							*07/07/06 11:28*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*98.5%*			*70-130%*	"							"	

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6F27011-BLK1)									Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/28/06 00:25	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 111%*			*Limits: 75-125%*	"							*06/28/06 00:25*	
Toluene-d8		*103%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	
Blank (6F27011-BLK2)									Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	ND	---	0.50	mg/kg wet	1x	--	--	--	--	--	--	06/28/06 12:31	
Benzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
tert-Butyl Alcohol	"	ND	---	5.0	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	---	0.05	"	"	--	--	--	--	--	--	"	
Diisopropyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Ethanol	"	ND	---	20	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	0.50	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 114%*			*Limits: 75-125%*	"							*06/28/06 12:31*	
Toluene-d8		*106%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

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ANALYTICAL TESTING CORPORATION

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6F27011-BS1)								Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	2.0	---	0.50	mg/kg wet	1x	--	2.00	100%	(70-130)	--	--	06/27/06 22:12	
Benzene	"	2.0	---	0.10	"	"	--	"	100%	(75-125)	--	--	"	
tert-Butyl Alcohol	"	11	---	5.0	"	"	--	10.0	110%	(70-130)	--	--	"	
1,2-Dibromoethane (EDB)	"	2.0	---	0.05	"	"	--	2.00	100%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	2.0	---	0.05	"	"	--	"	100%	"	--	--	"	
Diisopropyl ether	"	2.1	---	0.50	"	"	--	"	105%	"	--	--	"	
Ethyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	"	--	--	"	
Ethanol	"	110	---	20	"	"	--	100	110%	"	--	--	"	
Ethylbenzene	"	1.9	---	0.10	"	"	--	2.00	95.0%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	2.0	---	0.50	"	"	--	"	100%	(71-127)	--	--	"	
Toluene	"	1.9	---	0.10	"	"	--	"	95.0%	(75-125)	--	--	"	
o-Xylene	"	1.9	---	0.10	"	"	--	"	95.0%	"	--	--	"	
m,p-Xylene	"	4.1	---	0.20	"	"	--	4.00	102%	"	--	--	"	
Xylenes (total)	"	6.0	---	0.30	"	"	--	6.00	100%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 95.0%*			*Limits: 75-125%*	"							*06/27/06 22:12*	
Toluene-d8		*97.0%*			*75-125%*	"							"	
4-BFB		*102%*			*75-125%*	"							"	
Matrix Spike (6F27011-MS1)					QC Source: BPF0650-22			Extracted: 06/27/06 08:39						
tert-Amyl Methyl Ether	EPA 8260B	1.4	---	0.36	mg/kg wet	1x		1.46	95.9%	(60-140)	--	--	06/27/06 22:39	
Benzene	"	1.5	---	0.07	"	"		"	103%	(75-131)	--	--	"	
tert-Butyl Alcohol	"	7.8	---	3.6	"	"		7.30	107%	(60-140)	--	--	"	
1,2-Dibromoethane (EDB)	"	1.4	---	0.04	"	"		1.46	95.9%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	1.4	---	0.04	"	"		"	95.9%	"	--	--	"	
Diisopropyl ether	"	1.5	---	0.36	"	"		"	103%	"	--	--	"	
Ethyl tert-butyl ether	"	1.4	---	0.36	"	"		"	95.9%	"	--	--	"	
Ethanol	"	65	---	15	"	"		73.0	89.0%	"	--	--	"	
Ethylbenzene	"	1.4	---	0.07	"	"		1.46	95.9%	"	--	--	"	
Methyl tert-butyl ether	"	1.4	---	0.36	"	"		"	95.9%	(71-130)	--	--	"	
Toluene	"	1.4	---	0.07	"	"		"	95.9%	(75-125)	--	--	"	
o-Xylene	"	1.4	---	0.07	"	"		"	95.9%	(60-140)	--	--	"	
m,p-Xylene	"	3.1	---	0.15	"	"		2.92	106%	"	--	--	"	
Xylenes (total)	"	4.5	---	0.22	"	"		4.38	103%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.5%*			*Limits: 75-125%*	"							*06/27/06 22:39*	
Toluene-d8		*91.8%*			*75-125%*	"							"	
4-BFB		*90.8%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

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Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Oxygenates by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6F27011 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (6F27011-MSD1)					QC Source: BPF0650-22				Extracted: 06/27/06 08:39					
tert-Amyl Methyl Ether	EPA 8260B	1.5	---	0.39	mg/kg wet	1x		1.58	94.9%	(60-140)	6.90%	(40)	06/27/06 23:05	
Benzene	"	1.6	---	0.08	"	"		"	101%	(75-131)	6.45%	(25)	"	
tert-Butyl Alcohol	"	8.5	---	3.9	"	"		7.89	108%	(60-140)	8.59%	(50)	"	
1,2-Dibromoethane (EDB)	"	1.5	---	0.04	"	"		1.58	94.9%	"	6.90%	(40)	"	
1,2-Dichloroethane (EDC)	"	1.6	---	0.04	"	"		"	101%	"	13.3%	"	"	
Diisopropyl ether	"	1.6	---	0.39	"	"		"	101%	"	6.45%	(50)	"	
Ethyl tert-butyl ether	"	1.5	---	0.39	"	"		"	94.9%	"	6.90%	"	"	
Ethanol	"	74	---	16	"	"		78.9	93.8%	"	12.9%	"	"	
Ethylbenzene	"	1.5	---	0.08	"	"		1.58	94.9%	"	6.90%	(25)	"	
Methyl tert-butyl ether	"	1.5	---	0.39	"	"		"	94.9%	(71-130)	6.90%	"	"	
Toluene	"	1.6	---	0.08	"	"		"	101%	(75-125)	13.3%	"	"	
o-Xylene	"	1.5	---	0.08	"	"		"	94.9%	(60-140)	6.90%	"	"	
m,p-Xylene	"	3.3	---	0.16	"	"		3.15	105%	"	6.25%	"	"	
Xylenes (total)	"	4.8	---	0.24	"	"		4.73	101%	"	6.45%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 94.9%*			*Limits: 75-125%*	"							*06/27/06 23:05*	
Toluene-d8		*94.3%*			*75-125%*	"							"	
4-BFB		*91.4%*			*75-125%*	"							"	

TestAmerica - Seattle, WA

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PH: (425) 420.9200 FAX: (425) 420.9210

Cambria Environmental Technology-Emeryville	Project Name:	**Shell #135701**	
5900 Hollis Street, Suite A	Project Number:	[none]	Report Created:
Emeryville, CA 94608	Project Manager:	Stewart Dalie	08/10/06 15:35

Notes and Definitions

Report Specific Notes:

A-01	-	The sample was received unpreserved in a core.
B	-	Analyte detected in the method blank.
D-08	-	Results in the diesel organics range are primarily due to overlap from a gasoline range product.
G-02	-	The chromatogram for this sample does not resemble a typical gasoline pattern. Please refer to the sample chromatogram.
RP-4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
S-04	-	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
SR-4	-	Due to sample matrix effects, the surrogate recovery was outside laboratory control limits.
SR-5	-	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Cherie Howland

Cherie Howland, Project Manager

Revised Chain of Custody

TEST AMERICA

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☐ 9405 S. W. Nimbus Ave., Beaverton, OR 97008

☐ East 11115 Montgomery, Suite B, Spokane, WA 99206

Shell Oil Products US Chain Of Custody Record

BPF0650

SOP US Project Manager to be invoiced:

☐ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
☐ BILL CONSULTANT

NAME OF PM TO BILL:

NAME OF TS TO BILL:

DATE: _____

PAGE: _____ of _____

CONSULTANT COMPANY: CAMBRIA ENVIRONMENTAL TECH.

ADDRESS: 5900 HOLLIS STUTE A.

CITY: EMERYVILLE, CA 94608

PM

TELEPHONE: FAX: E-MAIL:

SITE ADDRESS (Street and City):

PROJECT CONTACT (Report to): CONSULTANT PROJECT NO.:

SAMPLER NAME(S) (Print):

TURNAROUND TIME (CALENDAR DAYS):
☐ STANDARD (10 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

PM 6/24/02 10:50 4.7° w/o

REQUESTED ANALYSIS If more than one method is listed, circle one

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8015) GRO	TPH - Extractable (8015) DRO	BTEX (8021B, 602, 8260/624)	BTEX (8260B) + Oxygenates (8260B)	VOCs Full List + Oxygenates (8260B)	8 RCRA Metals	4 RCRA Metals (As, Cd, Cr, Pb)	Metals (Specify) _____	Container PID Readings or Laboratory Notes
SP - 1A	6/20/02	3:30																
SP - 1B	"	3:30																
SP - 1C		3:30																
SP - 1D		3:30																
CARB - 1A		4:00																
CARB - 1B	↓	4:00																

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

05/1/01 Revision

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG. BAT0650

CLIENT NAME: Shell
REC. BY (PRINT): EH
WORKORDER:

DATE REC'D AT LAB: 6/2/06
TIME REC'D AT LAB: 1705
DATE LOGGED IN:

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*	-23		SP-1A	BRASS TUBE	—	—	S	6/30	
2. Chain-of-Custody (Present) / Absent*	-24		SP-1B	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)	-25		SB-1C						
4. Airbill: Airbill / Sticker Present / (Absent)	-26		SP-1D						
5. Airbill #:	-27		CARD-1A	8oz JAR					
6. Sample Labels: (Present) / Absent	-28		CARB-1B	↓					
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition: (Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*									
10. Sample received within hold time? (Yes) / No*									
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes (No)									
14. Read Temp: 4.3 C									
Corrected Temp: 4.3 C									
Is corrected temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

6/2/06 EH

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 5 (07/13/04)
Effective 07/19/05

ATTACHMENT F

Department of Water Resources Well Driller's Completion Reports

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

ATTACHMENT G

Virgil Chavez Well Survey Report

July 13, 2006
Project No.: 2110-39A

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

Subject: Monitoring Well Survey
Shell Service Station
4255 MacArthur Blvd.
Oakland, CA

Dear Stu:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on July 12, 2006. The benchmark for this survey was a cut square in southeasterly return of southerly corner at intersection of High Street and MacArthur Boulevard. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation 177.397 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				170.11	RIM MW-6
37.7873237	-122.1954886	2113582.38	6071742.26	169.89	TOC MW-6
				171.10	RIM MW-7
37.7872912	-122.1953444	2113569.81	6071783.68	170.87	TOC MW-7
				174.48	RIM MW-8
37.7875754	-122.1951944	2113672.49	6071828.92	174.13	TOC MW-8
				175.57	RIM MW-9
37.7874021	-122.1950506	2113608.64	6071869.31	175.20	TOC MW-9

Sincerely,

Virgil D. Chavez, PLS 6323