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July 25, 2006

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

Re: **Subsurface Investigation Report and
Monitoring Well Installation Work Plan**
Former Shell Service Station
4411 Foothill Boulevard
Oakland, California
SAP Code 135686
Incident #98995746
Agency Site # RO0000415



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 vertically profile the lithology and hydrocarbon impacts to soil and groundwater beneath the site in order to determine appropriate locations and screened intervals for replacement groundwater monitoring wells, and to assess the vertical extent of impacts in the groundwater at the site. The work plan to install the replacement wells is included in this submittal. Cambria followed the scope of work presented in our August 16, 2005 *Subsurface Investigation Work Plan and Site Conceptual Model* and approved in the Alameda County Health Care Services Agency (ACHCSA) August 29, 2005 letter to Shell. The three off-site borings were not completed because Cambria was denied access to the south adjacent parking lot associated with the property at 4427-4433 Foothill Boulevard. Cambria performed the work in accordance with ACHCSA and San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) guidelines.

SITE LOCATION AND DESCRIPTION


Site Description: The site is a former Shell-branded service station located on the southern corner of the Foothill Boulevard and High Street intersection in Oakland, California (Figure 1). The former station layout included three first-generation underground storage tanks (USTs) (1958 to 1971), three second-generation USTs (1971 to 1984), three third-generation gasoline USTs (1984 to 2002), a waste oil UST (removed 1992), and four product dispensers (Figure 2). Land use in the site vicinity is mixed commercial and residential, with gasoline service stations

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occupying the northern and western corners of the intersection. Fremont High School is located on the eastern intersection corner. The subject property is currently being redeveloped for commercial use by the property owner.

PREVIOUS WORK



1958 UST Piping Leak: On April 19, 1958, a gasoline shortage was discovered at the operating Shell station. It was determined that there was a piping leak into a concrete pump pit and then into the soil in the vicinity of the storage tanks. Product was found in an irrigation well located at 4320 Bond Street, adjacent to the Shell site. Shell installed 22 8-inch wells to depths of 15 feet below grade (fbg) along the property boundary and 1 well within the tank complex. Groundwater was pumped from the wells, and the extracted water was transported to a separator. Though the volume of the release is not known, Shell reported in a June 2, 1958 letter to Traveler's Insurance Company that they recovered 650 gallons of gasoline from the wells. No documentation of any soil or groundwater sampling in response to the release has been located.

1971 UST Removal and Replacement: A Shell document dated July 15, 1971 notes plans to remove the existing 6,000-gallon USTs. No documentation of the UST removal or of any soil or groundwater sampling has been located in the archived files.

An invoice dated September 17, 1971 indicates the delivery of one 10,000-gallon UST, one 8,000-gallon UST, and one 550-gallon underground waste oil tank. No documentation of the tank installations has been located in the archived files.

1977 Dispenser Piping Leak: A Shell Oil Company Spill Report dated October 19, 1977 documents the release of 2,000 gallons of gasoline from a leaking pipe that ran from the USTs to the dispenser located closest to High Street. The report noted that the damaged section of pipe was replaced and that leak detectors were installed on all systems. No documentation of the repair or of any soil or groundwater sampling in response to the release has been located in the archived files.

1984 UST Removal and Replacement: A Shell purchase order dated October 1, 1984 indicates the removal of the existing USTs and installation of three 10,000-gallon fiberglass tanks. No documentation of the UST removal or of any confirmation sampling has been located in the archived files.

1991 Waste Oil Tank Leak: On June 5, 1991, Shell submitted to ACHCSA an Underground Storage Tank Unauthorized Release Report detailing a release from the 550-gallon waste oil tank

at the site. The report stated that the release was caused by tank failure, that the volume of release was unknown, and that the contents of the tank had been removed. Shell's suggested remedial action to remove the waste oil tank.

1992 Waste Oil Tank Removal: A 550-gallon waste oil tank was removed on February 5, 1992. A soil sample was collected at the bottom of the excavation at a depth of approximately 11 fbg. No total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene and xylenes (BTEX), oil and grease, halogenated volatile organic compounds, or metals were detected in the sample. Total lead was detected at 6.7 milligrams per kilogram (mg/kg). Details of the waste oil tank removal and sampling activities are presented in a March 26, 1992 GeoStrategies Inc. (GeoStrategies) report.

1992 Monitoring Well Installation: A single monitoring well (S-1) was installed in the vicinity of the waste-oil tank location. Details of this well installation are presented in the GeoStrategies' January 19, 1993 *Monitoring Well Installation Report*.

1993 Monitoring Well Installations: Hydro Environmental Technologies, Inc. (HETI) installed monitoring wells S-2 and S-3 on May 21, 1993. Well installation details are presented in HETI's July 22, 1993 report.

1995 Soil and Groundwater Investigation: Pacific Environmental Group (PEG) of San Jose, California conducted a Geoprobe® investigation in June 1995. The investigation consisted of advancing eight on-site soil borings and two off-site borings to collect soil and groundwater samples. PEG's September 12, 1995 *Site Investigation* report presents investigation details.

1998 Product Equipment Upgrades: In November 1998, Paradiso Mechanical (Paradiso) of San Leandro, California upgraded the service station by adding secondary containment to the gasoline turbines and dispensers. Details of dispenser upgrade and sampling activities are presented in Cambria's November 30, 1998 *Dispenser Soil Sampling Report*.

January 1999 Letter Response and Work Plan: In response to the December 7, 1998 ACHCSA letter to Equiva Services LLC (Equiva), Cambria prepared a *Letter Response and Work Plan* dated January 11, 1999. In this work plan, Cambria proposed an additional on-site groundwater monitoring well (S-4) and enhanced groundwater oxygenation via hydrogen peroxide injection into existing site wells.

March 1999 Work Plan Addendum: In a phone conversation with Cambria on February 1, 1999, ACHCSA requested additional information regarding the location of proposed well S-4 and the use of hydrogen peroxide. As a result, Cambria submitted a *Work Plan Addendum* on March 18, 1999. In this addendum, Cambria proposed locating well S-4 between the station building and the nearest dispenser-island to the north. Due to the lack of requested response from

the Oakland Fire Department on the safety of hydrogen peroxide use, Cambria also proposed the application of oxygen releasing compound (ORC) in lieu of hydrogen peroxide.

April 1999 ACHCSA Letter: In an April 30, 1999 letter to Equiva, ACHCSA requested further information regarding the application of ORC. In addition, the ACHCSA requested that Cambria perform a feasibility study to evaluate alternatives to prevent methyl tertiary butyl ether (MTBE) migration. Cambria provided the requested information in the *Letter Response* dated June 15, 1999. In September 1999, ORC socks were installed in wells S-1, S-2, and BW-A.

December 1999 Letter Response, Work Plan, and Conduit Study: In a November 10, 1999 letter, the ACHCSA requested that a site conceptual model (SCM) and work plan be prepared for the site. Cambria submitted a *Letter Response and Work Plan* on December 13, 1999. In that work plan, Cambria presented findings of a subsurface conduit study. Several conduits, which may provide limited preferential groundwater flow at times of high groundwater elevations, were identified.

January 2000 Site Investigation: Cambria conducted a site investigation in January 2000. Per ACHCSA requests, well S-4 was proposed between the station building and southeastern dispenser island. However, a conduit was encountered while drilling boring SB-4, and the boring was relocated approximately 50 feet southeast. The second boring (SB-4B) was located adjacent to the southeast corner of the station building, and well S-4 was installed in boring SB-4B to a depth of 20 fbg. In boring SB-4B, the maximum TPHd and TPHg concentrations were detected in sample SB-4B-5.5 at 27.2 mg/kg and 28.2 mg/kg, respectively. The maximum benzene concentration was detected in sample SB-4B-10.5 at 0.0696 mg/kg. The maximum MTBE concentration by EPA Method 8020 was reported in sample SB-4B-19.0 at 0.233 mg/kg. MTBE was confirmed by EPA Method 8260 in sample SB-4B-19.0 at a concentration of 0.0549 mg/kg. Investigation details are contained in Cambria's November 17, 2000 *Site Investigation Report*.

November 2001 Corrective Action Plan (CAP): On November 12, 2001, Cambria submitted a CAP in preparation for impending site demolition and fueling facility removal. In the CAP, Cambria discussed remedial alternatives and made remedial action recommendations. Cambria recommended additional on-site over-excavation, following removal of the underground facilities, to substantially remove residual impacted soils from within the property boundaries. Cambria also recommended removing groundwater from the excavation, and placing ORC at the base of the excavation to enhance biological degradation of residual impacted soil and groundwater. Continued quarterly groundwater monitoring was recommended to track the subsequent natural attenuation process.

February 2002 UST Closure Report: Paradiso removed the gasoline USTs and hydraulic hoists, and over-excavated approximately 1,250 cubic yards of impacted soil around and beneath the



USTs, product dispenser islands, and hydraulic hoists. Phillips Services Corporation extracted approximately 16,000 gallons of groundwater from the excavation pits. Following over-excavation, Paradiso placed 810 pounds of ORC powder on the bottom of the excavation. Details of the fuel facilities removal and corrective action are presented in Cambria's February 25, 2002 *Underground Storage Tank Closure Report*.

May 2002 Well Installation: In May 2002, Cambria installed one groundwater monitoring well (S-5) to complete the network of monitoring wells on site. The well was installed at a depth of 22 fbg. During the boring advancement, soil samples were collected at 15 and 20 fbg for lithologic logging purposes. Because these soil samples were collected beneath the water table, they were not submitted for chemical analysis. The well installation is described in Cambria's July 2, 2002 *Monitoring Well Installation Report*.

2005 Subsurface Investigation Work Plan and SCM: In response to a request in a June 10, 2005 letter from ACHCSA, Cambria submitted a *Subsurface Investigation Work Plan and Site Conceptual Model* on June 23, 2005. In anticipation of site redevelopment, Cambria recommended destroying all on-site wells, and replacing them following a subsurface investigation of the site to assist with re-locating the wells after site development was completed.

2005 Well Destructions: In anticipation of redevelopment of the site, Cambria destroyed wells S-1 through S-5 on July 14, 2005. The well destructions were completed in accordance with Alameda County Public Works Agency and San Francisco Regional Water Quality Control Board guidelines. The well destructions are described in Cambria's August 19, 2005 *Well Destruction Report*.

2005 Subsurface Investigation and Over-Excavation: In August 2005, Cambria advanced two soil borings to investigate the extent of petroleum hydrocarbon impacted soil and groundwater from the 1958 UST release. Borings TB-1 and TB-3 were advanced to 32 fbg and 22.5 fbg, respectively, and contained concentrations of up to 1,600 mg/kg TPHg in soil and 180,000 micrograms per liter ($\mu\text{g/l}$) TPHg, 22,000 $\mu\text{g/l}$ benzene, 9,700 $\mu\text{g/l}$ toluene, 5,200 $\mu\text{g/l}$ ethylbenzene, 25,000 $\mu\text{g/l}$ total xylenes, and 13.4 $\mu\text{g/l}$ lead in groundwater. Because the former UST area was located within the proposed footprint of a new building to be constructed at the site, Cambria excavated soil to the extent feasible in order to remove hydrocarbon-impacted soil beneath the building prior to site redevelopment. The excavation was completed to dimensions of 20 feet long by 25 feet wide by 20 feet deep. Following excavation, Cambria collected one confirmation soil sample from each sidewall and two soil samples from the excavation base. No water was observed in the bottom of the excavation. The activities are described in their entirety in Cambria's November 16, 2005 *Subsurface Investigation and Over-Excavation Report*.

SITE CONDITIONS


Sediment Lithology: Sandy clay and silt underlie the site from approximately 6 to 10 fbg. Clayey sand with lenses of sandy silt and gravel underlies the sandy clay from approximately 10 to 19 fbg. Sandy clay and clay underlie the clayey sand to the maximum on-site explored depth of 26 fbg. At some boring locations, a poorly sorted sand was encountered from between 7 and 10 fbg to approximately 20 fbg. This appears to be the main water bearing unit at the site.

Groundwater Characteristics and Monitoring Results: Groundwater has been monitored at the site since December 1992. Since then, groundwater depths have ranged from approximately 6 to 12 fbg. The calculated groundwater gradient typically trends to the south-southwest at approximately 0.12 feet per foot (ft/ft). Groundwater at the site appears to be semi-confined to confined, as indicated by the differences between the depth at which it is first encountered during boring advancement and the measured depth in wells.

Elevated concentrations of gasoline hydrocarbons and oxygenates are present in groundwater at the site. During the second quarter 2005 monitoring event, the highest TPHg concentration detected was 13,000 parts per billion (ppb) in both wells S-1 and S-4. At that time, the maximum benzene and MTBE concentrations in groundwater were 1,900 ppb and 460 ppb, respectively, in S-4. During the September 2004 sampling, tert-butyl alcohol (TBA) was detected in wells S-2, S-4, and S-5 at concentrations of 450, 140, and 3,700 ppb, respectively. No other oxygenates have been detected in groundwater at the site. TPHd has been reported historically in the wells, with the maximum concentration reported in June of 2002 at 2,700 µg/l in well S-4. The majority of the TPHd results historically reported in all site wells also had associated laboratory notes stating either that the chromatogram pattern indicates an unidentified hydrocarbon and the hydrocarbon pattern did not match the pattern of the laboratory's standard, or that hydrocarbon reported was in the early diesel range and did not match the laboratory's standard. This implies that the TPHd being reported at this site is likely that of weathered gasoline.

Groundwater monitoring was discontinued at the site following the second quarter 2005 sampling event, and the site's monitoring wells were abandoned on July 14, 2005 in anticipation of redevelopment construction at the site.



INVESTIGATION SUMMARY

In July of 2005, to accommodate re-development of the former Shell site, Cambria destroyed all five wells (S-1 through S-5) at the site. Prior to the well destruction activities, ACHCSA stated in a June 10, 2005 letter that the continued groundwater monitoring required at the site necessitates installing monitoring wells to replace those destroyed prior to the site's redevelopment. In addition, the letter noted that the vertical extent of petroleum hydrocarbons previously detected in groundwater at the site had not been determined. To address these concerns, Cambria submitted an August 16, 2005 *Subsurface Investigation Work Plan and Site Conceptual Model*. The work plan proposed a discrete-depth soil and groundwater investigation via soil borings to provide additional information on the site's lithology, and thus assist in determining the screened intervals for the replacement wells, and to assess the vertical profile of subsurface contamination. The work plan also proposed to investigate the off-site area potentially impacted by the 1958 gasoline release. The investigation activities and results are presented below.

- Personnel Present:*** Cambria geologist Bill DeBoer directed the field activities, working under the supervision of California Professional Geologist David Gibbs.
- Permit:*** Alameda County Public Works Agency staff issued permit #W2006-0301 for all proposed soil borings (Attachment A).
- Drilling Company:*** Vironex, Inc. of San Leandro, California (C-57 License # 705927).
- Drilling Dates:*** May 15 through May 18, 2006.
- Drilling Methods:*** All borings were cleared to 5 fbg using hand-auger and air-knife equipment, and were advanced to their total depth using a direct-push drill rig.
- Number of Borings:*** Five borings (SB-5 through SB-8, and SB-12) were advanced during these field activities. Three off-site borings (SB-9 through SB-11) were also proposed on the adjacent parking lot to the east associated with the property at 4427-4433 Foothill Boulevard. However, the current property owner denied Cambria access to this area, and these soil borings were not installed. The boring locations are shown on Figure 2.

Boring Depths:

The borings were proposed to be advanced to 45 fbg for the collection of soil and groundwater samples, but each encountered refusal with the direct-push drill rig at depths ranging between 24 and 30 fbg. A second boring was advanced adjacent to each borehole, utilizing a Hydropunch® sampler, to depths between 31 and 44 fbg to allow for the collection of groundwater samples.

Borings SB-5, SB-6, SB-7, SB-8, and SB-12 were advanced using direct push to maximum depths of 24, 26, 30, 30, and 27 fbg, respectively, for the collection of soil samples. Borings SB-5, SB-6, SB-7, SB-8, and SB-12 were advanced using a Hydropunch sampler to maximum depths of 44, 44, 44, 31, and 35 fbg, respectively, for the collection of groundwater samples.

Soil Classification:

Cambria logged soil types using the Unified Soil Classification System and Munsell Soil Color Charts. Encountered soils beneath the site consisted primarily of silt, sandy silt, silt with gravel, and sandy silt with gravel (ML) with 2- to 4-foot thick intervals of silty sand and silty sand with gravel (SM; SP-SM). A clay and clay with silt interval was observed in borings SB-8 and SB-12 at approximately 20 fbg, and excavation fill was observed in boring SB-8 to approximately 7 fbg. Encountered soils are fully described on the boring logs presented in Attachment B.

Soil Sampling Methods:

Soil samples were collected from all the borings continuously, until refusal was encountered with the direct push-drill rig, for soil description, possible chemical analyses, and headspace analysis. Cambria screened the soil samples for the presence of organic vapors using a photo-ionization detector (PID) and recorded the PID readings on the boring logs (Attachment B). Soil samples from approximate 5-foot intervals above the water table were selected from each boring for chemical analysis down to a maximum of 23.5 to 25 fbg. Samples selected for chemical analysis were retained in brass sleeves capped with Teflon® sheets and tight fitting end caps, and then labeled, entered onto a chain-of-custody record, and placed into a cooler with ice for transport to a State-of-California certified laboratory for analysis.

Groundwater Depths:

Groundwater was first encountered in the borings at depths ranging from 7.5 fbg (SB-6) to 15 fbg (SB-5 and SB-7). First-encountered groundwater in all borings except SB-8 was observed to be moist permeable soils but did not yield sufficient water for sample collection. First groundwater was encountered in SB-8 at 9 fbg, and a groundwater sample was collected.

Groundwater Sampling:

Depth-discrete groundwater samples were proposed to be collected from each boring at 5-foot intervals, where sufficient groundwater allowed for adequate recharge, to assess the vertical extent of groundwater impact at the site. In SB-5, depth-discrete groundwater samples were attempted at intervals of 13 to 17 fbg, 31 to 35 fbg, and 40 to 44 fbg, but only the 40-foot sample yielded sufficient water for sample collection. In SB-6, no water was encountered to 26 fbg, and depth-discrete groundwater samples were attempted at intervals of 26 to 30 fbg, 31 to 35 fbg, and 40 to 44 fbg, but none of these intervals yielded sufficient water for sample collection. In SB-7, depth-discrete groundwater samples were attempted at intervals of 13 to 17 fbg, 24 to 28 fbg, 28 to 32 fbg, 32 to 36 fbg, 36 to 40 fbg, and 40 to 44 fbg, but none of these intervals yielded sufficient water for sample collection. In SB-8, depth-discrete groundwater samples were attempted at intervals of 9 to 12 fbg, 22 to 25 fbg, and 28 to 31 fbg, but only the 9-foot and 22-foot samples yielded sufficient water for sample collection. In SB-12, a temporary casing, screened from surface to 27 fbg, was used to collect a grab groundwater sample. SB-12 was allowed to stay open for approximately 4 hours to allow groundwater to recharge, and a sample was successfully collected. In addition, a depth-discrete groundwater sample was collected from SB-12 at 31 to 35 fbg. Sample intervals are shown on the boring logs in Attachment B.

Chemical Analyses:

Groundwater and selected soil samples were analyzed for TPHd by EPA Method 8015 (Modified), and for TPHg, BTEX, MTBE, and TBA by EPA Method 8260B.


Soil Disposal:

Cambria temporarily stored on site one 55-gallon drum containing soil generated during the field activities and profiled the soil for disposal. The soil will be transported Allied Waste Industries' Forward Landfill in Manteca, California for disposal



as non-hazardous waste. Disposal confirmation will be available at Cambria upon request. The laboratory analytical report for the soil's profile is included in Attachment C.

INVESTIGATION RESULTS



Soil Analytical Results: Twenty-two soil samples were collected for chemical analysis from the five borings at approximate 5-foot intervals and where field indications of hydrocarbons were observed. With the exception of boring SB-8, soil samples were collected to depths between 23.5 and 25 fbg. Soil samples from SB-8 were collected at 5 and 10 fbg.

In the 22 soil samples collected, maximum concentrations of petroleum constituents were reported at 3,000 mg/kg TPHg, 110 mg/kg TPHd, 3.7 mg/kg benzene, 60 mg/kg toluene, 47 mg/kg ethylbenzene, 270 mg/kg total xylenes, 0.034 mg/kg MTBE, and 0.46 mg/kg TBA. The maximum concentrations for all analytes were observed in soil boring SB-7 at sample depths of 10, 15, and 20 fbg, though lesser concentrations of all analytes are dispersed amongst the other borings.

Table 1 summarizes the soil analytical result, Figure 2 includes the TPHg, TPHd, benzene, and MTBE concentrations, and Attachment C presents the laboratory analytical report.

Groundwater Analytical Results: Depth-discrete groundwater samples were collected from borings SB-5 at 40 fbg, SB-8 at 9 and 22 fbg, and SB-12 at 31 fbg. A grab groundwater sample was collected from boring SB-12 at 0 to 27 fbg. These samples contained up to 5,900 µg/l TPHg (SB-12W-27'), 2,400 µg/l TPHd (SB-8W-22'), 3,300 µg/l benzene (SB-12W-27'), 470 µg/l toluene (SB-12W-27'), 260 µg/l ethylbenzene (SB-12W-27'), 420 µg/l total xylenes (SB-12W-27'), 880 µg/l MTBE (SB-5W-40), and 630 µg/l TBA (SB-8W-22').

Table 2 summarizes the groundwater analytical results, Figure 2 includes the TPHg, TPHd, benzene, and MTBE concentrations, and Attachment C presents the laboratory analytical reports.

CONCLUSIONS


Borings SB-9, SB-10, and SB-11 were proposed off site and adjacent to the site toward the south, south-southeast, and east to investigate off-site soil and groundwater conditions associated with the large 1958 fuel release, but were not installed because Shell was denied access to the off-site property.

Based on this and previous investigations at the site, soil impacts appear to be limited to the vicinity of the former USTs, dispensers, and product piping, to depths above approximately 15 fbg. Historical maximum concentrations of petroleum constituents in site soils have been reported at 3,100 mg/kg TPHg, 244 mg/kg TPHd, 9.6 mg/kg benzene, and 2.5 mg/kg MTBE (by EPA 8260).

The vertical extent of impact in the groundwater at the site has been determined by the groundwater results from boring SB-12, located just downgradient of the source area of the first- and second-generation USTs. Although the sample SB-12W was collected from a temporary well screen from the interval between 0 to 27 fbg, the source of the groundwater sample is likely the more permeable soils between 8 to 15 fbg, and above the silts and clays between 15 and 27 fbg. The results from the groundwater sample from 31 to 35 fbg in this boring indicate that the detectable hydrocarbon constituents attenuate one to two orders of magnitude with depth.

Based on this and previous investigations at the site, it appears that the chemicals of concern in the shallow groundwater at this site are TPHg, BTEX, and MTBE. MTBE has been most evident in the upgradient well S-2, and may actually reflect influence from known off-site upgradient and crossgradient sources of MTBE. Since 2005, maximum TPHg, BTEX, and MTBE concentrations were reported in a grab shallow groundwater sample from boring TB-3 (advanced in August 2005 within the former first- and second-generation UST area) at 180,000 µg/l TPHg, 22,000 µg/l benzene, 9,700 µg/l toluene, 5,200 µg/l ethylbenzene, 25,000 µg/l total xylenes, and 890 µg/l MTBE. Maximum concentrations of these constituents in the on-site wells the last time they were sampled (June 2005) were at 13,000 µg/l TPHg (S-1 and S-4), 200 µg/l benzene (S-2), 310 µg/l toluene (S-1), 1,200 µg/l ethylbenzene (S-1), 3,300 µg/l total xylenes (S-1), and 890 µg/l MTBE (S-4).

A February 2000 sensitive receptor survey identified 58 monitoring, test, or industrial wells located within a ½-mile radius of the site. No municipal, domestic, or irrigation wells were identified. Given the depth and distance of the identified wells, it was concluded that it was unlikely that chemicals originating from the subject site would impact any of these wells. Although groundwater in this area cannot be precluded from being a potential future source of drinking water, it is not currently a source of drinking water, and given the commercial nature of



the land use at the site, the proximity to San Leandro Bay, and the shallow depth, it is unlikely that the first water-bearing zone would be used as a source of drinking water in the foreseeable future. Further, in accordance with the June 1999 California Regional Water Quality Control Board, San Francisco Bay Region Groundwater Committee “East Bay Plain Groundwater Basin Beneficial Use Evaluation Report for Alameda and Contra Costa Counties, CA.” the City of Oakland (among other cities) does not have plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity. Thus, the environmental screening levels (ESLs) published in San Francisco Bay Regional Water Quality Control Board’s *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater* (Interim Final – February 2005) for drinking water do not apply at the site, and Table B with ESLs for sites where groundwater is considered not potable becomes applicable.

Post-2005 maximum concentrations of MTBE do not exceed the lowest ESL of 1,800 µg/l established for protection of groundwater considered to be non-drinking water. Thus, the focus of the ongoing groundwater investigation at this site should pertain to assessing TPHg and BTEX concentrations and trends, and evaluating any potential vapor threat from these constituents in shallow groundwater to nearby receptors.

WORK PLAN

At ACHCSA’s request (letter dated June 10, 2005), the groundwater monitoring wells that were destroyed at this former Shell site in July of 2005 to accommodate site redevelopment are to be replaced in order to continue monitoring site groundwater conditions.

TECHNICAL RATIONALE FOR PROPOSED SCOPE OF WORK

- Replacement wells are proposed at select locations at the site to continue monitoring shallow groundwater conditions and impacts associated with past petroleum hydrocarbon releases.
- Well S-6 is located to monitor groundwater conditions upgradient on the site, and any influences from known other off-site sources. Well S-7 is located to monitor groundwater conditions near and downgradient of the third generation former UST’s. Well S-8 is located to monitor groundwater conditions downgradient of the dispensers formerly located near High Street (source of 1977 release). Well S-9 is located to

monitor groundwater conditions downgradient of the first- and second-generation UST's, and adjacent to the 1958 fuel release.

WORK TASKS

Permits: Cambria will obtain the required drilling permits for the well installations from Alameda County Public Works Agency.



Site Safety Plan: Cambria will prepare a comprehensive site-specific safety plan to protect site workers. The plan will be reviewed and signed by each site worker and kept on the site during field activities.


Utility Clearance: Cambria will mark the proposed drilling locations and clear the locations through Underground Service Alert (USA) prior to drilling. A private utility locating service will be used to verify clearance of subsurface obstructions. Additionally, the first 8 feet of each boring will be cleared to a diameter 4 inches larger than the lead auger by using an air-knife or by hand augering, to minimize potential damage to underground structures not identified through USA.

Site Investigation: Four soil borings (S-6, S-7, S-8, and S-9) are proposed at the locations shown on Figure 3. The soil borings will be drilled using hollow-stem auger (HSA) equipment and converted to groundwater monitoring wells. With the possible exception of proposed well S-9, the installation of these monitoring wells will be implemented after the current site development has been completed to reduce the potential for damage to these wells from ongoing site development. Because S-9 is proposed in a location that will be developed as a planter area behind proposed Building B and will thus have limited access, Cambria will inquire with the site developer to determine if S-9 can be installed prior to developing that portion of the site.

A Cambria geologist will supervise the drilling and describe encountered soils in the borings using the Unified Soil Classification System and Munsell Soil Color Charts. During the HSA work, soil samples will be collected continuously from 5 fbg to the bottom of the boring for lithologic description. Soil samples will be screened in the field for organic vapors using a PID. Exploratory boring logs will be prepared for each boring. PID measurements will be recorded on the boring logs.

Soil samples designated for chemical analyses will be retained at approximate 5-foot intervals from all borings in steel, brass, or plastic tubes. The tubes will be covered on both ends with Teflon sheets and plastic end caps. Each soil sample will then be labeled, entered onto a chain-

of-custody record, and placed into a cooler with ice for transport to a State of California certified laboratory for analysis. A standard 2-week turn-around time will be requested for laboratory results.



Monitoring Well Installation: Groundwater at the site appears to be semi-confined to confined, as indicated by the differences between the depth at which it is first encountered during boring advancement and the measured depth in wells. First-encountered groundwater at the site has been observed at up to 15 fbg, while data from monitoring previous site wells shows groundwater depths as high as 5 fbg. The calculated groundwater gradient typically trends to the south-southwest at approximately 0.12 ft/ft. The proposed wells will target the first main water-bearing unit at the site with higher estimated permeability, which is a poorly sorted sand observed in most historical borings between 7 and 12 fbg down to approximately 20 fbg. Each well screen interval will extend from approximately 5 feet to no more than 10 feet below first-encountered groundwater, depending on lithology. The final screen length will be determined based on field conditions. Each well will be constructed using 4-inch diameter Schedule 40 PVC casing using a screen slot size of 0.010 and a #2/12 filter pack, or similar. The filter pack in each well will be placed to 2 feet above the top of the well screen followed by a thick bentonite seal and cement grout to grade. Actual well construction details will be based on field conditions encountered during drilling. Each well will be secured with a locking cap under a traffic-rated well box.

Well Development and Sampling: Blaine Tech Services, Inc. (Blaine) of San Jose, California will develop the new wells prior to sampling. No sooner than 48-hours after well development, Blaine will sample the wells and submit the samples to a State-of-California certified laboratory for chemical analyses.

Chemical Analyses: Based on the results of previous samples, the groundwater and selected soil samples will be analyzed for TPHg, BTEX, MTBE, TBA, 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB) by EPA Method 8260B; and for TPHd by EPA Method 8015M. In addition, the selected soil samples will be analyzed for total lead by EPA Method 7421.

Wellhead Survey Activities: Following monitoring well installation, a licensed surveyor will survey wellhead elevations relative to mean sea level and the latitude and longitude of each well location. The information will be uploaded into the State of California GeoTracker database, as required.

Report Preparation: Following the receipt of analytical results from the laboratory, Cambria will prepare a written report which will include a description of the field procedures, a presentation of the analytical results, tabulated data, figures showing sample locations, the complete analytical laboratory reports, boring logs with well construction details, findings and conclusions, and recommendations.

CERTIFICATION

The scope of work described in this work plan will be performed under the supervision of a California professional geologist or engineer.

SCHEDULE



Upon receiving written work plan approval, and after completion of current site development activities, Cambria will acquire the required permits and schedule field activities. A well installation report will be submitted approximately 60 days after receipt of the soil data from the analytical laboratory. The sampling of the new wells will be incorporated into the existing monitoring program for the site.

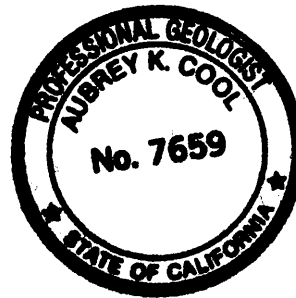
CLOSING

We appreciate your continued assistance with this project. Please note the new Cambria Project Manager for this site. If you have any questions concerning this submittal, please contact Dennis Baertschi at (707) 268-3813 or dbaertschi@Cambria-env.com. In addition, please direct future Cambria correspondence to his attention at 270 Perkins Street, Sonoma, CA 95476.

Sincerely,
Cambria Environmental Technology, Inc.



Bill Deboer
Staff Geologist



for: Ana Friel, PG
Associate Geologist

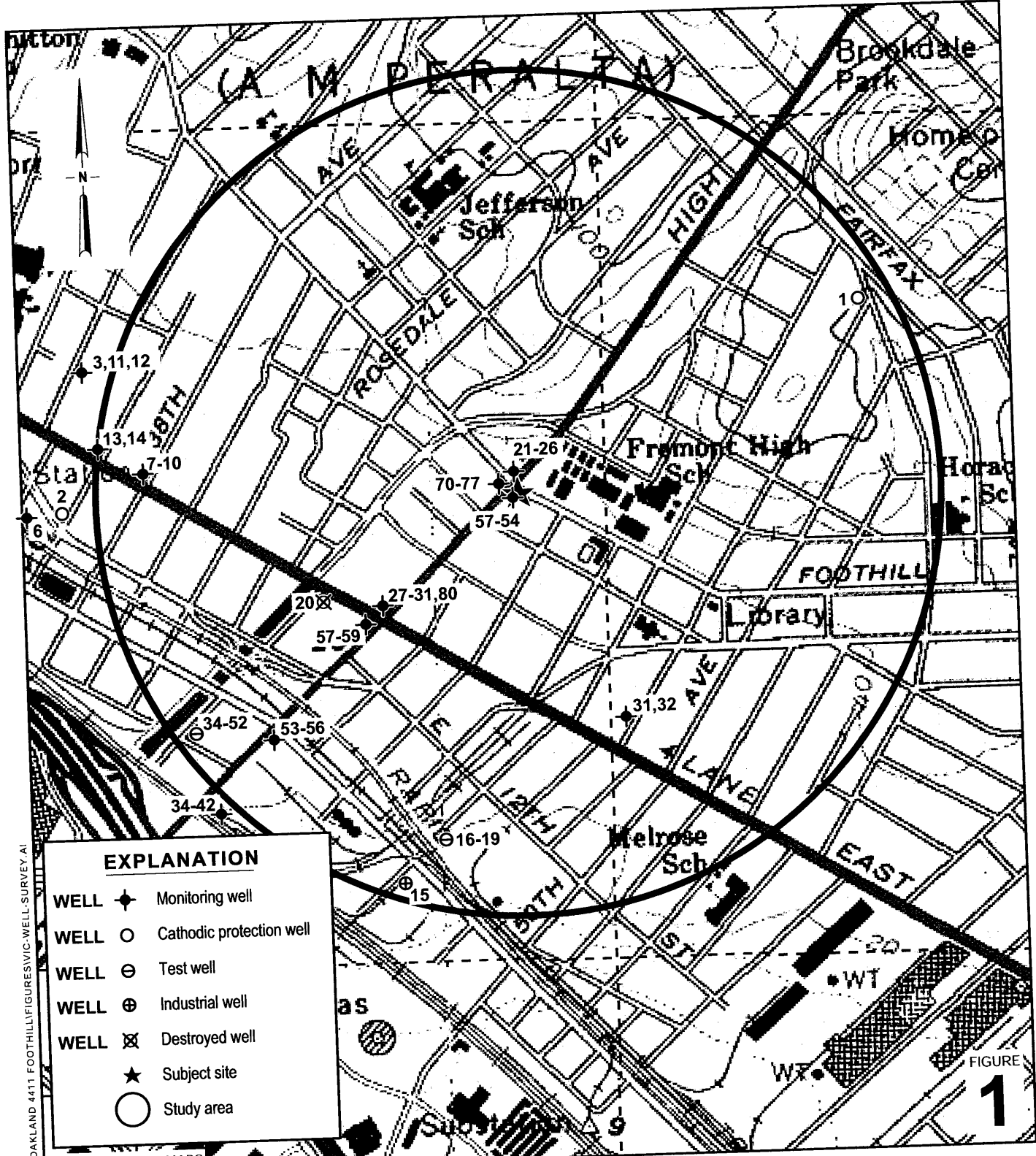
Figures: 1 - Site Vicinity and Area Well Survey Map
 2 - Site Plan and Chemical Concentration Map
 3 - Site Plan and Proposed Monitoring Well Locations

Tables: 1 - Historical Soil Sampling Results
 2 - Historical Grab Groundwater Sampling Results

Attachments: A - Drilling Permit
 B - Soil Boring Logs
 C - Laboratory Analytical Reports

cc: Denis Brown, Shell Oil Products US, 20945 Wilmington Ave, Carson, CA 90810
 Bill Phua c/o Jay-Phares, 10700 MacArthur Boulevard, Suite 200, Oakland, CA
 94605-5260, Attention: H.K. Phares

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SOURCE: TOPOI MAPS

Former Shell Service Station
 4411 Foothill Boulevard
 Oakland, California
 Incident No.98995746

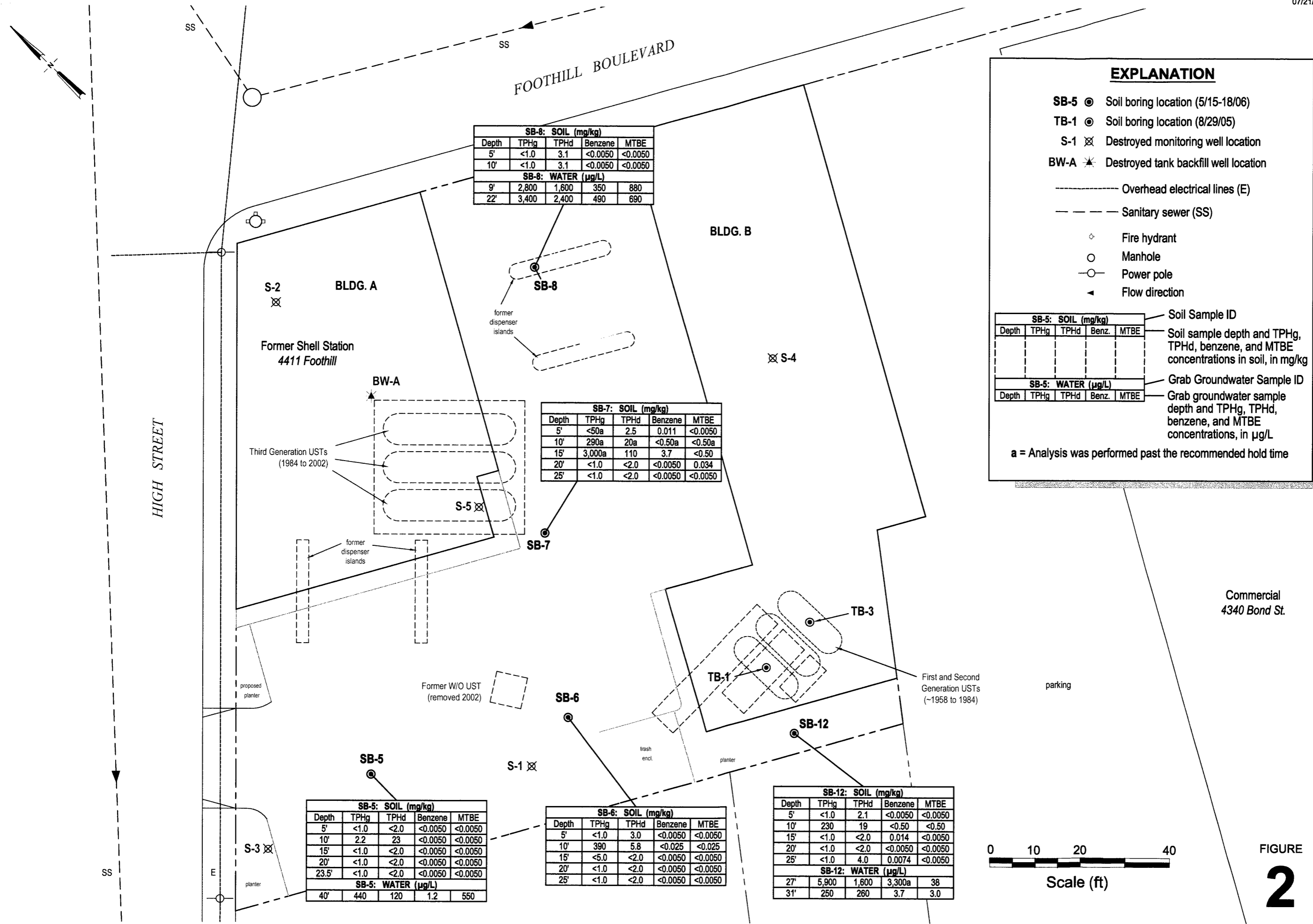


C A M B R I A

**Site Vicinity and Area Well
 Survey Map**

(1/2-Mile Radius)

FIGURE
1



EXPLANATION

- SB-5 ● Soil boring location (5/15-18/06)
- TB-1 ● Soil boring location (8/29/05)
- S-1 ⊗ Destroyed monitoring well location
- BW-A ✱ Destroyed tank backfill well location
- Overhead electrical lines (E)
- - - - Sanitary sewer (SS)
- ◇ Fire hydrant
- Manhole
- Power pole
- ◀ Flow direction

Soil Sample ID

Depth	TPHg	TPHd	Benz.	MTBE

Soil sample depth and TPHg, TPHd, benzene, and MTBE concentrations in soil, in mg/kg

Grab Groundwater Sample ID

Depth	TPHg	TPHd	Benz.	MTBE

Grab groundwater sample depth and TPHg, TPHd, benzene, and MTBE concentrations, in µg/L

a = Analysis was performed past the recommended hold time

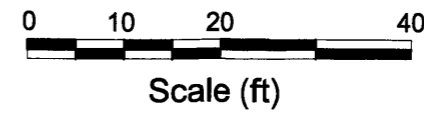
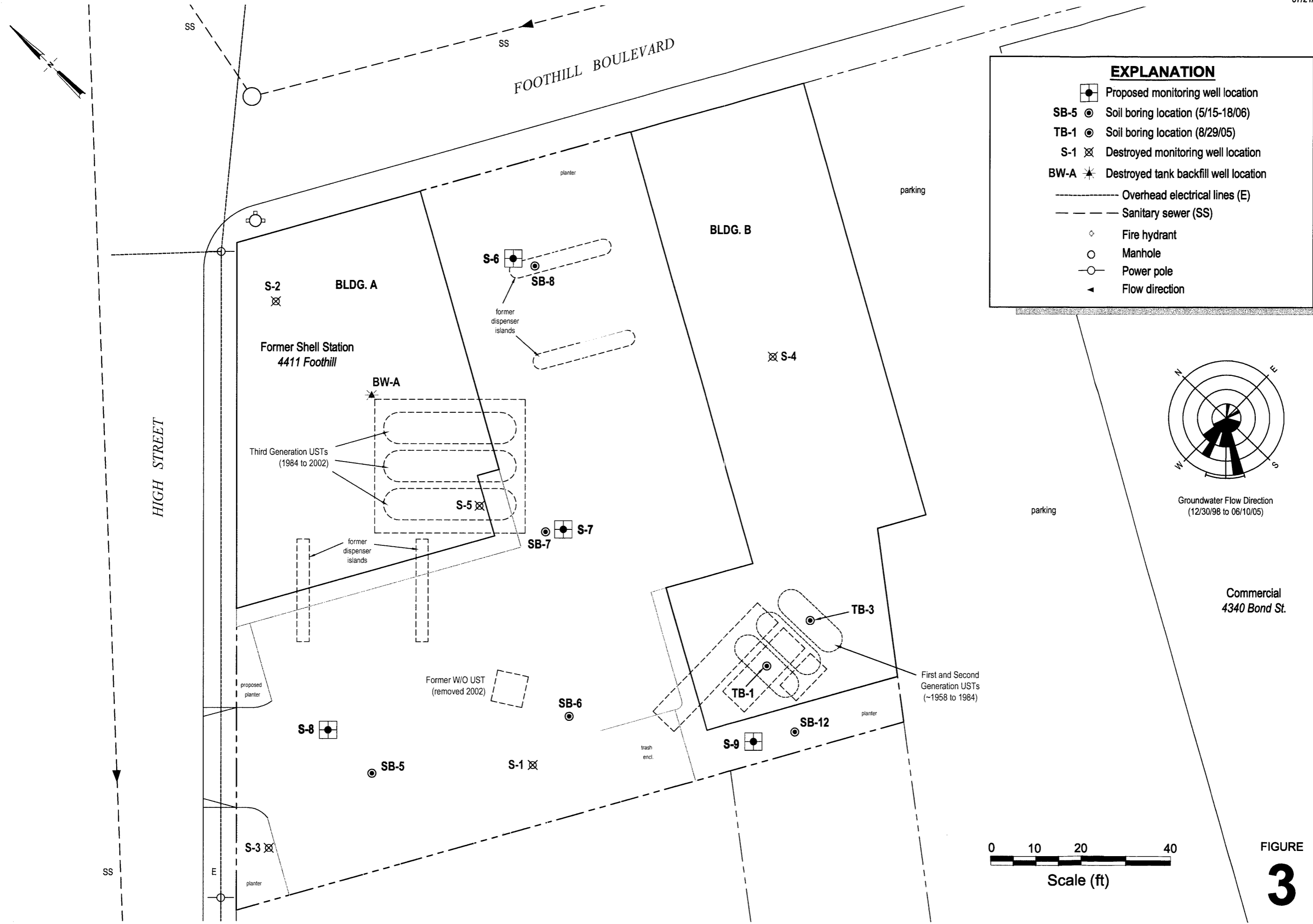


FIGURE
2



G:\OAKLAND 4411 FOOHILL\FIGURES\SITE PLAN - PROP WELLS.DWG



EXPLANATION

- Proposed monitoring well location
- SB-5** Soil boring location (5/15-18/06)
- TB-1** Soil boring location (8/29/05)
- S-1** Destroyed monitoring well location
- BW-A** Destroyed tank backfill well location
- Overhead electrical lines (E)
- Sanitary sewer (SS)
- Fire hydrant
- Manhole
- Power pole
- Flow direction

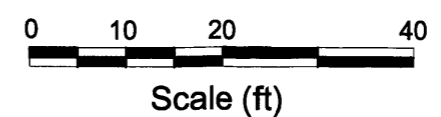
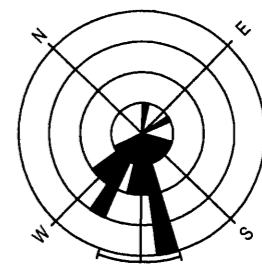


FIGURE 3

Site Plan and Proposed Monitoring Well Locations



C A M B R I A

Former Shell Service Station
 4411 Foothill Boulevard
 Oakland, California
 Incident No. 98995746

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo (hydraulic O)	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Lead
(Concentrations reported in milligrams per kilogram)																	
<i>2006 Subsurface Investigation</i>																	
SB-5-5	5	5/17/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-5-10	10	5/17/2006	<0.0050	2.2	23	<0.0050	<0.0050	0.020	0.017	---	---	<0.050	---	---	---	---	---
SB-5-15	15	5/17/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-5-20	20	5/17/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-5-23.5	23.5	5/17/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-6-5	5	5/16/2006	<0.0050	<1.0	3.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-6-10	10	5/16/2006	<0.025	390	5.8	<0.025	<0.025	<0.025	<0.050	---	---	<0.25	---	---	---	---	---
SB-6-15	15	5/16/2006	<0.0050	<5.0 ^a	<2.0	<0.0050	0.010	0.068	0.20	---	---	<0.050	---	---	---	---	---
SB-6-20	20	5/16/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-6-25	25	5/16/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-7-5	5	5/17/2006	<0.0050	<5.0 ^a	2.5	0.011	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-7-10 ^a	10	5/17/2006	<0.50	290	20	<0.50	<0.50	3.2	3.0	---	---	<5.0	---	---	---	---	---
SB-7-15	15	5/17/2006	<0.50	3,000^a	110	3.7	60^a	47^a	270^a	---	---	<5.0	---	---	---	---	---
SB-7-20	20	5/17/2006	0.034	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	0.46	---	---	---	---	---
SB-7-25	25	5/17/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
*SB-8-5	5	5/15/2006	<0.0050	<1.0	3.1	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
*SB-8-10 ^a	10	5/15/2006	<0.0050	<1.0	3.1	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-12-5	5	5/16/2006	<0.0050	<1.0	2.1	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-12-10	10	5/16/2006	<0.50	230	19	<0.50	<0.50	<0.50	<1.0	---	---	<5.0	---	---	---	---	---
SB-12-15	15	5/16/2006	<0.0050	<1.0	<2.0	0.014	0.0062	0.0084	0.014	---	---	<0.050	---	---	---	---	---
SB-12-20	20	5/16/2006	<0.0050	<1.0	<2.0	<0.0050	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
SB-12-25	25	5/16/2006	<0.0050	<1.0	4.0	0.0074	<0.0050	<0.0050	<0.010	---	---	<0.050	---	---	---	---	---
<i>2005 Subsurface Investigation</i>																	
TB-1-7.0	7.0	8/29/2005	<0.0050	2.2^b	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	21.2
TB-1-10.5	10.5	8/29/2005	<0.50	1,600	---	<0.50	<0.50	1.5	0.84	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	10.9
TB-1-12.0	12.0	8/29/2005	<0.50	570	---	1.5	<0.50	3.3	1.0	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	291
TB-1-15.0	15.0	8/29/2005	<0.50	<50	---	0.86	<0.50	0.79	2.3	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	4.00
TB-1-18.0	18.0	8/29/2005	<0.50	<50	---	1.1	<0.50	<0.50	<0.50	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	3.81
TB-1-19.5	19.5	8/29/2005	<0.50	<50	---	0.56	<0.50	<0.50	<0.50	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	4.38
TB-3-3.0	3.0	8/29/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	2.22
TB-3-6.0	6.0	8/29/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	0.021	---	---	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	16.3
TB-3-9.0	9.0	8/29/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	4.20

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	(Concentrations reported in milligrams per kilogram)														Lead	
			MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo (hydraulic O	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB		
TB-3-12.0	12.0	8/29/2005	<0.50	1,100	---	<0.50	<0.50	11	48	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	10.2
TB-3-15.0	15.0	8/29/2005	<0.50	<50	---	2.2	<0.50	<0.50	1.8	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	5.60
TB-3-18.0	18.0	8/29/2005	<0.50	<50	---	1.0	<0.50	<0.50	<0.50	---	---	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	3.85
TB-3-21.0	21.0	8/29/2005	0.0062	<1.0	---	0.0070	<0.0050	<0.0050	0.009	---	---	0.0062	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	3.20
TP-1-20.0	20.0	9/20/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	0.023	<0.0050	<0.0050	---	---	---
TP-2-20.0	20.0	9/20/2005	<0.0050	<1.0	---	0.044	<0.0050	<0.0050	<0.0050	---	---	<0.0050	0.0053	<0.0050	<0.0050	---	---	---
TP-3-20.0	20.0	9/20/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	0.018	<0.0050	<0.0050	---	---	---
TP-4-20.0	20.0	9/20/2005	<0.0050	<1.0	---	0.050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	0.0066	<0.0050	<0.0050	---	---	---
TP-5-20.0	20.0	9/20/2005	<0.0050	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	---	<0.0050	0.013	<0.0050	<0.0050	---	---	---
TP-6-20.0	20.0	9/20/2005	<0.0050	<1.0	---	0.0080	<0.0050	0.0083	0.040	---	---	<0.0050	0.012	<0.0050	<0.0050	---	---	---
<i>2002 Soil Over-excavation & Hydraulic Hoist Removal Activities</i>																		
E-1-8.0 (A2)	8.0	1/2/2002	<0.02	9.5	---	0.19	0.09	0.94	5.2	---	---	---	---	---	---	---	---	---
E-2-8.0 (A2)	8.0	1/2/2002	0.23	7.5	---	0.23	0.04	0.91	2.0	---	---	---	---	---	---	---	---	---
E-3-8.0 (A2)	8.0	1/2/2002	0.54	3.7	---	0.46	0.06	3.9	0.52	---	---	---	---	---	---	---	---	---
E-4-8.0 (A2)	8.0	1/2/2002	0.041	1.5	---	0.093	0.005	0.005	0.006	---	---	---	---	---	---	---	---	---
E-5-12.0 (A2)	12.0	1/2/2002	<0.02	54	---	0.71	0.46	2.6	16	---	---	---	---	---	---	---	---	---
E-6-11.0 (A2)	11.0	1/2/2002	<0.02	75	---	2.9	3.6	12	54	---	---	---	---	---	---	---	---	---
E-7-14.0 (A2)	14.0	1/2/2002	<0.02	41	---	1.0	0.53	2.2	11	---	---	---	---	---	---	---	---	---
E-8-11.0 (A2)	11.0	1/2/2002	<0.02	310	---	2.0	1.8	14	77	---	---	---	---	---	---	---	---	---
E-9-9.0 (A2)	9.0	1/2/2002	0.03	55	---	0.06	0.03	0.05	0.08	---	---	---	---	---	---	---	---	---
E-10-9.0 (A2)	9.0	1/3/2002	0.082	<0.20	---	0.002	0.004	<0.002	0.007	---	---	---	---	---	---	---	---	---
E-11-9.0 (A2)	9.0	1/3/2002	0.010	<0.20	---	0.007	<0.002	<0.002	<0.002	---	---	---	---	---	---	---	---	---
E-12-11.0 (A2)	11.0	1/3/2002	0.48	23	---	1.1	0.12	2.0	12	---	---	---	---	---	---	---	---	---
E-13-9.0 (A2)	9.0	1/3/2002	0.012	<0.20	---	<0.002	<0.002	<0.002	<0.002	---	---	---	---	---	---	---	---	---
E-14-9.0 (A2)	9.0	1/3/2002	0.024	2.7	---	0.005	<0.002	0.19	0.23	---	---	---	---	---	---	---	---	---

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	(Concentrations reported in milligrams per kilogram)														
			MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo	hydraulic O	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB
E-15-11.0 (A2)	11.0	1/4/2002	0.33	1,800	---	9.6	42	100	590	---	---	---	---	---	---	---	---
E-16-11.0 (A2)	11.0	1/4/2002	<0.02	770	---	3.8	2.8	37	210	---	---	---	---	---	---	---	---
E-17-13.0 (A2)	13.0	1/4/2002	0.04	31	---	0.65	0.19	2.5	8.3	---	---	---	---	---	---	---	---
E-18-13.0 (A2)	13.0	1/4/2002	<0.02	17	---	1.2	2.8	1.0	2.2	---	---	---	---	---	---	---	---
E-19-9.0 (A2)	9.0	1/4/2002	0.014	0.54	---	0.002	<0.002	0.004	0.027	---	---	---	---	---	---	---	---
C-1-8.0 (B)	8.0	1/7/2002	<0.5	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-2-8.0 (B)	8.0	1/7/2002	<0.5	<1.0	---	<0.005	<0.005	<0.005	<0.010	---	---	---	---	---	---	---	---
C-3-3.5 (B)	3.5	1/7/2002	<0.5	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-4-8.0 (B)	8.0	1/7/2002	<0.5	290	---	0.15	<0.050	4.9	8.9	---	---	---	---	---	---	---	---
C-5-8.0 (B)	8.0	1/7/2002	<0.5	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-6-4.0 (B)	4.0	1/7/2002	<0.5	6.5	---	<0.005	<0.005	<0.005	<0.010	---	---	---	---	---	---	---	---
C-7-8.0 (B)	8.0	1/7/2002	<0.5	87	---	<0.025	<0.025	0.43	<0.050	---	---	---	---	---	---	---	---
C-8-4.0 (B)	8.0	1/7/2002	<0.5	81	---	0.026	<0.025	0.038	<0.050	---	---	---	---	---	---	---	---
C-9-9.0 (B)	9.0	1/7/2002	0.65	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-10-9.0 (B)	9.0	1/7/2002	<0.5	84	---	0.039	<0.025	0.61	0.27	---	---	---	---	---	---	---	---
C-11-9.0 (B)	9.0	1/7/2002	<0.5	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-12-9.0 (B)	9.0	1/7/2002	<0.5	6.6	---	<0.010	<0.010	0.013	<0.025	---	---	---	---	---	---	---	---
C-13-4.0 (B)	4.0	1/7/2002	<0.5	2.7	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---
C-14-4.0 (B)	4.0	1/7/2002	<0.5	11	---	<0.050	<0.050	<0.050	<0.10	---	---	---	---	---	---	---	---
C-15-8.0 (B)	8.0	1/7/2002	<0.5	250	---	<0.050	<0.050	4.4	4.7	---	---	---	---	---	---	---	---

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	(Concentrations reported in milligrams per kilogram)														Lead	
			MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo (hydraulic O	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB		
H-1-9.0 (B)	9.0	1/17/2002	<0.5	120	---	0.094	<0.025	0.047	0.18	---	14,000	---	---	---	---	---	---	
H-1-11.0 (B)	11.0	1/17/2002	<0.5	210	---	0.2	0.071	2.2	10	---	230	---	---	---	---	---	---	
H-2-9.0 (B)	9.0	1/17/2002	<0.5	32	---	0.015	<0.005	0.048	0.053	---	<10	---	---	---	---	---	---	
H-2-11.0 (B)	11.0	1/17/2002	<0.5	400	---	0.54	0.1	7.3	24	---	78	---	---	---	---	---	---	
H-3-11.0 (B)	11.0	1/17/2002	<0.5	250	---	0.21	0.52	3.1	14	---	<10	---	---	---	---	---	---	
2001 UST Removal																		
T1W-8.5' (A1)	8.5	12/11/2001	0.034	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
T1E-9' (A1)	9.0	12/11/2001	0.14	5.0	---	<0.005	<0.005	0.049	0.04	---	---	---	---	---	---	---	---	
T2W-8.5' (A1)	8.5	12/11/2001	0.12	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
T2E-9' (A1)	9.0	12/11/2001	0.012	<1.0	---	<0.005	0.015	<0.005	0.020	---	---	---	---	---	---	---	---	
T3W-8.5' (A1)	8.5	12/11/2001	0.21	1.8	---	<0.005	<0.005	<0.005	0.015	---	---	---	---	---	---	---	---	
T3E-9' (A1)	9.0	12/11/2001	0.32	1.2	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
D1-4.5' (B)	4.5	12/11/2001	0.35	1,000	---	1.4	0.20	15	5.1	---	---	---	---	---	---	---	---	
D2-4' (B)	4.0	12/11/2001	1.4	270	---	0.18	<0.050	0.11	0.094	---	---	---	---	---	---	---	---	
D3-4.5' (A1)	4.5	12/11/2001	0.058	6.3	---	0.097	0.007	0.036	0.024	---	---	---	---	---	---	---	---	
D4-4.5' (A1)	4.5	12/11/2001	0.021	4.9	---	0.12	<0.005	0.033	0.067	---	---	---	---	---	---	---	---	
P1-4' (A1)	4.0	12/11/2001	0.009	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
P2-4.5' (A1)	4.5	12/11/2001	0.061	<1.0	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
P3-4.5' (A1)	4.5	12/11/2001	<0.005	4.1	---	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	
P4-4.5' (A1)	4.5	12/11/2001	0.13	11	---	0.035	<0.005	0.035	0.012	---	---	---	---	---	---	---	---	
P5-4.5' (A1)	4.5	12/11/2001	0.14	51	---	<0.005	<0.005	<0.005	0.34	---	---	---	---	---	---	---	---	

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo	hydraulic O	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Lead
(Concentrations reported in milligrams per kilogram)																		
2000 Site Investigation																		
SB-4-5.5	5.5	1/7/2000	<0.025	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
SB-4-9.0	9.0	1/7/2000	<1.25	786	244.0	2.27	1.68	8.1	26.5	---	---	---	---	---	---	---	---	---
SB-4-16.0	16.0	1/7/2000	0.893	294	209.0	1.50	4.35	3.88	15.7	---	---	---	---	---	---	---	---	---
SB-4-19.5	19.5	1/7/2000	<0.025	2.08	<1.0	0.212	0.0168	0.0168	0.0167	---	---	---	---	---	---	---	---	---
SB-4-24.5	24.5	1/7/2000	<0.025	<1.0	<1.0	0.00724	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
SB-4B-5.5	5.5	1/7/2000	0.0345 (0.0603)	28.2	27.2	0.0176	<0.01	0.0408	0.0738	---	---	---	---	---	---	---	---	---
SB-4B-10.5	10.5	1/7/2000	<0.125	6.19	<5.0	0.0696	<0.025	0.0915	<0.025	---	---	---	---	---	---	---	---	---
SB-4B-19.0	19.0	1/7/2000	0.0549 (0.233)	<1.0	<5.0	0.0445	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
1998 Product Equipment Upgrades																		
D-1(2.0)	2.0	8/26/1998	2.5 (13)	1,100	---	9.2	4.1	15	61	---	---	---	---	---	---	---	---	---
D-2(2.0)	2.0	8/26/1998	< 6.2	1,500	---	3.6	4.3	7.1	21	---	---	---	---	---	---	---	---	---
D-3(2.0)	2.0	8/26/1998	(1.4)	160	---	1.3	0.61	2.9	2.0	---	---	---	---	---	---	---	---	---
D-4(2.0)	2.0	8/26/1998	0.83	180	---	0.29	0.17	0.10	0.43	---	---	---	---	---	---	---	---	---
1995 Soil and Groundwater Investigation																		
GP-3-8.0	8.0	6/28/1995	---	ND	2.0	0.006	ND	ND	ND	---	---	---	---	---	---	---	---	---
GP-3-12.0	12.0	6/28/1995	---	8.4	3.7	0.13	0.029	0.14	0.36	---	---	---	---	---	---	---	---	---
GP-4-8.0	8.0	6/28/1995	---	7.2	2.9	0.098	0.009	0.054	0.13	---	---	---	---	---	---	---	---	---
GP-4-12.0	12.0	6/28/1995	---	280.0	3.7	ND	3.1	3.9	25	---	---	---	---	---	---	---	---	---
GP-5-8.0	8.0	6/28/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---
GP-5-12.0	12.0	6/28/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---
GP-6-8.0	8.0	6/27/1995	---	87	ND	1.3	2.2	6.6	7.3	---	---	---	---	---	---	---	---	---
GP-6-12.0	12.0	6/27/1995	---	39	ND	ND	0.14	0.29	5.4	---	---	---	---	---	---	---	---	---
GP-7-8.0	8.0	6/27/1995	---	ND	ND	ND	0.15	0.017	180	---	---	---	---	---	---	---	---	---
GP-7-12.0	12.0	6/27/1995	---	840	ND	6.0	20	98	43	---	---	---	---	---	---	---	---	---
GP-8-8.0	8.0	6/28/1995	---	ND	ND	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---
GP-8-12.0	12.0	6/28/1995	---	86	ND	ND	1.0	2.0	15	---	---	---	---	---	---	---	---	---
GP-9-8.0	8.0	6/28/1995	---	190	ND	ND	3.6	13	380	---	---	---	---	---	---	---	---	---
GP-9-12.0	12.0	6/28/1995	---	760	ND	0.71	17	76	41	---	---	---	---	---	---	---	---	---

Table 1 - Historical Soil Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California - Incident #98995746

Sample ID	Depth (fbg)	Date Sampled	MTBE	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	TPHmo	lydraulic O	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Lead
(Concentrations reported in milligrams per kilogram)																		
1993 Monitoring Well Installaion																		
S-2-6.0	6.0	5/21/1993	---	<0.5	<10	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
S-2-10.5	10.5	5/21/1993	---	95	<10	<0.005	<0.005	0.52	0.56	---	---	---	---	---	---	---	---	---
S-2-15.0	15.0	5/21/1993	---	<0.5	<10	<0.005	<0.005	<0.005	0.013	---	---	---	---	---	---	---	---	---
S-3-6.5	6.5	5/21/1993	---	<0.5	<10	<0.005	<0.005	<0.005	<0.005	---	---	---	---	---	---	---	---	---
S-3-11.0	11.0	5/21/1993	---	1,300	36	<0.005	<0.005	35	200	---	---	---	---	---	---	---	---	---
S-3-15.0	15.0	5/21/1993	---	<0.5	<10	<0.005	0.019	0.020	0.11	---	---	---	---	---	---	---	---	---
1992 Monitoring Well Installation																		
S-1-6.0	6.0	11/24/1992	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<1.0	---	---	---	---	---	---	---	---
S-1-11.0	11.0	11/24/1992	---	110	180	0.45	<0.005	2.2	8	390	---	---	---	---	---	---	---	---
S-1-16.0	16.0	11/24/1992	---	2.8	<1.0	<0.050	0.51	0.097	0.50	<1.0	---	---	---	---	---	---	---	---
S-1-21.0	21.0	11/24/1992	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<1.0	---	---	---	---	---	---	---	---
S-1-26.0	26.0	11/24/1992	---	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<1.0	---	---	---	---	---	---	---	---
1992 Waste Oil Tank Removal																		
SW-1	11.0	2/5/1992	---	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	---	---	---	---	---	---	---	---	---

Notes and Abbreviations:

Samples analyzed for:
 MTBE = Methyl tertiary butyl ether by EPA Method 8260 (EPA Method 8020)
 TPHg = Total petroleum hydrocarbons calculated as gasoline by EPA Method 8015 (Modified) through 2002; EPA 8260B after 2002
 TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015 (Modified)
 Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020 (Modified) through 2002; EPA 8260B after 2002
 TPHmo = Total petroleum hydrocarbons as motor oil
 TBA = tertiary-butanol, analyzed by modified EPA Method 8260B.
 DIPE = Di-isopropyl ether, analyzed by modified EPA Method 8260B.
 ETBE = Ethyl tertiary-butyl ether, analyzed by modified EPA Method 8260B.
 TAME = Tertiary-amy methyl ether, analyzed by modified EPA Method 8260B.
 1,2 DCA = 1,2-dichloroethane, analyzed by modified EPA Method 8260B.
 EDB = Ethylene dibromide, analyzed by modified EPA Method 8260B.
 Lead by EPA Method 7421

a = Analysis was performed past the recommended hold time
 b = Quantity of unknown hydrocarbon(s) in sample based on gasoline
 * = Soil samples in boring S-8 were not collected below 10 fbg because the water table in this boring was encountered at approximately 9.5 fbg.
 mg/kg = ppm
 --- = sample not analyzed for this constituent.
 ND = Concentration below reporting limit; reporting limit unknown.

Table 2 - Historical Grab Groundwater Sampling Results - Former Shell-branded Service Station, 4411 Foothill Blvd., Oakland, California

Sample ID	Depth (fbg)	Date Sampled	MTBE	TPHg	TPHd	Benzene	Toluene	Ethyl-		TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Lead
								benzene	Xylenes							
(Concentrations reported in micrograms per liter)																
2006 Subsurface Investigation																
SB-5W-40	40	05/17/06	550 ^a	440	120	1.2	11	1.1	4.2	<5.0	---	---	---	---	---	---
SB-8W-9	9	05/15/06	880	2,800	1,600	350	24	14	22	590	---	---	---	---	---	---
SB-8W-22	22	05/15/06	690	3,400	2,400	490	11	20	32	630	---	---	---	---	---	---
SB-12W	0 - 27*	05/16/06	38	5,900	1,600	3,300 ^a	470	260	420	<25	---	---	---	---	---	---
SB-12W-31	31	05/16/06	3.0	250	260	3.7	2.6	0.55	1.6	<5.0	---	---	---	---	---	---
2005 Subsurface Investigation																
TB-1-W1	20.0	8/29/2005	<50	30,000	---	4,300	240	2,400	2,700	<500	<200	<200	<200	<50	<50	13.4
TB-3-W1	22.0	8/29/2005	890	180,000	---	22,000	9,700	5,200	25,000	<1,000	1,600	<400	<400	<100	<100	3.37

Notes and Abbreviations:

Samples analyzed for:

MTBE = Methyl tertiary butyl ether by EPA Method 8260B

TPHg = Total petroleum hydrocarbons calculated as gasoline by EPA Method 8260B

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015 (Modified)

Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B

TBA = tertiary-butanol, analyzed by modified EPA Method 8260B.

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

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

TAME = Tertiary-amyl methyl ether, analyzed by modified EPA Method 8260B.

1,2 DCA = 1,2-dichloroethane, analyzed by modified EPA Method 8260B.

EDB = Ethylene dibromide, analyzed by modified EPA Method 8260B.

Lead determined by EPA Method 7421

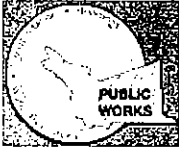
a = The sample was analyzed beyond the industry standard recommended holding time

* = Sample SB-12W was collected from a temporary well casing screening the zone between 0 to 27 fbg

ATTACHMENT A

Drilling Permit

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: 04/20/2006 By Jamesy
Permits Issued: W2006-0301

Receipt Number: WR2006-0180
Permits Valid from 05/15/2006 to 06/22/2006

Application Id: 1145550067744
Site Location: 4411 Foothill Blvd, Oakland, CA 94601

City of Project Site:Oakland

Project Start Date: 05/15/2006
(x-street is High St.)

Completion Date:06/22/2006

Applicant: Cambria - Ron Barone
5900 Hollis St, Emeryville, CA 94608

Phone: 510-420-0700

Property Owner: Bill Phua c/o Jay- Phares
10700 MacArthur Blvd, #200, Oakland, CA 94605

Phone: 510-812-9137

Client: ** same as Property Owner **

Total Due: \$200.00
Total Amount Paid: \$200.00
Payer Name : Cambria Environmental Technology
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Geotechnical Study/CPT's - 8 Boreholes
Driller: Gregg Drilling & Testing - Lic #: 485156 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0301	04/20/2006	08/13/2006	8	3.00 in.	45.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. 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.
4. Applicant shall contact George Cashen for an inspection time at 510-670-6610 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.
5. Permittee, 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.

Alameda County Public Works Agency - Water Resources Well Permit

6. 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.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

ATTACHMENT B

Soil Boring Logs



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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-5
JOB/SITE NAME	Former Shell Branded Service Station	DRILLING STARTED	15-May-06
LOCATION	4411 Foothill Blvd, Oakland	DRILLING COMPLETED	17-May-06
PROJECT NUMBER	248-0897	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Deboer	DEPTH TO WATER (First Encountered)	15.0 fbg (15-May-06)
REVIEWED BY	D. Gibbs, PG #2804	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife 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
0		SB-5-5	5	ML		Gravelly SILT (ML) ; dark yellowish brown (10YR 4/4); dry; 15% clay, 55% silt, 30% coarse-grained gravel; medium plasticity.	7.0	<p>Portland Type III Cement</p> <p>Bottom of Boring @ 44 fbg</p>
0		SB-5-10	10			SILT (ML) ; dark greenish gray (Gley1 4/5g); dry; 30% clay, 65% silt 5% coarse-grained sand; medium plasticity. @ 9 fbg 10% clay, 75% silt, 10% coarse-grained sand, 5% fine-grained gravel; medium plasticity.	11.0	
			13.0			SILT with Sand (ML) ; greenish grey (Gley1 5/5g); dry; 10% clay, 65% silt, 20% coarse-grained sand, 5% fine-grained gravel; medium plasticity.	13.0	
10		SB-5-15	15	SP SM		Poorly Graded SAND with Silt (SP-SM) moist; 10% silt, 80% coarse-grained sand, 10% fine gravel.	16.0	
			17.0			Gravelly SILT (ML) ; yellowish brown (10YR 5/6); dry; 15% clay, 55% silt, 30% coarse gravel; medium plasticity. SILT (ML) ; dry; 30% clay, 70% silt, medium plasticity.	17.0	
0		SB-5-20	20	ML		@ 20 fbg; dry; 40% clay, 55% silt, 5% fine-grained sand; medium plasticity. @ 22 fbg; dry; 30% clay, 60% silt, 10% fine-grained sand; medium plasticity.	24.0	
0		SB-5-23.5	23.5			* Refusal with Geoprobe used for the collection of soil samples was encountered at 24 fbg. Hydropunch sampler was then used in an adjacent boring for the collection of groundwater samples at intervals of 13 - 17 fbg, 31 - 35 fbg, and 40 - 44 fbg; of which only the sample at 40 fbg yielded sufficient groundwater.		
			25					
			30					
			35					
			40					

WELL LOG (PID) G:\OAF450-1\GINTGINT.GPJ DEFAULT.GDT 7/19/06



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	SB-6
JOB/SITE NAME	Former Shell Branded Service Station	DRILLING STARTED	15-May-06
LOCATION	4411 Foothill Blvd, Oakland	DRILLING COMPLETED	17-May-06
PROJECT NUMBER	248-0897	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Deboer	DEPTH TO WATER (First Encountered)	7.5 fbg (15-May-06)
REVIEWED BY	D. Glbbs, PG #2804	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife 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
4		SB-6-5	5	ML		Sandy SILT with Gravel (ML) ; dark brown (10yr 3/3); Dry; 15% clay, 50% silt, 20% coarse-grained sand, 15% coarse-grained gravel; medium plasticity.	5.0	
				SM		Silty SAND (SM) ; dark brown (10yr 3/3); dry; 25% silt, 65% fine-grained sand, 10% fine-grained gravel.	7.0	
				SP		Poorly Graded SAND with Gravel (SP) ; wet; 5% silt, 70% coarse-grained sand, 25% fine-grained gravel, high plasticity.	8.0	
225		SB-6-10	10	ML		Gravelly SILT (ML) ; grayish green with green mottling (Gley 1 5/5g); moist; 60% silt, 40% fine gravel. SILT (ML) ; very dark grayish green (Gley 1 3/5g); dry; 20% clay, 70% silt, 10% fine-grained sand; medium plasticity. @ 12 fbg; 25% clay, 75% silt; medium plasticity.	10.0	
583		SB-6-15	15	SM		Silty SAND (SM) ; dark greenish gray (Gley 1 4/10gy); dry; 30% silt, 70% fine-grained sand.	16.0	
						Silty SAND with Gravel (SM) (Gley 1 4/4); dry; 40% silt, 45% fine-grained sand, 15% coarse gravel.	17.0	
						Silty SAND (ML) ; moist; 30% silt, 70% fine-grained sand.	18.0	
105		SB-6-20	20	ML		SILT with Sand (ML) ; dark yellowish brown with black spotting (10yr 4/6); dry; 25% clay, 60% silt, 15% fine-grained sand; medium plasticity.	23.0	
						SILT (ML) ; dry; 40% clay, 60% silt; medium plasticity.	26.0	
0		SB-6-25	25			* Refusal with Geoprobe used for the collection of soil samples was encountered at 26 fbg. Hydropunch sampler was then used in an adjacent boring for the collection of groundwater samples at intervals of 26 - 30 fbg, 31 - 35 fbg, and 40 - 44 fbg; of which none of these samples yielded sufficient groundwater.	26.0	
			30					
			35					
			40					
								Bottom of Boring @ 44 fbg

WELL LOG (PID) G:\OAF\450-1\GINT\GINT.GPJ DEFAULT.GDT 7/19/06



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	SB-7
JOB/SITE NAME	Former Shell Branded Service Station	DRILLING STARTED	15-May-06
LOCATION	4411 Foothill Blvd, Oakland	DRILLING COMPLETED	18-May-06
PROJECT NUMBER	248-0897	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.25"	SCREENED INTERVALS	NA
LOGGED BY	B. Deboer	DEPTH TO WATER (First Encountered)	15.0 fbg (15-May-06)
REVIEWED BY	D. Gibbs, PG #2804	DEPTH TO WATER (Static)	NA
REMARKS	Air Knife 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
17		SB7-5	5	ML		Sandy SILT with Gravel (ML) dark brown (10yr 3/3); dry; 15% clay, 50% silt, 20% coarse-grained sand, 15% coarse-grained gravel; medium plasticity.	5.0	
						SILT (ML) ; black (10yr 2/1); dry; 20% clay, 70% silt, 10% coarse gravel; medium plasticity.	7.0	
225		SB7-10	10			SILT with Gravel (ML) dark greenish grey (Gley 1 4/5g); dry; 30% clay, 45% silt, 10% fine-grained sand, 15% fine gravel; medium plasticity.	10.0	
						SILT (ML) ; yellowish brown (10yr 5/5g); dry; 35% clay, 50% silt, 10% fine-grained sand, 5% fine gravel, medium plasticity.	11.0	
				SM		Gravelly SILT (ML) ; dry; 30% clay, 45% silt, 10% fine-grained sand, 25% fine gravel; medium plasticity.	12.0	
422		SB7-15	15			Silty SAND [SMT] ; dry; 10% clay, 35% silt, 45% coarse-grained sand, 10% fine gravel; medium plasticity. @ 16 fbg; wet; 15% silt, 85% coarse-grained sand.	16.0	
						Gravelly SILT (ML) ; dry; 15% clay, 55% silt, 30% fine gravel; medium plasticity.	18.0	
7		SB7-20	20	ML		SILT (ML) ; dry; 35% clay, 55% silt, 10% fine-grained sand; high plasticity.	20.0	
							26.0	
0		SB7-25	25				26.0	
						* Refusal with Geoprobe used for the collection of soil samples was encountered at 26 fbg. Hydropunch sampler was then used in an adjacent boring for the collection of groundwater samples at intervals of 24 -28 fbg, 28 - 32 fbg, 32 - 36 fbg, 36 - 40 fbg, and 40 - 44 fbg; of which none of these samples yielded sufficient groundwater.		
								Bottom of Boring @ 44 fbg

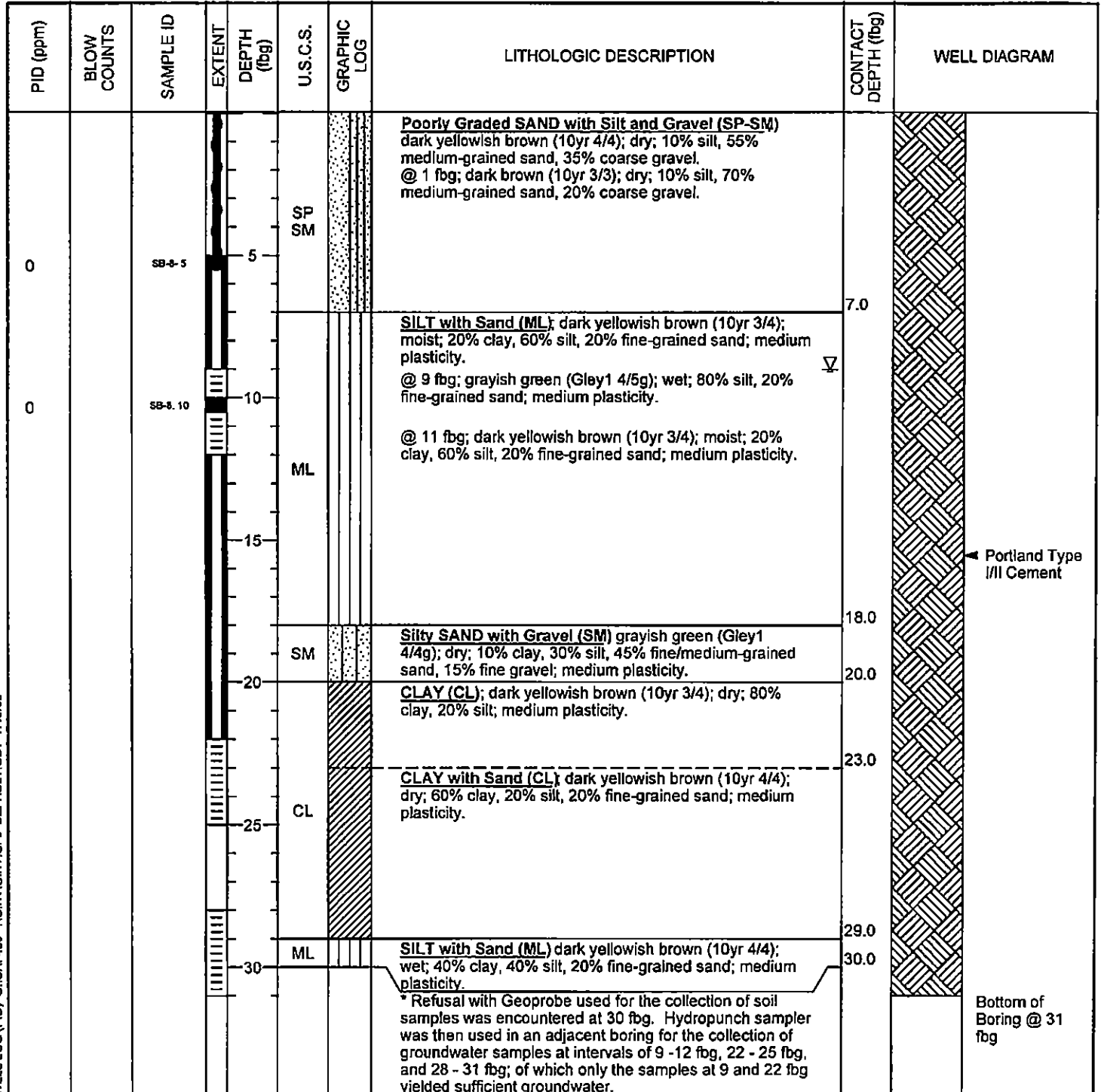
WELL LOG (PID) G:\OAF450-1\GINTGINT.GPJ DEFAULT.GDT 7/19/08



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	SB-8
JOB/SITE NAME	Former Shell Branded Service Station	DRILLING STARTED	15-May-06
LOCATION	4411 Foothill Blvd, Oakland	DRILLING COMPLETED	15-May-06
PROJECT NUMBER	248-0897	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.25'	SCREENED INTERVALS	NA
LOGGED BY	B. Deboer	DEPTH TO WATER (First Encountered)	9.0 fbg (15-May-06) ▽
REVIEWED BY	D. Gibbs, PG #2804	DEPTH TO WATER (Static)	NA ▼
REMARKS	Hand Augered to 5 fbg		



WELL LOG (PID) G:\OAF450-1\GINTGINT.GPJ DEFAULT.GDT 7/19/06



Cambria Environmental Technology, Inc.
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-12
JOB/SITE NAME	Former Shell Branded Service Station	DRILLING STARTED	15-May-06
LOCATION	4411 Foothill Blvd, Oakland	DRILLING COMPLETED	16-May-06
PROJECT NUMBER	248-0897	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	Not Surveyed
BORING DIAMETER	3.25'	SCREENED INTERVALS	NA
LOGGED BY	B. Deboer	DEPTH TO WATER (First Encountered)	11.0 fbg (15-May-06) ▼
REVIEWED BY	D. Gibbs, PG #2804	DEPTH TO WATER (Static)	NA ▼
REMARKS	Hand Augered 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
0		SB-12-5	5	ML		Sandy SILT with Gravel (ML) dark yellowish brown (10yr 3/6); dry; 15% clay, 50% silt, 20% coarse-grained sand; 15% coarse gravel; medium plasticity.		
647		SB-12-10	10	SM		@ 7 fbg; very dark grayish brown (10yr 3/2); dry; 10% clay, 30% silt, 40% coarse-grained sand, 20% coarse gravel; low plasticity.	8.0	
				ML		Silty SAND (SM); dry/moist; 25% silt, 75% coarse-grained sand.	10.0	
				ML		SILT with Sand (ML); grayish green (Gley 1 5/5g); dry; 85% silt, 15% fine-grained sand; medium plasticity.	11.0	
				SM		Silty SAND (SM); moist; 20% silt, 70% coarse-grained sand, 10% fine gravel.	13.0	
				SP SM		Poorly Graded SAND with Silt (SP-SM) dry; 10% silt, 90% fine-grained sand.	15.0	
28		SB-12-15	15	SM		SILT with Sand (ML); moist; 85% silt, 15% fine-grained sand; medium plasticity.	17.0	
				ML		SILT (ML); yellowish brown (10yr 5/6); moist; 40% clay, 60% silt; high plasticity.	19.5	
6		SB-12-20	20	CL		CLAY (CL); dark yellowish brown (10yr 4/6); dry; 90% clay, 10% silt; medium plasticity.	19.5	
0		SB-12-25	25	CL			27.0	
						* Refusal with Geoprobe used for the collection of soil samples was encountered at 27 fbg. Grab groundwater sample was then collected from open bore between 0 -27 fbg. Hydropunch sampler was then used in an adjacent boring for the successful collection of groundwater sample at interval of 31 - 35 fbg.		
								Bottom of Boring @ 35 fbg

WELL LOG (PID) G:\OAF460-1\CINTEGINT.GPJ DEFAULT.GDT 7/19/08

ATTACHMENT C

Laboratory Analytical Reports



14 June, 2006

David Gibbs
Cambria Environmental - 5900 Hollis, Emeryville
5900 Hollis St., Ste. A
Emeryville, CA 94608

RE: Shell 4411 Foothill Blvd, Oakland
Work Order: S605387

Enclosed are the results of analyses for samples received by the laboratory on 05/19/06 13:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew For Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-5-5	S605387-01	Soil	05/17/06 08:30	05/19/06 13:45
SB-5-10	S605387-02	Soil	05/17/06 10:00	05/19/06 13:45
SB-5-15	S605387-03	Soil	05/17/06 10:30	05/19/06 13:45
SB-5-20	S605387-04	Soil	05/17/06 11:15	05/19/06 13:45
SB-5-23.5	S605387-05	Soil	05/17/06 11:30	05/19/06 13:45
SB-SW-40	S605387-06	Water	05/17/06 16:00	05/19/06 13:45
SB-6-5	S605387-07	Soil	05/16/06 12:15	05/19/06 13:45
SB-6-10	S605387-08	Soil	05/16/06 12:25	05/19/06 13:45
SB-6-15	S605387-09	Soil	05/16/06 12:45	05/19/06 13:45
SB-6-20	S605387-10	Soil	05/16/06 13:00	05/19/06 13:45
SB-6-25	S605387-11	Soil	05/16/06 13:30	05/19/06 13:45
SB-7-5	S605387-12	Soil	05/17/06 13:00	05/19/06 13:45
SB-7-10	S605387-13	Soil	05/17/06 13:20	05/19/06 13:45
SB-7-15	S605387-14	Soil	05/17/06 13:40	05/19/06 13:45
SB-7-20	S605387-15	Soil	05/17/06 13:50	05/19/06 13:45
SB-7-25	S605387-16	Soil	05/17/06 14:30	05/19/06 13:45
SB-8-5	S605387-17	Soil	05/15/06 09:50	05/19/06 13:45
SB-8-10	S605387-18	Soil	05/15/06 10:25	05/19/06 13:45
SB-8W-9	S605387-19	Water	05/15/06 14:45	05/19/06 13:45
SB-8W-22	S605387-20	Water	05/15/06 15:30	05/19/06 13:45
SB-12-5	S605387-21	Soil	05/16/06 08:48	05/19/06 13:45
SB-12-10	S605387-22	Soil	05/16/06 09:00	05/19/06 13:45
SB-12-15	S605387-23	Soil	05/16/06 09:05	05/19/06 13:45
SB-12-20	S605387-24	Soil	05/16/06 09:20	05/19/06 13:45
SB-12-25	S605387-25	Soil	05/16/06 10:15	05/19/06 13:45
SB-12W	S605387-26	Water	05/16/06 15:00	05/19/06 13:45
SB-12W-31	S605387-27	Water	05/16/06 14:00	05/19/06 13:45

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5-5 (S605387-01) Soil Sampled: 05/17/06 08:30 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		92 %	50-150		"	"	"	"	
SB-5-10 (S605387-02) Soil Sampled: 05/17/06 10:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	23	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		96 %	50-150		"	"	"	"	
SB-5-15 (S605387-03) Soil Sampled: 05/17/06 10:30 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		95 %	50-150		"	"	"	"	
SB-5-20 (S605387-04) Soil Sampled: 05/17/06 11:15 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		90 %	50-150		"	"	"	"	
SB-5-23.5 (S605387-05) Soil Sampled: 05/17/06 11:30 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		88 %	50-150		"	"	"	"	
SB-SW-40 (S605387-06) Water Sampled: 05/17/06 16:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	120	50	ug/l	1	6050333	05/24/06	05/25/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		94 %	50-150		"	"	"	"	
SB-6-5 (S605387-07) Soil Sampled: 05/16/06 12:15 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	3.0	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		104 %	50-150		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Extractable Hydrocarbons by EPA 8015B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6-10 (S605387-08) Soil Sampled: 05/16/06 12:25 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	5.8	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		94 %	50-150		"	"	"	"	
SB-6-15 (S605387-09) Soil Sampled: 05/16/06 12:45 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		88 %	50-150		"	"	"	"	
SB-6-20 (S605387-10) Soil Sampled: 05/16/06 13:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		96 %	50-150		"	"	"	"	
SB-6-25 (S605387-11) Soil Sampled: 05/16/06 13:30 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		97 %	50-150		"	"	"	"	
SB-7-5 (S605387-12) Soil Sampled: 05/17/06 13:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	2.5	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		115 %	50-150		"	"	"	"	
SB-7-10 (S605387-13) Soil Sampled: 05/17/06 13:20 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	20	2.0	mg/kg	1	6050310	05/23/06	05/23/06	EPA 8015B-SVOA	
Surrogate: Octacosane		229 %	50-150		"	"	"	"	S04
SB-7-15 (S605387-14) Soil Sampled: 05/17/06 13:40 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	110	20	mg/kg	10	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
Surrogate: Octacosane		172 %	50-150		"	"	"	"	S09

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Extractable Hydrocarbons by EPA 8015B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7-20 (S605387-15) Soil Sampled: 05/17/06 13:50 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		99 %	50-150		"	"	"	"	
SB-7-25 (S605387-16) Soil Sampled: 05/17/06 14:30 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		90 %	50-150		"	"	"	"	
SB-8-5 (S605387-17) Soil Sampled: 05/15/06 09:50 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	3.1	2.0	mg/kg	1	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		140 %	50-150		"	"	"	"	
SB-8-10 (S605387-18) Soil Sampled: 05/15/06 10:25 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	3.1	2.0	mg/kg	1	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		111 %	50-150		"	"	"	"	
SB-8W-9 (S605387-19) Water Sampled: 05/15/06 14:45 Received: 05/19/06 13:45 R-02									
Diesel Range Organics (C10-C28)	1600	62	ug/l	1	6050286	05/22/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		104 %	50-150		"	"	"	"	
SB-8W-22 (S605387-20) Water Sampled: 05/15/06 15:30 Received: 05/19/06 13:45 R-02									
Diesel Range Organics (C10-C28)	2400	83	ug/l	1	6050286	05/22/06	05/23/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		89 %	50-150		"	"	"	"	
SB-12-5 (S605387-21) Soil Sampled: 05/16/06 08:48 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	2.1	2.0	mg/kg	1	6050345	05/25/06	05/26/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		97 %	50-150		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Extractable Hydrocarbons by EPA 8015B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-12-10 (S605387-22) Soil Sampled: 05/16/06 09:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	19	2.0	mg/kg	1	6050410	05/30/06	05/30/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		165 %	50-150		"	"	"	"	S04
SB-12-15 (S605387-23) Soil Sampled: 05/16/06 09:05 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050410	05/30/06	05/30/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		88 %	50-150		"	"	"	"	
SB-12-20 (S605387-24) Soil Sampled: 05/16/06 09:20 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	6050410	05/30/06	05/30/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		100 %	50-150		"	"	"	"	
SB-12-25 (S605387-25) Soil Sampled: 05/16/06 10:15 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	4.0	2.0	mg/kg	1	6050410	05/30/06	05/30/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		105 %	50-150		"	"	"	"	
SB-12W (S605387-26) Water Sampled: 05/16/06 15:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	1600	62	ug/l	1	6050311	05/23/06	05/24/06	EPA 8015B-SVOA	R-02
<i>Surrogate: Octacosane</i>		124 %	50-150		"	"	"	"	
SB-12W-31 (S605387-27) Water Sampled: 05/16/06 14:00 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	260	50	ug/l	1	6050311	05/23/06	05/24/06	EPA 8015B-SVOA	
<i>Surrogate: Octacosane</i>		114 %	50-150		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5-5 (S605387-01) Soil Sampled: 05/17/06 08:30 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/30/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		100 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		113 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		99 %	60-140		"	"	"	"	
SB-5-10 (S605387-02) Soil Sampled: 05/17/06 10:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/30/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.020	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.017	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	2.2	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		99 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		117 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		98 %	60-140		"	"	"	"	
SB-5-15 (S605387-03) Soil Sampled: 05/17/06 10:30 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/30/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		100 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		96 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5-20 (S605387-04) Soil Sampled: 05/17/06 11:15 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/30/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		104 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		114 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		99 %	60-140		"	"	"	"	
SB-5-23.5 (S605387-05) Soil Sampled: 05/17/06 11:30 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/31/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		103 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		113 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		95 %	60-140		"	"	"	"	
SB-SW-40 (S605387-06) Water Sampled: 05/17/06 16:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	5.0	ug/l	1	6050430	05/31/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	730	0.50	"	"	"	"	"	"	E
Benzene	1.2	0.50	"	"	"	"	"	"	
Ethylbenzene	1.1	0.50	"	"	"	"	"	"	
Toluene	11	0.50	"	"	"	"	"	"	
Xylenes (total)	4.2	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	440	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		108 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		109 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-SW-40 (S605387-06RE1) Water Sampled: 05/17/06 16:00 Received: 05/19/06 13:45									HT-RD
Methyl tert-butyl ether	550	5.0	ug/l	10	6050430	05/31/06	06/01/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		108 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		103 %	60-140		"	"	"	"	
Surrogate: 4-BFB		106 %	60-140		"	"	"	"	
SB-6-5 (S605387-07) Soil Sampled: 05/16/06 12:15 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		100 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		110 %	60-140		"	"	"	"	
Surrogate: 4-BFB		100 %	60-140		"	"	"	"	
SB-6-10 (S605387-08) Soil Sampled: 05/16/06 12:25 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.25	mg/kg	5	6060028	05/27/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Benzene	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.025	"	"	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		107 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		134 %	60-140		"	"	"	"	
Surrogate: 4-BFB		240 %	60-140		"	"	"	"	S04

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6-10 (S605387-08RE1) Soil Sampled: 05/16/06 12:25 Received: 05/19/06 13:45									
Gasoline Range Organics (C4-C12)	390	100	mg/kg	100	6050392	05/29/06	05/30/06	EPA 8260B	
<i>Surrogate: 1,2-DCA-d4</i>		<i>100 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>117 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: 4-BFB</i>		<i>113 %</i>	<i>60-140</i>		"	"	"	"	
SB-6-15 (S605387-09) Soil Sampled: 05/16/06 12:45 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.068	0.0050	"	"	"	"	"	"	
Toluene	0.010	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.20	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	5.3	1.0	"	"	"	"	"	"	E
<i>Surrogate: 1,2-DCA-d4</i>		<i>99 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>119 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: 4-BFB</i>		<i>96 %</i>	<i>60-140</i>		"	"	"	"	
SB-6-15 (S605387-09RE1) Soil Sampled: 05/16/06 12:45 Received: 05/19/06 13:45									
HT-RD									
Gasoline Range Organics (C4-C12)	ND	5.0	mg/kg	5	6060037	06/01/06	06/01/06	EPA 8260B	
<i>Surrogate: 1,2-DCA-d4</i>		<i>101 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>112 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: 4-BFB</i>		<i>95 %</i>	<i>60-140</i>		"	"	"	"	
SB-6-20 (S605387-10) Soil Sampled: 05/16/06 13:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		<i>108 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		<i>104 %</i>	<i>60-140</i>		"	"	"	"	
<i>Surrogate: 4-BFB</i>		<i>91 %</i>	<i>60-140</i>		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
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 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6-25 (S605387-11) Soil Sampled: 05/16/06 13:30 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		109 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		89 %	60-140		"	"	"	"	
SB-7-5 (S605387-12) Soil Sampled: 05/17/06 13:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050390	05/31/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	0.011	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	7.3	1.0	"	"	"	"	"	"	E
<i>Surrogate: 1,2-DCA-d4</i>		109 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		114 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		170 %	60-140		"	"	"	"	S04
SB-7-5 (S605387-12RE1) Soil Sampled: 05/17/06 13:00 Received: 05/19/06 13:45									
Gasoline Range Organics (C4-C12)	ND	50	mg/kg	50	6050392	06/01/06	06/02/06	EPA 8260B	HT-RD
<i>Surrogate: 1,2-DCA-d4</i>		99 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		94 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7-10 (S605387-13) Soil Sampled: 05/17/06 13:20 Received: 05/19/06 13:45 HT-04									
Tert-butyl alcohol	ND	5.0	mg/kg	100	6050392	06/01/06	06/01/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	3.2	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	3.0	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	290	100	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		106 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		112 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		98 %	60-140		"	"	"	"	
SB-7-15 (S605387-14) Soil Sampled: 05/17/06 13:40 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	5.0	mg/kg	100	6050392	05/29/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	3.7	0.50	"	"	"	"	"	"	
Ethylbenzene	32	0.50	"	"	"	"	"	"	E
Toluene	46	0.50	"	"	"	"	"	"	E
Xylenes (total)	170	1.0	"	"	"	"	"	"	E
Gasoline Range Organics (C4-C12)	3100	100	"	"	"	"	"	"	E
<i>Surrogate: 1,2-DCA-d4</i>		98 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		124 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		134 %	60-140		"	"	"	"	
SB-7-15 (S605387-14RE1) Soil Sampled: 05/17/06 13:40 Received: 05/19/06 13:45 HT-RD									
Ethylbenzene	47	5.0	mg/kg	1000	6050392	05/29/06	06/01/06	EPA 8260B	
Toluene	60	5.0	"	"	"	"	"	"	
Xylenes (total)	270	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	3000	1000	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		102 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		117 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		91 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7-20 (S605387-15) Soil Sampled: 05/17/06 13:50 Received: 05/19/06 13:45									
Tert-butyl alcohol	0.46	0.050	mg/kg	1	6050391	05/31/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	0.034	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		108 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		111 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		92 %	60-140		"	"	"	"	
SB-7-25 (S605387-16) Soil Sampled: 05/17/06 14:30 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050391	05/31/06	05/31/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		108 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		115 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		94 %	60-140		"	"	"	"	
SB-8-5 (S605387-17) Soil Sampled: 05/15/06 09:50 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050388	05/27/06	05/27/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		112 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		101 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
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 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-8-10 (S605387-18) Soil Sampled: 05/15/06 10:25 Received: 05/19/06 13:45									
HT-09									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050388	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		99 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		114 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		103 %	60-140		"	"	"	"	
SB-8W-9 (S605387-19) Water Sampled: 05/15/06 14:45 Received: 05/19/06 13:45									
PH									
Tert-butyl alcohol	590	5.0	ug/l	1	6050394	05/29/06	05/29/06	EPA 8260B	
Benzene	350	0.50	"	"	"	"	"	"	
Ethylbenzene	14	0.50	"	"	"	"	"	"	
Toluene	24	0.50	"	"	"	"	"	"	
Xylenes (total)	22	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	2800	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		105 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		108 %	60-140		"	"	"	"	
SB-8W-9 (S605387-19RE1) Water Sampled: 05/15/06 14:45 Received: 05/19/06 13:45									
Methyl tert-butyl ether	880	10	ug/l	20	6050396	05/29/06	05/29/06	EPA 8260B	
<i>Surrogate: 1,2-DCA-d4</i>		96 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		102 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
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 Project: Shell 4411 Foothill Blvd, Oakland
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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-8W-22 (S605387-20) Water Sampled: 05/15/06 15:30 Received: 05/19/06 13:45									PH
Tert-butyl alcohol	630	25	ug/l	5	6050394	05/29/06	05/29/06	EPA 8260B	
Methyl tert-butyl ether	690	2.5	"	"	"	"	"	"	
Benzene	490	2.5	"	"	"	"	"	"	
Ethylbenzene	20	2.5	"	"	"	"	"	"	
Toluene	11	2.5	"	"	"	"	"	"	
Xylenes (total)	32	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	3400	250	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		94 %		60-140	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		60-140	"	"	"	"	
<i>Surrogate: 4-BFB</i>		104 %		60-140	"	"	"	"	
SB-12-5 (S605387-21) Soil Sampled: 05/16/06 08:48 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		105 %		60-140	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		109 %		60-140	"	"	"	"	
<i>Surrogate: 4-BFB</i>		98 %		60-140	"	"	"	"	
SB-12-10 (S605387-22) Soil Sampled: 05/16/06 09:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	5.0	mg/kg	100	6050392	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	230	100	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		98 %		60-140	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		116 %		60-140	"	"	"	"	
<i>Surrogate: 4-BFB</i>		102 %		60-140	"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-12-15 (S605387-23) Soil Sampled: 05/16/06 09:05 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	0.0014	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0084	0.0050	"	"	"	"	"	"	
Toluene	0.0062	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.014	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		112 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		105 %	60-140		"	"	"	"	
SB-12-20 (S605387-24) Soil Sampled: 05/16/06 09:20 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		104 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		97 %	60-140		"	"	"	"	
SB-12-25 (S605387-25) Soil Sampled: 05/16/06 10:15 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6050389	05/26/06	05/28/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Benzene	0.0074	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		108 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		89 %	60-140		"	"	"	"	

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Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-12W (S605387-26) Water Sampled: 05/16/06 15:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	25	ug/l	5	6050396	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	38	2.5	"	"	"	"	"	"	
Benzene	1500	2.5	"	"	"	"	"	"	E
Ethylbenzene	260	2.5	"	"	"	"	"	"	
Toluene	470	2.5	"	"	"	"	"	"	
Xylenes (total)	420	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	5900	250	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		100 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		96 %	60-140		"	"	"	"	
Surrogate: 4-BFB		101 %	60-140		"	"	"	"	
SB-12W (S605387-26RE1) Water Sampled: 05/16/06 15:00 Received: 05/19/06 13:45 HT-RD									
Benzene	3300	10	ug/l	20	6050396	05/31/06	05/31/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		103 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		97 %	60-140		"	"	"	"	
Surrogate: 4-BFB		98 %	60-140		"	"	"	"	
SB-12W-31 (S605387-27) Water Sampled: 05/16/06 14:00 Received: 05/19/06 13:45									
Tert-butyl alcohol	ND	5.0	ug/l	1	6050396	05/29/06	05/30/06	EPA 8260B	
Methyl tert-butyl ether	3.0	0.50	"	"	"	"	"	"	
Benzene	3.7	0.50	"	"	"	"	"	"	
Ethylbenzene	0.55	0.50	"	"	"	"	"	"	
Toluene	2.6	0.50	"	"	"	"	"	"	
Xylenes (total)	1.6	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	250	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		103 %	60-140		"	"	"	"	
Surrogate: Toluene-d8		95 %	60-140		"	"	"	"	
Surrogate: 4-BFB		104 %	60-140		"	"	"	"	

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Extractable Hydrocarbons by EPA 8015B - Quality Control Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050286 - EPA 3510C / EPA 8015B-SVOA

Blank (6050286-BLK1)										
Prepared & Analyzed: 05/22/06										
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: Octacosane	16.6		"	20.0		83	50-150			
Laboratory Control Sample (6050286-BS1)										
Prepared & Analyzed: 05/22/06										
Diesel Range Organics (C10-C28)	420	50	ug/l	500		84	60-140			
Surrogate: Octacosane	16.7		"	20.0		84	50-150			
Laboratory Control Sample Dup (6050286-BSD1)										
Prepared & Analyzed: 05/22/06										
Diesel Range Organics (C10-C28)	428	50	ug/l	500		86	60-140	2	50	
Surrogate: Octacosane	16.3		"	20.0		82	50-150			

Batch 6050310 - EPA 3550B / EPA 8015B-SVOA

Blank (6050310-BLK1)										
Prepared & Analyzed: 05/23/06										
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg							
Surrogate: Octacosane	0.589		"	0.667		88	50-150			
Laboratory Control Sample (6050310-BS1)										
Prepared & Analyzed: 05/23/06										
Diesel Range Organics (C10-C28)	14.6	2.0	mg/kg	16.7		87	60-140			
Surrogate: Octacosane	0.635		"	0.667		95	50-150			
Matrix Spike (6050310-MS1)										
Source: S605387-03 Prepared & Analyzed: 05/23/06										
Diesel Range Organics (C10-C28)	15.4	2.0	mg/kg	16.7	0.865	87	50-150			
Surrogate: Octacosane	0.643		"	0.667		96	50-150			
Matrix Spike Dup (6050310-MSD1)										
Source: S605387-03 Prepared & Analyzed: 05/23/06										
Diesel Range Organics (C10-C28)	15.6	2.0	mg/kg	16.7	0.865	88	50-150	1	50	
Surrogate: Octacosane	0.631		"	0.667		95	50-150			

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Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050311 - EPA 3510C / EPA 8015B-SVOA
Blank (6050311-BLK1) Prepared: 05/23/06 Analyzed: 05/24/06

Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: Octacosane	17.4		"	20.0		87	50-150			

Laboratory Control Sample (6050311-BS1) Prepared: 05/23/06 Analyzed: 05/24/06

Diesel Range Organics (C10-C28)	453	50	ug/l	500		91	60-140			
Surrogate: Octacosane	18.1		"	20.0		90	50-150			

Laboratory Control Sample Dup (6050311-BSD1) Prepared: 05/23/06 Analyzed: 05/24/06

Diesel Range Organics (C10-C28)	450	50	ug/l	500		90	60-140	0.7	50	
Surrogate: Octacosane	21.5		"	20.0		108	50-150			

Batch 6050333 - EPA 3510C / EPA 8015B-SVOA
Blank (6050333-BLK1) Prepared: 05/24/06 Analyzed: 05/25/06

Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: Octacosane	16.9		"	20.0		84	50-150			

Laboratory Control Sample (6050333-BS1) Prepared: 05/24/06 Analyzed: 05/25/06

Diesel Range Organics (C10-C28)	467	50	ug/l	500		93	60-140			
Surrogate: Octacosane	18.3		"	20.0		92	50-150			

Laboratory Control Sample Dup (6050333-BSD1) Prepared: 05/24/06 Analyzed: 05/25/06

Diesel Range Organics (C10-C28)	498	50	ug/l	500		100	60-140	6	50	
Surrogate: Octacosane	19.4		"	20.0		97	50-150			

Batch 6050345 - EPA 3550B / EPA 8015B-SVOA
Blank (6050345-BLK1) Prepared: 05/25/06 Analyzed: 05/26/06

Diesel Range Organics (C10-C28)	ND	2.0	mg/kg							
Surrogate: Octacosane	0.600		"	0.667		90	50-150			

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**Extractable Hydrocarbons by EPA 8015B - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050345 - EPA 3550B / EPA 8015B-SVOA
Laboratory Control Sample (6050345-BS1) Prepared: 05/25/06 Analyzed: 05/26/06

Diesel Range Organics (C10-C28) 15.3 2.0 mg/kg 16.7 92 60-140

Surrogate: Octacosane 0.614 " 0.667 92 50-150

Matrix Spike (6050345-MS1) Source: S605387-15 Prepared: 05/25/06 Analyzed: 05/26/06

Diesel Range Organics (C10-C28) 16.5 2.0 mg/kg 16.7 1.02 93 50-150

Surrogate: Octacosane 0.685 " 0.667 103 50-150

Matrix Spike Dup (6050345-MSD1) Source: S605387-15 Prepared: 05/25/06 Analyzed: 05/26/06

Diesel Range Organics (C10-C28) 15.8 2.0 mg/kg 16.7 1.02 89 50-150 4 50

Surrogate: Octacosane 0.629 " 0.667 94 50-150

Batch 6050410 - EPA 3550B / EPA 8015B-SVOA
Blank (6050410-BLK1) Prepared & Analyzed: 05/30/06

Diesel Range Organics (C10-C28) ND 2.0 mg/kg

Surrogate: Octacosane 0.542 " 0.667 81 50-150

Laboratory Control Sample (6050410-BS1) Prepared & Analyzed: 05/30/06

Diesel Range Organics (C10-C28) 15.7 2.0 mg/kg 16.7 94 60-140

Surrogate: Octacosane 0.560 " 0.667 84 50-150

Matrix Spike (6050410-MS1) Source: S605387-24 Prepared & Analyzed: 05/30/06

Diesel Range Organics (C10-C28) 15.5 2.0 mg/kg 16.7 1.55 84 50-150

Surrogate: Octacosane 0.606 " 0.667 91 50-150

Matrix Spike Dup (6050410-MSD1) Source: S605387-24 Prepared & Analyzed: 05/30/06

Diesel Range Organics (C10-C28) 16.4 2.0 mg/kg 16.7 1.55 89 50-150 6 50

Surrogate: Octacosane 0.635 " 0.667 95 50-150

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050388 - EPA 5030B [P/T] / EPA 8260B

Blank (6050388-BLK1)										
Prepared: 05/26/06 Analyzed: 05/27/06										
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0107</i>		"	<i>0.0100</i>		<i>107</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0110</i>		"	<i>0.0100</i>		<i>110</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00973</i>		"	<i>0.0100</i>		<i>97</i>	<i>60-140</i>			

Blank (6050388-BLK2)										
Prepared: 05/27/06 Analyzed: 05/28/06										
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0109</i>		"	<i>0.0100</i>		<i>109</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00950</i>		"	<i>0.0100</i>		<i>95</i>	<i>60-140</i>			

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050388 - EPA 5030B [P/T] / EPA 8260B
Blank (6050388-BLK3)

Prepared: 05/29/06 Analyzed: 05/30/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.00977</i>		"	<i>0.0100</i>		<i>98</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0110</i>		"	<i>0.0100</i>		<i>110</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00944</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Laboratory Control Sample (6050388-BS1)

Prepared: 05/26/06 Analyzed: 05/27/06

Methyl tert-butyl ether	0.0412	0.0050	mg/kg	0.0312		132	60-140			
Benzene	0.0263	0.0050	"	0.0212		124	70-130			
Toluene	0.192	0.0050	"	0.184		104	70-130			
Gasoline Range Organics (C4-C12)	2.43	1.0	"	2.20		110	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0102</i>		"	<i>0.0100</i>		<i>102</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0118</i>		"	<i>0.0100</i>		<i>118</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0108</i>		"	<i>0.0100</i>		<i>108</i>	<i>60-140</i>			

Laboratory Control Sample (6050388-BS2)

Prepared & Analyzed: 05/27/06

Methyl tert-butyl ether	0.0352	0.0050	mg/kg	0.0312		113	60-140			
Benzene	0.0223	0.0050	"	0.0212		105	70-130			
Toluene	0.159	0.0050	"	0.184		86	70-130			
Gasoline Range Organics (C4-C12)	2.01	1.0	"	2.20		91	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0111</i>		"	<i>0.0100</i>		<i>111</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0100</i>		"	<i>0.0100</i>		<i>100</i>	<i>60-140</i>			

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Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050388 - EPA 5030B [P/T] / EPA 8260B
Laboratory Control Sample (6050388-BS3)

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0369	0.0050	mg/kg	0.0312		118	60-140			
Benzene	0.0244	0.0050	"	0.0212		115	70-130			
Toluene	0.179	0.0050	"	0.184		97	70-130			
Gasoline Range Organics (C4-C12)	2.50	1.0	"	2.20		114	70-130			
Surrogate: 1,2-DCA-d4	0.0102		"	0.0100		102	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0100		"	0.0100		100	60-140			

Matrix Spike (6050388-MS1)

Source: S605366-23

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0402	0.0050	mg/kg	0.0312	ND	129	60-140			
Benzene	0.0254	0.0050	"	0.0212	ND	120	60-140			
Toluene	0.190	0.0050	"	0.184	ND	103	60-140			
Gasoline Range Organics (C4-C12)	2.35	1.0	"	2.20	ND	107	60-140			
Surrogate: 1,2-DCA-d4	0.0105		"	0.0100		105	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.0102		"	0.0100		102	60-140			

Matrix Spike Dup (6050388-MSD1)

Source: S605366-23

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0389	0.0050	mg/kg	0.0312	ND	125	60-140	3	25	
Benzene	0.0234	0.0050	"	0.0212	ND	110	60-140	8	25	
Toluene	0.173	0.0050	"	0.184	ND	94	60-140	9	25	
Gasoline Range Organics (C4-C12)	2.04	1.0	"	2.20	ND	93	60-140	14	25	
Surrogate: 1,2-DCA-d4	0.0103		"	0.0100		103	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0106		"	0.0100		106	60-140			

Batch 6050389 - EPA 5030B [P/T] / EPA 8260B
Blank (6050389-BLK1)

Prepared: 05/26/06 Analyzed: 05/28/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							

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 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050389 - EPA 5030B [P/T] / EPA 8260B
Blank (6050389-BLK1)

Prepared: 05/26/06 Analyzed: 05/28/06

Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0109</i>		"	<i>0.0100</i>		<i>109</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00950</i>		"	<i>0.0100</i>		<i>95</i>	<i>60-140</i>			

Blank (6050389-BLK2)

Prepared: 05/29/06 Analyzed: 05/30/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.00977</i>		"	<i>0.0100</i>		<i>98</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0110</i>		"	<i>0.0100</i>		<i>110</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00944</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Laboratory Control Sample (6050389-BS1)

Prepared: 05/26/06 Analyzed: 05/27/06

Methyl tert-butyl ether	0.0352	0.0050	mg/kg	0.0312		113	60-140			
Benzene	0.0223	0.0050	"	0.0212		105	70-130			
Toluene	0.159	0.0050	"	0.184		86	70-130			
Gasoline Range Organics (C4-C12)	2.01	1.0	"	2.20		91	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0111</i>		"	<i>0.0100</i>		<i>111</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0100</i>		"	<i>0.0100</i>		<i>100</i>	<i>60-140</i>			

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Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050389 - EPA 5030B [P/T] / EPA 8260B
Laboratory Control Sample (6050389-BS2)

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0369	0.0050	mg/kg	0.0312		118	60-140			
Benzene	0.0244	0.0050	"	0.0212		115	70-130			
Toluene	0.179	0.0050	"	0.184		97	70-130			
Gasoline Range Organics (C4-C12)	2.50	1.0	"	2.20		114	70-130			
Surrogate: 1,2-DCA-d4	0.0102		"	0.0100		102	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0100		"	0.0100		100	60-140			

Matrix Spike (6050389-MS1)

Source: S605366-26

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0404	0.0050	mg/kg	0.0312	ND	129	60-140			
Benzene	0.0183	0.0050	"	0.0212	ND	86	60-140			
Toluene	0.109	0.0050	"	0.184	ND	59	60-140			QM07
Gasoline Range Organics (C4-C12)	1.40	1.0	"	2.20	ND	64	60-140			
Surrogate: 1,2-DCA-d4	0.00949		"	0.0100		95	60-140			
Surrogate: Toluene-d8	0.0115		"	0.0100		115	60-140			
Surrogate: 4-BFB	0.0102		"	0.0100		102	60-140			

Matrix Spike Dup (6050389-MSD1)

Source: S605366-26

Prepared: 05/29/06 Analyzed: 05/30/06

Methyl tert-butyl ether	0.0400	0.0050	mg/kg	0.0312	ND	128	60-140	1	25	
Benzene	0.0130	0.0050	"	0.0212	ND	61	60-140	34	25	QC21
Toluene	0.0857	0.0050	"	0.184	ND	47	60-140	24	25	QM07
Gasoline Range Organics (C4-C12)	1.18	1.0	"	2.20	ND	54	60-140	17	25	QM07
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0101		"	0.0100		101	60-140			

Batch 6050390 - EPA 5030B [P/T] / EPA 8260B
Blank (6050390-BLK1)

Prepared: 05/26/06 Analyzed: 05/28/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050390 - EPA 5030B [P/T] / EPA 8260B

Blank (6050390-BLK1)		Prepared: 05/26/06 Analyzed: 05/28/06								
Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.0106		"	0.0100		106	60-140			
Surrogate: Toluene-d8	0.0106		"	0.0100		106	60-140			
Surrogate: 4-BFB	0.00932		"	0.0100		93	60-140			

Blank (6050390-BLK2)		Prepared & Analyzed: 05/30/06								
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.00964		"	0.0100		96	60-140			
Surrogate: Toluene-d8	0.0111		"	0.0100		111	60-140			
Surrogate: 4-BFB	0.00968		"	0.0100		97	60-140			

Blank (6050390-BLK3)		Prepared: 05/31/06 Analyzed: 06/01/06								
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050390 - EPA 5030B [P/T] / EPA 8260B
Blank (6050390-BLK3)

Prepared: 05/31/06 Analyzed: 06/01/06

Benzene	ND	0.25	mg/kg							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0106		"	0.0100		106	60-140			
Surrogate: Toluene-d8	0.0107		"	0.0100		107	60-140			
Surrogate: 4-BFB	0.00993		"	0.0100		99	60-140			

Laboratory Control Sample (6050390-BS1)

Prepared: 05/26/06 Analyzed: 05/28/06

Methyl tert-butyl ether	0.0333	0.0050	mg/kg	0.0312		107	60-140			
Benzene	0.0216	0.0050	"	0.0212		102	70-130			
Toluene	0.158	0.0050	"	0.184		86	70-130			
Gasoline Range Organics (C4-C12)	1.92	1.0	"	2.20		87	70-130			
Surrogate: 1,2-DCA-d4	0.00964		"	0.0100		96	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0106		"	0.0100		106	60-140			

Laboratory Control Sample (6050390-BS2)

Prepared & Analyzed: 05/30/06

Methyl tert-butyl ether	0.0367	0.0050	mg/kg	0.0312		118	60-140			
Benzene	0.0249	0.0050	"	0.0212		117	70-130			
Toluene	0.191	0.0050	"	0.184		104	70-130			
Gasoline Range Organics (C4-C12)	2.56	1.0	"	2.20		116	70-130			
Surrogate: 1,2-DCA-d4	0.0100		"	0.0100		100	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00996		"	0.0100		100	60-140			

Laboratory Control Sample (6050390-BS3)

Prepared: 05/31/06 Analyzed: 06/01/06

Methyl tert-butyl ether	0.0356	0.0050	mg/kg	0.0312		114	60-140			
Benzene	0.0266	0.0050	"	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			
Surrogate: 1,2-DCA-d4	0.0103		"	0.0100		103	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.0105		"	0.0100		105	60-140			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050390 - EPA 5030B [P/T] / EPA 8260B

Matrix Spike (6050390-MS1)		Source: S605366-47			Prepared: 05/31/06		Analyzed: 06/01/06			
Methyl tert-butyl ether	0.0338	0.0050	mg/kg	0.0312	0.00270	100	60-140			
Benzene	0.0222	0.0050	"	0.0212	ND	105	60-140			
Toluene	0.198	0.0050	"	0.184	ND	108	60-140			
Gasoline Range Organics (C4-C12)	2.24	1.0	"	2.20	ND	102	60-140			
Surrogate: 1,2-DCA-d4	0.0105		"	0.0100		105	60-140			
Surrogate: Toluene-d8	0.0114		"	0.0100		114	60-140			
Surrogate: 4-BFB	0.00931		"	0.0100		93	60-140			

Matrix Spike Dup (6050390-MSD1)		Source: S605366-47			Prepared: 05/31/06		Analyzed: 06/01/06			
Methyl tert-butyl ether	0.0343	0.0050	mg/kg	0.0312	0.00270	101	60-140	1	25	
Benzene	0.0175	0.0050	"	0.0212	ND	83	60-140	24	25	
Toluene	0.153	0.0050	"	0.184	ND	83	60-140	26	25	QC21
Gasoline Range Organics (C4-C12)	1.73	1.0	"	2.20	ND	79	60-140	26	25	QC21
Surrogate: 1,2-DCA-d4	0.0114		"	0.0100		114	60-140			
Surrogate: Toluene-d8	0.0109		"	0.0100		109	60-140			
Surrogate: 4-BFB	0.0103		"	0.0100		103	60-140			

Batch 6050391 - EPA 5030B [P/T] / EPA 8260B

Blank (6050391-BLK1)					Prepared: 05/31/06		Analyzed: 06/01/06			
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0106		"	0.0100		106	60-140			
Surrogate: Toluene-d8	0.0107		"	0.0100		107	60-140			
Surrogate: 4-BFB	0.00993		"	0.0100		99	60-140			

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 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050391 - EPA 5030B [P/T] / EPA 8260B

Blank (6050391-BLK2)			Prepared: 06/01/06 Analyzed: 06/02/06							
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0106</i>		"	<i>0.0100</i>		<i>106</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00936</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Laboratory Control Sample (6050391-BS1)			Prepared: 05/31/06 Analyzed: 06/01/06							
Methyl tert-butyl ether	0.0356	0.0050	mg/kg	0.0312		114	60-140			
Benzene	0.0266	0.0050	"	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0103</i>		"	<i>0.0100</i>		<i>103</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0113</i>		"	<i>0.0100</i>		<i>113</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0105</i>		"	<i>0.0100</i>		<i>105</i>	<i>60-140</i>			

Matrix Spike (6050391-MS1)			Source: S605366-38		Prepared: 05/31/06 Analyzed: 06/01/06					
Methyl tert-butyl ether	0.0267	0.0050	mg/kg	0.0312	ND	86	60-140			
Benzene	0.0208	0.0050	"	0.0212	ND	98	60-140			
Toluene	0.186	0.0050	"	0.184	ND	101	60-140			
Gasoline Range Organics (C4-C12)	2.14	1.0	"	2.20	ND	97	60-140			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0105</i>		"	<i>0.0100</i>		<i>105</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0114</i>		"	<i>0.0100</i>		<i>114</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00971</i>		"	<i>0.0100</i>		<i>97</i>	<i>60-140</i>			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050391 - EPA 5030B [P/T] / EPA 8260B

Matrix Spike Dup (6050391-MSD1)	Source: S605366-38			Prepared: 05/31/06		Analyzed: 06/01/06				
Methyl tert-butyl ether	0.0197	0.0050	mg/kg	0.0312	ND	63	60-140	30	25	QC21
Benzene	0.0153	0.0050	"	0.0212	ND	72	60-140	30	25	QC21
Toluene	0.137	0.0050	"	0.184	ND	74	60-140	30	25	QC21
Gasoline Range Organics (C4-C12)	1.49	1.0	"	2.20	ND	68	60-140	36	25	QC21
Surrogate: 1,2-DCA-d4	0.0102		"	0.0100		102	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00951		"	0.0100		95	60-140			

Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B

Blank (6050392-BLK1)				Prepared: 05/29/06		Analyzed: 05/30/06				
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0125		"	0.0100		125	60-140			
Surrogate: Toluene-d8	0.0127		"	0.0100		127	60-140			
Surrogate: 4-BFB	0.0119		"	0.0100		119	60-140			

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**Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B

Prepared: 06/01/06 Analyzed: 06/02/06

Blank (6050392-BLK2)

Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0106</i>		"	<i>0.0100</i>		<i>106</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00936</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Blank (6050392-BLK3)

Prepared & Analyzed: 06/02/06

Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0101</i>		"	<i>0.0100</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0112</i>		"	<i>0.0100</i>		<i>112</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00937</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B

Laboratory Control Sample (6050392-BS1)				Prepared: 05/29/06 Analyzed: 05/30/06						
Methyl tert-butyl ether	0.0412	0.0050	mg/kg	0.0312		132	60-140			
Benzene	0.0269	0.0050	"	0.0212		127	70-130			
Toluene	0.206	0.0050	"	0.184		112	70-130			
Gasoline Range Organics (C4-C12)	2.77	1.0	"	2.20		126	70-130			
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0109		"	0.0100		109	60-140			
Surrogate: 4-BFB	0.00937		"	0.0100		94	60-140			
Laboratory Control Sample (6050392-BS2)				Prepared & Analyzed: 06/01/06						
Methyl tert-butyl ether	0.0356	0.0050	mg/kg	0.0312		114	60-140			
Benzene	0.0266	0.0050	"	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			
Surrogate: 1,2-DCA-d4	0.0103		"	0.0100		103	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.0105		"	0.0100		105	60-140			
Laboratory Control Sample (6050392-BS3)				Prepared & Analyzed: 06/02/06						
Methyl tert-butyl ether	0.0443	0.0050	mg/kg	0.0312		142	60-140			QC01
Benzene	0.0254	0.0050	"	0.0212		120	70-130			
Toluene	0.207	0.0050	"	0.184		112	70-130			
Gasoline Range Organics (C4-C12)	2.57	1.0	"	2.20		117	70-130			
Surrogate: 1,2-DCA-d4	0.0107		"	0.0100		107	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00957		"	0.0100		96	60-140			
Laboratory Control Sample Dup (6050392-BSD1)				Prepared: 05/29/06 Analyzed: 05/30/06						
Methyl tert-butyl ether	0.0369	0.0050	mg/kg	0.0312		118	60-140	11	25	
Benzene	0.0244	0.0050	"	0.0212		115	70-130	10	25	
Toluene	0.179	0.0050	"	0.184		97	70-130	14	25	
Gasoline Range Organics (C4-C12)	2.50	1.0	"	2.20		114	70-130	10	25	
Surrogate: 1,2-DCA-d4	0.0102		"	0.0100		102	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0100		"	0.0100		100	60-140			

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B

Laboratory Control Sample Dup (6050392-BSD3)				Prepared & Analyzed: 06/02/06						
Methyl tert-butyl ether	0.0254	0.0050	mg/kg	0.0312		81	60-140	54	25	QC20
Benzene	0.0236	0.0050	"	0.0212		111	70-130	7	25	
Toluene	0.189	0.0050	"	0.184		103	70-130	9	25	
Gasoline Range Organics (C4-C12)	2.39	1.0	"	2.20		109	70-130	7	25	
Surrogate: 1,2-DCA-d4	0.0107		"	0.0100		107	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00959		"	0.0100		96	60-140			

Batch 6050394 - EPA 5030B [P/T] / EPA 8260B

Blank (6050394-BLK1)				Prepared & Analyzed: 05/25/06						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	10.1		"	10.0		101	60-140			
Surrogate: Toluene-d8	9.78		"	10.0		98	60-140			
Surrogate: 4-BFB	9.91		"	10.0		99	60-140			

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050394 - EPA 5030B [P/T] / EPA 8260B

Blank (6050394-BLK2)										
										Prepared & Analyzed: 05/29/06
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	9.51		"	10.0		95	60-140			
<i>Surrogate: Toluene-d8</i>	10.5		"	10.0		105	60-140			
<i>Surrogate: 4-BFB</i>	10.3		"	10.0		103	60-140			

Laboratory Control Sample (6050394-BS1)										
										Prepared & Analyzed: 05/25/06
Methyl tert-butyl ether	40.3	0.50	ug/l	31.2		129	60-140			
Benzene	28.1	0.50	"	21.2		133	70-130			QC01
Toluene	180	0.50	"	184		98	70-130			
Gasoline Range Organics (C4-C12)	2390	50	"	2200		109	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	9.72		"	10.0		97	60-140			
<i>Surrogate: Toluene-d8</i>	9.68		"	10.0		97	60-140			
<i>Surrogate: 4-BFB</i>	9.95		"	10.0		100	60-140			

Laboratory Control Sample (6050394-BS2)										
										Prepared & Analyzed: 05/29/06
Methyl tert-butyl ether	40.0	0.50	ug/l	31.2		128	60-140			
Benzene	24.7	0.50	"	21.2		117	70-130			
Toluene	150	0.50	"	184		82	70-130			
Gasoline Range Organics (C4-C12)	2110	50	"	2200		96	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	9.93		"	10.0		99	60-140			
<i>Surrogate: Toluene-d8</i>	9.92		"	10.0		99	60-140			
<i>Surrogate: 4-BFB</i>	10.0		"	10.0		100	60-140			

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050394 - EPA 5030B [P/T] / EPA 8260B

Matrix Spike (6050394-MS1)		Source: S605359-02			Prepared & Analyzed: 05/29/06					
Methyl tert-butyl ether	39.2	0.50	ug/l	31.2	ND	126	60-140			
Benzene	25.2	0.50	"	21.2	ND	119	70-130			
Toluene	156	0.50	"	184	ND	85	70-130			
Gasoline Range Organics (C4-C12)	2140	50	"	2200	17.1	96	60-140			
Surrogate: 1,2-DCA-d4	9.44		"	10.0		94	60-140			
Surrogate: Toluene-d8	9.94		"	10.0		99	60-140			
Surrogate: 4-BFB	10.0		"	10.0		100	60-140			

Matrix Spike Dup (6050394-MSD1)		Source: S605359-02			Prepared & Analyzed: 05/29/06					
Methyl tert-butyl ether	38.3	0.50	ug/l	31.2	ND	123	60-140	2	25	
Benzene	24.5	0.50	"	21.2	ND	116	70-130	3	25	
Toluene	154	0.50	"	184	ND	84	70-130	1	25	
Gasoline Range Organics (C4-C12)	2050	50	"	2200	17.1	92	60-140	4	25	
Surrogate: 1,2-DCA-d4	9.36		"	10.0		94	60-140			
Surrogate: Toluene-d8	10.1		"	10.0		101	60-140			
Surrogate: 4-BFB	10.1		"	10.0		101	60-140			

Batch 6050396 - EPA 5030B [P/T] / EPA 8260B

Blank (6050396-BLK1)		Prepared & Analyzed: 05/29/06								
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	9.51		"	10.0		95	60-140			
Surrogate: Toluene-d8	10.5		"	10.0		105	60-140			
Surrogate: 4-BFB	10.3		"	10.0		103	60-140			

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050396 - EPA 5030B [P/T] / EPA 8260B
Blank (6050396-BLK2)

Prepared: 05/30/06 Analyzed: 05/31/06

Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	10.2		"	10.0		102	60-140			
<i>Surrogate: Toluene-d8</i>	9.91		"	10.0		99	60-140			
<i>Surrogate: 4-BFB</i>	9.94		"	10.0		99	60-140			

Laboratory Control Sample (6050396-BS1)

Prepared & Analyzed: 05/29/06

Methyl tert-butyl ether	40.0	0.50	ug/l	31.2		128	60-140			
Benzene	24.7	0.50	"	21.2		117	70-130			
Toluene	150	0.50	"	184		82	70-130			
Gasoline Range Organics (C4-C12)	2120	50	"	2200		96	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	9.93		"	10.0		99	60-140			
<i>Surrogate: Toluene-d8</i>	9.92		"	10.0		99	60-140			
<i>Surrogate: 4-BFB</i>	10.0		"	10.0		100	60-140			

Laboratory Control Sample (6050396-BS2)

Prepared: 05/30/06 Analyzed: 05/31/06

Methyl tert-butyl ether	22.8	0.50	ug/l	20.0		114	60-140			
Benzene	21.2	0.50	"	20.0		106	70-130			
Toluene	20.8	0.50	"	20.0		104	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	10.2		"	10.0		102	60-140			
<i>Surrogate: Toluene-d8</i>	9.90		"	10.0		99	60-140			
<i>Surrogate: 4-BFB</i>	9.48		"	10.0		95	60-140			

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Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050396 - EPA 5030B [P/T] / EPA 8260B
Laboratory Control Sample Dup (6050396-BSD1)

Prepared & Analyzed: 05/29/06

Methyl tert-butyl ether	36.8	0.50	ug/l	31.2		118	60-140	8	25	
Benzene	24.4	0.50	"	21.2		115	70-130	1	25	
Toluene	146	0.50	"	184		79	70-130	3	25	
Gasoline Range Organics (C4-C12)	2120	50	"	2200		96	70-130	0	25	
<i>Surrogate: 1,2-DCA-d4</i>	<i>9.67</i>		"	<i>10.0</i>		<i>97</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		"	<i>10.0</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>10.4</i>		"	<i>10.0</i>		<i>104</i>	<i>60-140</i>			

Batch 6050430 - EPA 5030B [P/T] / EPA 8260B
Blank (6050430-BLK1)

Prepared & Analyzed: 05/31/06

Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>26.1</i>		"	<i>25.0</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>23.6</i>		"	<i>25.0</i>		<i>94</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>25.7</i>		"	<i>25.0</i>		<i>103</i>	<i>60-140</i>			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050430 - EPA 5030B [P/T] / EPA 8260B
Laboratory Control Sample (6050430-BS1)

Prepared: 05/31/06 Analyzed: 06/01/06

Methyl tert-butyl ether	54.9	0.50	ug/l	52.0		106	60-140			
Benzene	29.6	0.50	"	38.8		76	70-130			
Toluene	171	0.50	"	188		91	70-130			
Gasoline Range Organics (C4-C12)	2810	50	"	2200		128	70-130			
Surrogate: 1,2-DCA-d4	26.0		"	25.0		104	60-140			
Surrogate: Toluene-d8	26.3		"	25.0		105	60-140			
Surrogate: 4-BFB	28.7		"	25.0		115	60-140			

Matrix Spike (6050430-MS1)

Source: S605366-32

Prepared: 05/31/06 Analyzed: 06/01/06

Methyl tert-butyl ether	69.7	0.50	ug/l	52.0	11.7	112	60-140			
Benzene	28.4	0.50	"	38.8	ND	73	70-130			
Toluene	162	0.50	"	188	ND	86	70-130			
Gasoline Range Organics (C4-C12)	2480	50	"	2200	22.3	112	60-140			
Surrogate: 1,2-DCA-d4	26.1		"	25.0		104	60-140			
Surrogate: Toluene-d8	26.0		"	25.0		104	60-140			
Surrogate: 4-BFB	27.6		"	25.0		110	60-140			

Matrix Spike Dup (6050430-MSD1)

Source: S605366-32

Prepared: 05/31/06 Analyzed: 06/01/06

Methyl tert-butyl ether	67.5	0.50	ug/l	52.0	11.7	107	60-140	3	25	
Benzene	28.1	0.50	"	38.8	ND	72	70-130	1	25	
Toluene	161	0.50	"	188	ND	86	70-130	0.6	25	
Gasoline Range Organics (C4-C12)	2560	50	"	2200	22.3	115	60-140	3	25	
Surrogate: 1,2-DCA-d4	25.2		"	25.0		101	60-140			
Surrogate: Toluene-d8	25.8		"	25.0		103	60-140			
Surrogate: 4-BFB	27.7		"	25.0		111	60-140			

Batch 6060028 - EPA 5030B [P/T] / EPA 8260B
Blank (6060028-BLK1)

Prepared: 05/27/06 Analyzed: 05/28/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6060028 - EPA 5030B [P/T] / EPA 8260B
Blank (6060028-BLK1)

Prepared: 05/27/06 Analyzed: 05/28/06

Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.0106		"	0.0100		106	60-140			
Surrogate: Toluene-d8	0.0106		"	0.0100		106	60-140			
Surrogate: 4-BFB	0.00932		"	0.0100		93	60-140			

Laboratory Control Sample (6060028-BS1)

Prepared: 05/27/06 Analyzed: 05/28/06

Methyl tert-butyl ether	0.0333	0.0050	mg/kg	0.0312		107	60-140			
Benzene	0.0216	0.0050	"	0.0212		102	70-130			
Toluene	0.158	0.0050	"	0.184		86	70-130			
Gasoline Range Organics (C4-C12)	1.92	1.0	"	2.20		87	70-130			
Surrogate: 1,2-DCA-d4	0.00964		"	0.0100		96	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0106		"	0.0100		106	60-140			

Batch 6060037 - EPA 5030B [P/T] / EPA 8260B
Blank (6060037-BLK1)

Prepared & Analyzed: 06/01/06

Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0105		"	0.0100		105	60-140			
Surrogate: 4-BFB	0.00956		"	0.0100		96	60-140			

Sequoia Analytical - Sacramento

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Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6060037 - EPA 5030B [P/T] / EPA 8260B

Blank (6060037-BLK2)										
										Prepared & Analyzed: 06/02/06
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0101</i>		"	<i>0.0100</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0112</i>		"	<i>0.0100</i>		<i>112</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00937</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Blank (6060037-BLK3)										
										Prepared & Analyzed: 06/05/06
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0104</i>		"	<i>0.0100</i>		<i>104</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0112</i>		"	<i>0.0100</i>		<i>112</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00977</i>		"	<i>0.0100</i>		<i>98</i>	<i>60-140</i>			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gibbs

 S605387
 Reported:
 06/14/06 15:45

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6060037 - EPA 5030B [P/T] / EPA 8260B
Laboratory Control Sample (6060037-BS1)

Prepared & Analyzed: 06/01/06

Methyl tert-butyl ether	0.0356	0.0050	mg/kg	0.0312		114	60-140			
Benzene	0.0266	0.0050	"	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0103</i>		"	<i>0.0100</i>		<i>103</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0113</i>		"	<i>0.0100</i>		<i>113</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0105</i>		"	<i>0.0100</i>		<i>105</i>	<i>60-140</i>			

Laboratory Control Sample (6060037-BS2)

Prepared & Analyzed: 06/02/06

Methyl tert-butyl ether	0.0254	0.0050	mg/kg	0.0312		81	60-140			
Benzene	0.0236	0.0050	"	0.0212		111	70-130			
Toluene	0.189	0.0050	"	0.184		103	70-130			
Gasoline Range Organics (C4-C12)	2.39	1.0	"	2.20		109	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0107</i>		"	<i>0.0100</i>		<i>107</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0113</i>		"	<i>0.0100</i>		<i>113</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00959</i>		"	<i>0.0100</i>		<i>96</i>	<i>60-140</i>			

Laboratory Control Sample (6060037-BS3)

Prepared & Analyzed: 06/05/06

Methyl tert-butyl ether	0.0443	0.0050	mg/kg	0.0520		85	60-140			
Benzene	0.0272	0.0050	"	0.0388		70	70-130			
Toluene	0.225	0.0050	"	0.188		120	70-130			
Gasoline Range Organics (C4-C12)	2.14	1.0	"	2.20		97	70-130			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.00974</i>		"	<i>0.0100</i>		<i>97</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0112</i>		"	<i>0.0100</i>		<i>112</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.0101</i>		"	<i>0.0100</i>		<i>101</i>	<i>60-140</i>			

Matrix Spike (6060037-MS1)

Source: S605439-39

Prepared & Analyzed: 06/05/06

Methyl tert-butyl ether	0.0380	0.0050	mg/kg	0.0520	ND	73	60-140			
Benzene	0.0244	0.0050	"	0.0388	ND	63	60-140			
Toluene	0.209	0.0050	"	0.188	ND	111	60-140			
Gasoline Range Organics (C4-C12)	1.93	1.0	"	2.20	ND	88	60-140			
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0101</i>		"	<i>0.0100</i>		<i>101</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0110</i>		"	<i>0.0100</i>		<i>110</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00971</i>		"	<i>0.0100</i>		<i>97</i>	<i>60-140</i>			

Cambria Environmental - 5900 Hollis, Emeryville
5900 Hollis St., Ste. A
Emeryville CA, 94608

Project: Shell 4411 Foothill Blvd, Oakland
Project Number: 98995746
Project Manager: David Gibbs

S605387
Reported:
06/14/06 15:45

**Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6060037 - EPA 5030B [P/T] / EPA 8260B

Matrix Spike Dup (6060037-MSD1)	Source: S605439-39			Prepared & Analyzed: 06/05/06						
Methyl tert-butyl ether	0.0337	0.0050	mg/kg	0.0520	ND	65	60-140	12	25	
Benzene	0.0209	0.0050	"	0.0388	ND	54	60-140	15	25	QC02
Toluene	0.179	0.0050	"	0.188	ND	95	60-140	15	25	
Gasoline Range Organics (C4-C12)	1.60	1.0	"	2.20	ND	73	60-140	19	25	
<i>Surrogate: 1,2-DCA-d4</i>	<i>0.0103</i>		"	<i>0.0100</i>		<i>103</i>	<i>60-140</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0111</i>		"	<i>0.0100</i>		<i>111</i>	<i>60-140</i>			
<i>Surrogate: 4-BFB</i>	<i>0.00936</i>		"	<i>0.0100</i>		<i>94</i>	<i>60-140</i>			

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gibbs	S605387 Reported: 06/14/06 15:45
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Notes and Definitions

- S09 The recovery of this surrogate is outside control limits due to sample dilution which was required by high analyte concentration in the sample and/or matrix interference.
- S04 The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
- R-02 The elevated Reporting Limits are due to limited sample volume.
- QM07 The spike recovery was below control limits for the MS and/or MSD due to matrix interference. Re-extraction/re-analysis performed to confirm original MS/MSD results.
- QC21 The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QC20 The RPD was outside control limits.
- QC02 The percent recovery was below the control limits.
- QC01 The percent recovery was above the control limits.
- PH There was insufficient preservative to reduce the sample pH to less than 2. The sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Benzene, Toluene, and Ethylbenzene.
- HT-RD This sample was originally analyzed within the EPA recommended hold time. Re-analysis for dilution was performed past the recommended hold time.
- HT-09 The sample was analyzed beyond the industry standard recommended holding time.
- HT-04 This sample was analyzed beyond the EPA recommended holding time.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

LAB:

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Sacramento, California
- TA - Nashville, Tennessee
- Calscience
- Other _____



SHELL Chain Of Custody Record

SC05387

NAME OF PERSON TO BILL: Denis Brown

- ENVIRONMENTAL SERVICES
- NETWORK DEV / I/E
- COMPLIANCE
- ENV. CONSULTANT
- INST/CRMT

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (S ONLY)
 9 8 9 9 5 7 4 6
 STATE OF ORIGIN

DATE: 5/18/06

PAGE: 1 of 3

SAMPLING COMPANY: Cambria Environmental Technology, Inc.
 LOG CODE: CETO
 ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608
 PROJECT CONTACT (Hardcopy or PDF Report to): David Gibbs
 TELEPHONE: 510-420-3363 FAX: (510) 420-9170 E-MAIL: dgibbs@cambria-env.com

SITE ADDRESS: Street and City: 4411 Foothill Boulevard, Oakland
 State: CA GLOBAL ID NO.: T0600101065
 EDI DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, Cambria, Emeryville
 PHONE NO.: 510-420-3343 EMAIL: shell.em.edf@cambria-env.com
 CONSULTANT PROJECT NO.: 248-0897
 SAMPLER NAME(S) (P-#): B. DeBoer

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
 Please CC results to: bdeboer@cambria-env.com; knouton@cambria-env.com

REQUESTED ANALYSIS

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 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	LUFT6 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	Test for Disposal (see attached)
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													
X	X	X	X	X	X													

FIELD NOTES:
 Container/Preservative or PID Readings or Laboratory Notes
 TEMPERATURE ON RECEIPT C°

Field Sample Identification	SAMPLING		MATRX	NO. OF CONT.
	DATE	TIME		
SB-5-5	5/17	0830	S	1
SB-5-10	5/17	1000	S	1
SB-5-15	5/17	1030	S	1
SB-5-20	5/17	1115	S	1
SB-5-23.5	5/17	1130	S	1
SB-5W-40	5/17	1600	W	7
SB-6-5	5/16	1215	S	1
SB-6-10	5/16	1225	S	1
SB-6-15	5/16	1245	S	1
SB-6-20	5/16	1300	S	1

Relinquished by: (Signature) *Will...*
 Relinquished by: (Signature) *Aloruz*
 Relinquished by: (Signature)

Received by: (Signature) *Aloruz*
 Secure Location
 Received by: (Signature) *Aloruz*
 Received by: (Signature)

Date: 5/17/06 Time: 1805 1105
 Date: 5-19-06 Time: 1345
 Date: Time:

LAB:*

- 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 DEVELOPMENT
- COMPLIANCE
- BILL CONSULTANT
- RPT/CRMT

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 6

SAR: CRMT

DATE: 5/18/06

PAGE: 2 of 3

SAMPLING COMPANY:

Cambria Environmental Technology, Inc.

LOG CODE:

CETO

SITE ADDRESS: Street and City

4411 Foothill Boulevard, Oakland

State

CA

GLOBAL ID NO.:

T0600101065

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.:

248-0897

PROJECT CONTACT (Hardcopy or PDF Report to):

David Gibbs

TELEPHONE:

510-420-3363

FAX:

(510) 420-9170

E-MAIL:

dgibbs@cambria-env.com

SAMPLER NAME(S) (Print):

B. DeBoer

(ES USE ONLY)

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):

- STD
- 5 DAY
- 3 DAY
- 2 DAY
- 24 HOURS

RESULTS NEEDED

ON WEEKEND

REQUESTED ANALYSIS

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

Please CC results to:

bdeboer@cambria-env.com; ~~luculee@cambria-env.com~~

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

LAB # DATE TIME	Field Sample Identification		SAMPLING		MATRX	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 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TOLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°	
	DATE	TIME	DATE	TIME																							
	56-6-25		5/16	1330	S	1	X	X	X		X	X		11													
	56-7-5		5/17	1300	S	1	X	X	X		X	X		12													
	56-7-10		5/17	1320	S	1	X	X	X		X	X		13													
	56-7-15		5/17	1340	S	1	X	X	X		X	X		14													
	56-7-20		5/17	1350	S	1	X	X	X		X	X		15													
	56-7-25		5/17	1430	S	1	X	X	X		X	X		14													
	56-8-5		5/15	0950	S	1	X	X	X		X	X		7													
	56-8-10		5/15	1025	S	1	X	X	X		X	X		8													
	56-842-9		5/15	1445	W	7	X	X	X		X	X		18													
	56-842-22		5/15	1530	W	7	X	X	X		X	X		20													

Relinquished by: (Signature)

Walter J...

Relinquished by: (Signature)

Walter J...

Relinquished by: (Signature)

Received by: (Signature)

Walter J...

Received by: (Signature)

Walter J...

Received by: (Signature)

Date:

5/19/06

Date:

5-19-06

Date:

Time:

1800 1105

Time:

1345

Time:

LAB: ..

- 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 / I/E

COMPLIANCE

BILL CONSULTANT

RISK/CURT

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (RES ONLY)

9 8 9 9 5 7 4 6

SAP: CRM

DATE: 5/16/06

PAGE: 3 of 3

SAMPLING COMPANY: Cambria Environmental Technology, Inc. LOG CODE: CETO

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

PROJECT CONTACT @ Labcopy or PDF Report to: David Gibbs

TELEPHONE: 510-420-3363 FAX: (510) 420-9170 EMAIL: dgibbs@cambria-env.com

SITE ADDRESS: Street and City: 4411 Foothill Boulevard, Oakland State: CA GLOBAL ID NO.: T0600101065

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.: 248-0897

SAMPLER NAME(S) (Print): B. DeBoer

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): RESULTS NEEDED ON WEEKEND

STD 5 DAY 3 DAY 2 DAY 24 HOURS

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

EDD NOT NEEDED

SHELL CONTRACT RATE APPLIES

STATE REIMB RATE APPLIES

RECEIPT VERIFICATION REQUESTED

Please CC results to: bdeboer@cambria-env.com; ~~denisbrown@cambria-env.com~~

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING		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 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°
	DATE	TIME																							
SB-12-5	5/16	0848	S	1	X	X	X	X	X	X															
SB-12-10	5/16	0900	S	1	X	X	X	X	X	X															
SB-12-15	5/16	0905	S	1	X	X	X	X	X	X															
SB-12-20	5/16	0920	S	1	X	X	X	X	X	X															
SB-12-25	5/16	1015	S	1	X	X	X	X	X	X															
SB-12-20 SB-12W	5/16	1500	W	7	X	X	X	X	X	X															
SB-12W-31	5/16	1400	W	7	X	X	X	X	X	X															
					X	X	X	X	X	X															
					X	X	X	X	X	X															

Relinquished by: (Signature) *[Signature]* Received by: (Signature) *[Signature]* Date: 5/16/06 Time: 1800 / 1105

Relinquished by: (Signature) *[Signature]* Received by: (Signature) Date: 5-19-06 Time: 1345

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



14 June, 2006

David Gregory
Cambria Environmental - 5900 Hollis, Emeryville
5900 Hollis St., Ste. A
Emeryville, CA 94608

RE: Shell 4411 Foothill Blvd, Oakland
Work Order: S605408

Enclosed are the results of analyses for samples received by the laboratory on 05/19/06 13:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew For Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

S605408
 Reported:
 06/14/06 15:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1 A,B,C,D	S605408-01	Soil	05/18/06 15:50	05/19/06 13:45

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gregory	S605408 Reported: 06/14/06 15:30
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**Extractable Hydrocarbons by EPA 8015B
 Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 A,B,C,D (S605408-01) Soil Sampled: 05/18/06 15:50 Received: 05/19/06 13:45									
Diesel Range Organics (C10-C28)	4.9	2.0	mg/kg	1	6050410	05/30/06	05/30/06	EPA 8015B-SVOA	
Surrogate: Octacosane		116 %	50-150		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Gasoline\BTEX\Oxygenates by EPA method 8260B
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 A,B,C,D (S605408-01) Soil Sampled: 05/18/06 15:50 Received: 05/19/06 13:45									
Benzene	ND	0.25	mg/kg	50	6050392	05/29/06	06/01/06	EPA 8260B	
Ethylbenzene	ND	0.25	"	"	"	"	"	"	
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	0.50	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		100 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		103 %	60-140		"	"	"	"	
SP-1 A,B,C,D (S605408-01RE1) Soil Sampled: 05/18/06 15:50 Received: 05/19/06 13:45									
Benzene	ND	0.025	mg/kg	5	6060037	06/01/06	06/01/06	EPA 8260B	
Ethylbenzene	0.036	0.025	"	"	"	"	"	"	
Toluene	ND	0.025	"	"	"	"	"	"	
Xylenes (total)	0.12	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	5.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-DCA-d4</i>		103 %	60-140		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		116 %	60-140		"	"	"	"	
<i>Surrogate: 4-BFB</i>		92 %	60-140		"	"	"	"	

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gregory	S605408 Reported: 06/14/06 15:30
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**Total Metals by EPA 6000/7000 Series Methods
 Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 A,B,C,D (S605408-01) Soil Sampled: 05/18/06 15:50 Received: 05/19/06 13:45									
Lead	9.5	5.0	mg/kg	1	6060017	06/01/06	06/05/06	EPA 6010B	

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Extractable Hydrocarbons by EPA 8015B - Quality Control Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6050410 - EPA 3550B / EPA 8015B-SVOA										
Blank (6050410-BLK1)										
Prepared & Analyzed: 05/30/06										
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg							
<i>Surrogate: Octacosane</i>	0.542		"	0.667		81	50-150			
Laboratory Control Sample (6050410-BS1)										
Prepared & Analyzed: 05/30/06										
Diesel Range Organics (C10-C28)	15.7	2.0	mg/kg	16.7		94	60-140			
<i>Surrogate: Octacosane</i>	0.560		"	0.667		84	50-150			
Matrix Spike (6050410-MS1)										
Source: S605387-24										
Prepared & Analyzed: 05/30/06										
Diesel Range Organics (C10-C28)	15.5	2.0	mg/kg	16.7	1.55	84	50-150			
<i>Surrogate: Octacosane</i>	0.606		"	0.667		91	50-150			
Matrix Spike Dup (6050410-MSD1)										
Source: S605387-24										
Prepared & Analyzed: 05/30/06										
Diesel Range Organics (C10-C28)	16.4	2.0	mg/kg	16.7	1.55	89	50-150	6	50	
<i>Surrogate: Octacosane</i>	0.635		"	0.667		95	50-150			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B
Blank (6050392-BLK1)

Prepared: 05/29/06 Analyzed: 05/30/06

Benzene	ND	0.25	mg/kg							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0125		"	0.0100		125	60-140			
Surrogate: Toluene-d8	0.0127		"	0.0100		127	60-140			
Surrogate: 4-BFB	0.0119		"	0.0100		119	60-140			

Blank (6050392-BLK2)

Prepared: 06/01/06 Analyzed: 06/02/06

Benzene	ND	0.25	mg/kg							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0106		"	0.0100		106	60-140			
Surrogate: Toluene-d8	0.0104		"	0.0100		104	60-140			
Surrogate: 4-BFB	0.00936		"	0.0100		94	60-140			

Blank (6050392-BLK3)

Prepared & Analyzed: 06/02/06

Benzene	ND	0.25	mg/kg							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.00937		"	0.0100		94	60-140			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B
Laboratory Control Sample (6050392-BS1)

Prepared: 05/29/06 Analyzed: 05/30/06

Benzene	0.0269	0.0050	mg/kg	0.0212		127	70-130			
Toluene	0.206	0.0050	"	0.184		112	70-130			
Gasoline Range Organics (C4-C12)	2.77	1.0	"	2.20		126	70-130			

Surrogate: 1,2-DCA-d4 0.0101 " 0.0100 101 60-140

Surrogate: Toluene-d8 0.0109 " 0.0100 109 60-140

Surrogate: 4-BFB 0.00937 " 0.0100 94 60-140

Laboratory Control Sample (6050392-BS2)

Prepared & Analyzed: 06/01/06

Benzene	0.0266	0.0050	mg/kg	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			

Surrogate: 1,2-DCA-d4 0.0103 " 0.0100 103 60-140

Surrogate: Toluene-d8 0.0113 " 0.0100 113 60-140

Surrogate: 4-BFB 0.0105 " 0.0100 105 60-140

Laboratory Control Sample (6050392-BS3)

Prepared & Analyzed: 06/02/06

Benzene	0.0254	0.0050	mg/kg	0.0212		120	70-130			
Toluene	0.207	0.0050	"	0.184		112	70-130			
Gasoline Range Organics (C4-C12)	2.57	1.0	"	2.20		117	70-130			

Surrogate: 1,2-DCA-d4 0.0107 " 0.0100 107 60-140

Surrogate: Toluene-d8 0.0113 " 0.0100 113 60-140

Surrogate: 4-BFB 0.00957 " 0.0100 96 60-140

Laboratory Control Sample Dup (6050392-BSD1)

Prepared: 05/29/06 Analyzed: 05/30/06

Benzene	0.0244	0.0050	mg/kg	0.0212		115	70-130	10	25	
Toluene	0.179	0.0050	"	0.184		97	70-130	14	25	
Gasoline Range Organics (C4-C12)	2.50	1.0	"	2.20		114	70-130	10	25	

Surrogate: 1,2-DCA-d4 0.0102 " 0.0100 102 60-140

Surrogate: Toluene-d8 0.0112 " 0.0100 112 60-140

Surrogate: 4-BFB 0.0100 " 0.0100 100 60-140

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6050392 - EPA 5030B [MeOH] / EPA 8260B
Laboratory Control Sample Dup (6050392-BSD3)

Prepared & Analyzed: 06/02/06

Benzene	0.0236	0.0050	mg/kg	0.0212		111	70-130	7	25	
Toluene	0.189	0.0050	"	0.184		103	70-130	9	25	
Gasoline Range Organics (C4-C12)	2.39	1.0	"	2.20		109	70-130	7	25	
Surrogate: 1,2-DCA-d4	0.0107		"	0.0100		107	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00959		"	0.0100		96	60-140			

Batch 6060037 - EPA 5030B [P/T] / EPA 8260B
Blank (6060037-BLK1)

Prepared & Analyzed: 06/01/06

Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0105		"	0.0100		105	60-140			
Surrogate: 4-BFB	0.00956		"	0.0100		96	60-140			

Blank (6060037-BLK2)

Prepared & Analyzed: 06/02/06

Benzene	ND	0.25	mg/kg							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.00937		"	0.0100		94	60-140			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6060037 - EPA 5030B [P/T] / EPA 8260B

Blank (6060037-BLK3)			Prepared & Analyzed: 06/05/06							
Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	0.0104		"	0.0100		104	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.00977		"	0.0100		98	60-140			

Laboratory Control Sample (6060037-BS1)			Prepared & Analyzed: 06/01/06							
Benzene	0.0266	0.0050	mg/kg	0.0212		125	70-130			
Toluene	0.234	0.0050	"	0.184		127	70-130			
Gasoline Range Organics (C4-C12)	2.71	1.0	"	2.20		123	70-130			
Surrogate: 1,2-DCA-d4	0.0103		"	0.0100		103	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.0105		"	0.0100		105	60-140			

Laboratory Control Sample (6060037-BS2)			Prepared & Analyzed: 06/02/06							
Benzene	0.0236	0.0050	mg/kg	0.0212		111	70-130			
Toluene	0.189	0.0050	"	0.184		103	70-130			
Gasoline Range Organics (C4-C12)	2.39	1.0	"	2.20		109	70-130			
Surrogate: 1,2-DCA-d4	0.0107		"	0.0100		107	60-140			
Surrogate: Toluene-d8	0.0113		"	0.0100		113	60-140			
Surrogate: 4-BFB	0.00959		"	0.0100		96	60-140			

Laboratory Control Sample (6060037-BS3)			Prepared & Analyzed: 06/05/06							
Benzene	0.0272	0.0050	mg/kg	0.0388		70	70-130			
Toluene	0.225	0.0050	"	0.188		120	70-130			
Gasoline Range Organics (C4-C12)	2.14	1.0	"	2.20		97	70-130			
Surrogate: 1,2-DCA-d4	0.00974		"	0.0100		97	60-140			
Surrogate: Toluene-d8	0.0112		"	0.0100		112	60-140			
Surrogate: 4-BFB	0.0101		"	0.0100		101	60-140			

Cambria Environmental - 5900 Hollis, Emeryville
 5900 Hollis St., Ste. A
 Emeryville CA, 94608

 Project: Shell 4411 Foothill Blvd, Oakland
 Project Number: 98995746
 Project Manager: David Gregory

 S605408
 Reported:
 06/14/06 15:30

**Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6060037 - EPA 5030B [P/T] / EPA 8260B										
Matrix Spike (6060037-MS1)		Source: S605439-39			Prepared & Analyzed: 06/05/06					
Benzene	0.0244	0.0050	mg/kg	0.0388	ND	63	60-140			
Toluene	0.209	0.0050	"	0.188	ND	111	60-140			
Gasoline Range Organics (C4-C12)	1.93	1.0	"	2.20	ND	88	60-140			
Surrogate: 1,2-DCA-d4	0.0101		"	0.0100		101	60-140			
Surrogate: Toluene-d8	0.0110		"	0.0100		110	60-140			
Surrogate: 4-BFB	0.00971		"	0.0100		97	60-140			
Matrix Spike Dup (6060037-MSD1)		Source: S605439-39			Prepared & Analyzed: 06/05/06					
Benzene	0.0209	0.0050	mg/kg	0.0388	ND	54	60-140	15	25	QC02
Toluene	0.179	0.0050	"	0.188	ND	95	60-140	15	25	
Gasoline Range Organics (C4-C12)	1.60	1.0	"	2.20	ND	73	60-140	19	25	
Surrogate: 1,2-DCA-d4	0.0103		"	0.0100		103	60-140			
Surrogate: Toluene-d8	0.0111		"	0.0100		111	60-140			
Surrogate: 4-BFB	0.00936		"	0.0100		94	60-140			

Cambria Environmental - 5900 Hollis, Emeryville 5900 Hollis St., Ste. A Emeryville CA, 94608	Project: Shell 4411 Foothill Blvd, Oakland Project Number: 98995746 Project Manager: David Gregory	S605408 Reported: 06/14/06 15:30
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**Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 6060017 - EPA 3050B / EPA 6010B									
Blank (6060017-BLK1)					Prepared: 06/01/06 Analyzed: 06/05/06				
Lead	ND	5.0	mg/kg						
Laboratory Control Sample (6060017-BS1)					Prepared: 06/01/06 Analyzed: 06/05/06				
Lead	103	5.0	mg/kg	100	103	80-120			
Matrix Spike (6060017-MS1)					Prepared: 06/01/06 Analyzed: 06/05/06				
Lead	87.8	5.0	mg/kg	100	9.47	78	75-125		
Matrix Spike Dup (6060017-MSD1)					Prepared: 06/01/06 Analyzed: 06/05/06				
Lead	89.0	5.0	mg/kg	100	9.47	80	75-125	1	20

Cambria Environmental - 5900 Hollis, Emeryville
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Notes and Definitions

QC02 The percent recovery was below the control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

- LAB:
- TA - Irvine, California
 - TA - Morgan Hill, California
 - TA - Sacramento, California
 - TA - Nashville, Tennessee
 - Calscience
 - Other _____



SHELL Chain Of Custody Record

0605408

NAME OF PERSON TO BILL: Denis Brown

ENVIRONMENTAL SERVICES CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

NETWORK/DEV/FE BLD. CONSULTANT

COMPLIANCE RM/CAMT

INCIDENT # YES ONLY: 9 8 9 9 5 7 4 6

DATE: 5/18/06

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc. LOG CODE: CETO

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

PROJECT CONTACT (If hardcopy or PDF Report to): David Gibbs

TELEPHONE: 510-420-3363 FAX: (510) 420-9170 E-MAIL: dgibbs@Cambria-env.com

SITE ADDRESS: Street and City: 4411 Foothill Boulevard, Oakland State: CA GLOBAL ID NO.: T0600101065

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.: 248-0897

SAMPLER NAME(S) (Print): B. DeBoer

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): RESULTS NEEDED

STD 5 DAY 3 DAY 2 DAY 24 HOURS 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

Please CC results to: hdeboer@cambria-env.com; knewton@cambria-env.com

REQUESTED ANALYSIS

TPH - Purgeable (\$260B)	TPH - Extractable (\$015M)	BTEX (\$260B)	5 OXYGENATES (\$260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (\$260B)	TBA (\$260B)	DIPE (\$260B)	TAME (\$260B)	ETBE (\$260B)	1,2 DCA (\$260B)	EDB (\$260B)	Ethanol (\$260B)	Methanol (\$015M)	VOCs by \$260B	Semi-Volatiles by \$270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
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FIELD USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (\$260B)	TPH - Extractable (\$015M)	BTEX (\$260B)	5 OXYGENATES (\$260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (\$260B)	TBA (\$260B)	DIPE (\$260B)	TAME (\$260B)	ETBE (\$260B)	1,2 DCA (\$260B)	EDB (\$260B)	Ethanol (\$260B)	Methanol (\$015M)	VOCs by \$260B	Semi-Volatiles by \$270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT °C
		DATE	TIME																						
	SP-1A	5/18	1550	Soil	1																			X	Composite 4 into 1 and name SP-1
	SP-1B	5/18	1550	Soil	1																			X	
	SP-1C	5/18	1550	Soil	1																			X	
	SP-1D	5/18	1550	Soil	1																			X	

Relinquished by: (Signature)	Received by: (Signature)	Date: 5/18/06	Time: 1500/1105
Relinquished by: (Signature)	Secure Location	Date: 5-19-06	Time: 1345
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time: