

April 4, 2006

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

**RECEIVED***By lopprojectop at 9:50 am, Apr 10, 2006*

Re: **Plume Delineation Report, Risk Evaluation,  
and Request for Closure**  
Shell-branded Service Station  
630 High Street  
Oakland, California  
SAP Code 135693  
Incident No. 98995751  
ACHCSA # 13-5693



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 to further assess soil and groundwater conditions at the above-referenced site. This document also includes an evaluation of the potential risk to receptors from the site and, based on the evaluation results, a request for case closure. The investigation was conducted in accordance with Cambria's September 13, 2005 *Plume Delineation Work Plan*, which was requested by Alameda County Health Care Services Agency (ACHCSA) in correspondence dated August 1, 2005 in response to recommendations presented in Cambria's July 14, 2005 *Groundwater Monitoring Report-Second Quarter 2005 and Well Destruction Request*. The work plan was approved by ACHCSA in correspondence dated September 27, 2005. The work was performed in accordance with ACHCSA and Regional Water Quality Control Board (RWQCB) guidelines.

## **SITE LOCATION AND DESCRIPTION**

**Site Location:** This active Shell-branded service station is located on the western corner of the intersection of High Street and Jensen Street in Oakland, California, adjacent to Interstate Highway 880 (Figures 1 and 2). The site is surrounded primarily by commercial and industrial development.

**Site Lithology:** The site lithology consists of interbedded clays, silty clays, clayey silts, silts, and sandy silts to approximately 10 to 20 feet below grade (fbg), underlain predominantly by clayey silt with interbedded layers of clay, silty clay, silts, and sandy silts to the total explored depth of 45 fbg.

**Cambria  
Environmental  
Technology, Inc.**

270 Perkins Street  
Sonoma, CA 95476  
Tel (707) 935-4850  
Fax (707) 935-6649

**Groundwater Depth and Flow Direction:** Historically, groundwater depth has ranged from approximately 3.9 to 13.2 fbg. As demonstrated by the Rose Diagram on Figures 2 and 3, groundwater flow direction at the site consistently ranges from west to northwest.

## SITE BACKGROUND AND PROJECT HISTORY

The locations of historical samples and excavation discussed below are presented on figures included in Appendix A, for reference. The construction specifications for each boring and well at this site is summarized on Table 1. Cumulative soil and grab groundwater analytical data are presented on Tables 2 and 3, respectively. The historical groundwater monitoring data table is included in Appendix A.



**January 1989 Dispenser and Piping Removal and Replacement, and Waste Oil Tank Removal:**

In January 1989, soil samples were collected from beneath each of the dispensers and product piping runs at the site during dispenser and piping replacement. Maximum reported concentrations in soil of total petroleum hydrocarbons as gasoline (TPHg) and benzene were 75 milligrams per kilogram (mg/kg) and 3.6 mg/kg, respectively. A soil sample collected from beneath the waste oil tank (WOT) contained 600 mg/kg total oil and grease (TOG).

**February 1989 Waste Oil Tank Overexcavation:** In February 1989, additional excavation was completed around the former WOT. Soil samples collected from the excavation contained a maximum of 41 mg/kg total petroleum hydrocarbons as diesel (TPHd). A grab groundwater sample collected from the open excavation contained 1,800 micrograms per liter ( $\mu\text{g/l}$ ) TPHg, 170  $\mu\text{g/l}$  benzene, and 200  $\mu\text{g/l}$  TPHd.

**April 1989 Subsurface Investigation:** In April 1989, Converse Environmental Consultants California (CECC) of San Francisco, California installed two soil borings (SB-1 and SB-2) within the former underground storage tank (UST) pit and four monitoring wells (MW-1, MW-2, MW-3, and MW-4) at the site. The maximum TPHd, TPHg, and benzene concentrations reported in soil samples collected were 27 mg/kg, 63 mg/kg, and 0.046 mg/kg, respectively.

**August 1989 Subsurface Investigation:** In August 1989, Converse Environmental West (CEW) (formerly CECC) installed one soil boring (SB-3) and four monitoring wells (MW-5, MW-6, MW-7, and MW-8) at the site. No TPHd, TPHg, or benzene was reported in the soil samples collected during this investigation.



**November 1989 Subsurface Investigation:** In November 1989, CEW installed one soil boring (SB-4) and two monitoring wells (MW-9 and MW-10) at the site. Maximum TPHd concentration reported in soil samples collected was 380 mg/kg in the soil sample collected from 9 fbg in monitoring well MW-10. No TPHg or benzene was reported in the soil samples collected during this investigation.

**2001 Sensitive Receptor Survey:** During the fourth quarter 2001, Shell voluntarily requested that Cambria conduct a sensitive receptor survey for the site vicinity. Cambria identified surface water bodies and known water producing wells within a ½-mile radius of the site. Based on a review of the USGS Oakland West Quadrangle topographic map, the nearest surface water body is a tidal canal, with the closest point located approximately 1,400 feet southwest of the site.

Cambria also reviewed California Department of Water Resources (DWR) files to locate records of municipal and private wells within a ½-mile radius of the site. The DWR provided 13 well completion report forms or equivalents, some of which documented multiple wells. Forms were provided for one boring, and for nine test holes and one well of unknown use installed in one location (Figure 1). In addition, one form was provided for nine test holes at an unidentified location, and one form was provided which listed only lithology to a depth of 286 fbg with no legible location or use information. The remaining nine reports provided by the DWR were for wells located outside the study area, none of which are shown on Figure 1. Results of the well survey were reported in Cambria's February 8, 2002 *Fourth Quarter 2001 Monitoring Report*.

**November 2002 UST, Dispenser and Piping Upgrades, and Over-Excavation Activities:** During UST, dispenser and piping upgrade activities in November 2002, soil samples were collected from beneath each of the UST's, dispensers and product piping runs at the site. Additionally, over-excavation was completed both in the tank pit area to a depth of 17 fbg and in the vicinity of one of the pump islands to a depth of approximately 13 fbg. In the tank pit area, the maximum reported TPHg concentration in soil was 110 mg/kg. A water sample collected from the tank pit area reported 500 µg/l TPHg, 7,700 µg/l TPHd, 1,200 µg/l methyl tertiary butyl ether (MTBE), and 6.6 µg/l benzene. In the dispenser locations the maximum reported concentrations in soil were 320 mg/kg TPHg, 1,400 mg/kg TPHd, and 0.31 mg/kg of benzene. In the piping removal areas, the maximum reported TPHg and TPHd concentrations in soil were 250 mg/kg and 180 mg/kg, respectively. In the over-excavated area near well MW-3, the maximum TPHg, TPHd, and benzene concentrations in soil were 2,100 mg/kg, 3,600 mg/kg, and 0.22 mg/kg, respectively. A water sample collected from the MW-3 area reported 8,300 µg/l TPHg, 160,000 µg/l TPHd, 190 µg/l MTBE, and 51 µg/l benzene.



**2003 Conduit Study:** In May of 2003, Cambria performed a utility survey for the site to evaluate the presence of potential preferential groundwater migration pathways and, if necessary, to aid in the determination of appropriate locations for soil borings to evaluate the potential for contaminant migration from the site. The utility survey consisted of site reconnaissance and a review of maps and plans from the various entities that own subsurface utilities near the site to determine conduit locations, depths, and diameters (Figure 2). The study identified four sanitary sewer, two storm drain, a petroleum, three water, numerous communication and electric, and two gas conduits in the vicinity. The study concluded that the sanitary sewer and storm drain lines in the vicinity of the site could encounter groundwater at least seasonally, and that considering the predominant groundwater gradient direction and the layout of the utilities, it is possible that the utility trenches could serve intermittently as preferential pathways for the migration of groundwater and MTBE. However, the study also noted that MTBE concentrations at the site attenuated two orders of magnitude between well MW-3 and well MW-6, located approximately 80 feet downgradient of MW-3, and attenuated an additional two orders of magnitude to below detection limits from well MW-3 to well MW-7, located approximately 190 feet downgradient and near the northwest corner of the site. Based on this attenuation, the study concluded that MTBE concentrations in the groundwater encountering the utilities were expected to be low. The results of the utility survey were reported in Cambria's May 16, 2003 *Conduit Study Report*.

**October 2005 Well Destructions:** In October of 2005, with concurrence from ACHCSA, Cambria destroyed monitoring wells MW-2, MW-8, MW-9, and MW-10, because they were either located on property being purchased by Caltrans or because petroleum hydrocarbons had not been detected in the wells. The details were reported in Cambria's November 9, 2005 *Monitoring Well Destruction Report*.

**Groundwater Monitoring:** Groundwater monitoring has been ongoing at this site since the first quarter 1991. Historical maximum concentrations have been observed as follows: 15,000  $\mu\text{g/l}$  TPHg in MW-1 (11/92), 2,410  $\mu\text{g/l}$  benzene in MW-3 (8/99), and 38,000  $\mu\text{g/l}$  MTBE in MW-3 (4/00). During the fourth quarter 2005, the maximum TPHg, benzene, and MTBE concentrations detected in groundwater samples collected at the site were 3,180  $\mu\text{g/l}$ , 26.3  $\mu\text{g/l}$ , and 186  $\mu\text{g/l}$ , respectively, all reported in well MW-1. This reflects a significant reduction in contaminant concentrations at the site. Select wells were analyzed for TBA during the third quarter 2005 sampling event with well MW-1 reporting 230  $\mu\text{g/l}$  and well MW-3 reporting 1,900  $\mu\text{g/l}$ . Historically, select wells were sampled for TPHd between 1991 and 1993, and again in 2003. Results ranged from below detection limits to a maximum of 21,000  $\mu\text{g/l}$  in MW-1. The majority of the historical samples which exhibited TPHd also had associated laboratory notes indicating that the samples were not characteristic of standard diesel chromatographic patterns and characterized the compounds as that of either weathered gasoline, diesel, or motor oil.



During the fourth quarter 2005 sample event, at the request of ACHCSA, TPHd was again added to the analytical suite for select wells with the addition of silica gel cleanup. TPHd was reported in wells MW-1, MW-3, and MW-5 at 2,790  $\mu\text{g/l}$ , 864  $\mu\text{g/l}$ , and 208  $\mu\text{g/l}$ , respectively.

In correspondence dated August 1, 2005, ACHCSA requested a work plan or response related to further evaluation of preferential pathways, specifically to define the lateral extent of MTBE along the northwest boundary to assess the potential for MTBE to migrate offsite. In response to this request Cambria submitted the September 13, 2005 *Plume Delineation Work Plan* which proposed to define the extent of MTBE impact along the northwest boundary of the site and thus evaluate whether contaminants are entering preferential pathways at concentrations of significance, and to assess the vertical extent of impact on the site. The work plan was approved by ACHCSA in a letter dated September 27, 2005, with a request for the submittal of the technical report by February 24, 2006. In correspondence dated January 25, 2006, Cambria requested an extension for the submittal of the technical report to April 7, 2006. The extension request was granted by ACHCSA in electronic correspondence dated February 3, 2006. The results from the field activities are presented below.

## INVESTIGATION RESULTS

<b><i>Personnel Present</i></b>	Cambria Geologist Kevin Taylor directed field activities, working under the supervision of California Professional Geologist Ana Friel (PG 6452).
<b><i>Permits:</i></b>	Cambria obtained soil boring installation permit #W2005-1172 from the Alameda County Public Works Agency (copy is included in Appendix B).
<b><i>Drilling Companies:</i></b>	Gregg Drilling, Inc. and Gregg In Situ, Inc. of Martinez, California (C57 License Nos. 485165 and 656407, respectfully).
<b><i>Drilling Dates:</i></b>	January 17, 18, and 23, 2006.
<b><i>Drilling Methods:</i></b>	Cone Penetration Test (CPT).
<b><i>Number of Borings:</i></b>	Five CPT borings (SB-5 through SB-9) were advanced. The boring specifications are described in Table 1, and the locations are shown on Figures 3 and 4.



***Boring Depths:***

CPT borings SB-5 and SB-9 were extended to approximately 45 fbg, CPT borings SB-6 and SB-8 were extended to approximately 40 fbg, and CPT boring SB-7 was extended to approximately 42 fbg.

***Soil Sampling Methods:***

Soils in all borings were logged to 5 fbg using the Unified Soil Classification System and the Munsell Soil Color Charts. The CPT borings were logged continuously using CPT electronic logging equipment. Soil samples were collected from CPT borings SB-5, SB-8, and SB-9 every five feet from 5 to 20 fbg, and again at 30 and 40 fbg, for chemical and headspace analysis. Soil samples were collected from CPT borings SB-6 and SB-7 every five feet from 5 to 40 fbg, and from 5 to 35 fbg, respectively, for chemical and headspace analysis. Boring logs for the CPT borings are included in Appendix C.

***Sediment Lithology:***

Asphalt and silty sands with some gravel and lean clay comprised the top 5 fbg in the majority of boring locations. Soils encountered below 5 fbg consisted of interbedded clays, silty clays, clayey silts, silts, and sandy silts to approximately 10 to 20 fbg, underlain predominantly by clayey silt with interbedded layers of clay, silty clay, silts, and sandy silts to the total explored depth of 45 fbg.

***Groundwater Depths:***

During these drilling activities, groundwater at all locations was first encountered at depths ranging from 9 to 12 fbg.

***Groundwater Sampling:***

Depth discrete groundwater samples were attempted from each of the CPT borings with a hydropunch-type sampler at interval depths of approximately 9 to 12 fbg, 17.5 to 20 fbg, and 38 to 40.5 fbg. Groundwater samples were collected from borings SB-6 and SB-9 at each of the three interval depths. Groundwater samples were collected from borings SB-5, SB-7, and SB-8 at interval depths of approximately 9 to 12 fbg and 38 to 40.5 fbg. Groundwater samples were attempted but not collected in borings SB-5, SB-7, and SB-8 at the interval depth of approximately 17.5 to 20 fbg because of the lack of adequate groundwater recovery.

## *Chemical Analyses:*

Groundwater and select soil samples were analyzed by State-certified laboratory Severn Trent Laboratories, Inc. of Pleasanton, California, for TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), MTBE, tertiary butyl alcohol (TBA), tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), 1,2-dichloroethane (1,2 DCA), ethylene dibromide (EDB) by EPA Method 8260B, and TPHd by EPA Method 8015M.



## *Soil Disposal:*

Soil generated during the field activities was stored on site, covered with plastic sheeting, sampled, and profiled for disposal. On February 21, 2006, Manley and Sons Trucking, Inc. of Sacramento, California transported a total of 0.40 tons of soil to Allied Waste Industries' Forward Landfill in Manteca, California for disposal. The soil disposal documentation is included in Appendix D.

## **HYDROCARBON DISTRIBUTION IN SOIL**

A total of 33 soil samples were analyzed from the five CPT borings of which six soil samples from three borings (SB-7, SB-8, and S-9) reported detectable hydrocarbon constituents.

In boring SB-7, the soil sample collected from 5.0 fbg contained 0.0066 mg/kg MTBE and 0.030 mg/kg TBA, the soil sample collected from 10.0 fbg contained 19 mg/kg TPHg and 57 mg/kg TPHd, and the soil sample collected from 15.0 fbg contained 0.012 mg/kg MTBE and 0.27 mg/kg TBA. The TPHd reported in the sample from 10.0 fbg had an associated note from the analytical laboratory stating that the hydrocarbon reported was in the late diesel range and did not match the laboratory's standard for diesel.

In boring SB-8, the soil sample collected from 5.0 fbg contained 0.018 mg/kg MTBE and 0.030 mg/kg TBA, and the soil sample collected from 15.0 fbg contained 0.26 mg/kg MTBE, 0.41 mg/kg TBA, and 0.032 mg/kg DIPE.

In boring SB-9, the soil sample collected from 15.0 fbg contained 0.020 mg/kg MTBE.

None of the other soil samples collected contained any detectable concentrations of any of the constituents analyzed.

The soil chemical analytical data is summarized in Table 2. The TPHg, benzene, and MTBE concentrations in the soil samples are presented on Figure 3, and the certified analytical laboratory reports and chain of custody documentation are included in Appendix E.

## HYDROCARBON DISTRIBUTION IN GROUNDWATER

A total of 12 groundwater samples were analyzed from the five CPT borings (SB-5 through SB-9) collected from two or three different depths in each boring. A discussion of the analytical data for each depth interval is presented below:



- First encountered groundwater at 9-12 fbg: Groundwater samples were collected from each boring at this depth interval. TPHg was reported in boring SB-7 at 2,700  $\mu\text{g/l}$  and in boring SB-8 at 2,400  $\mu\text{g/l}$ . TPHd was reported in boring SB-6 at 200  $\mu\text{g/l}$ , in boring SB-7 at 1,200  $\mu\text{g/l}$ , and in boring SB-8 at 4,900  $\mu\text{g/l}$ . Each of the samples with detectable TPHd also had an associated note from the analytical laboratory stating that the concentrations reported either reflected individual or discrete unidentifiable peaks which did not match typical fuel patterns (SB-6), or were reported early in diesel range (SB-7 and SB-8), and none of the samples matched the laboratory's standard for diesel. No benzene or toluene was reported in any sample. Ethylbenzene at 0.64  $\mu\text{g/l}$  was reported in boring SB-7, and total xylenes was reported at 1.9  $\mu\text{g/l}$  in boring SB-7 and at 1.7  $\mu\text{g/l}$  in boring SB-9. MTBE was reported in boring SB-6 at 19  $\mu\text{g/l}$ , in boring SB-7 at 37  $\mu\text{g/l}$ , in boring SB-8 at 7.6  $\mu\text{g/l}$ , and in boring SB-9 at 6.7  $\mu\text{g/l}$ . TBA was reported in boring SB-7 at 95  $\mu\text{g/l}$  and in boring SB-8 at 220  $\mu\text{g/l}$ . No DIPE, ETBE, TAME, 1,2-DCA, or EDB was reported in any sample.
- 17.5 to 20 fbg: At this depth interval, because of the lack of groundwater recharge in borings SB-5, SB-7, and SB-8, groundwater samples were only collected from borings SB-6 and SB-9. No TPHg was reported in either boring. TPHd was reported in boring SB-6 at 62  $\mu\text{g/l}$ , and the sample also had an associated note from the analytical laboratory stating that the hydrocarbon reported did not match the laboratory's standard for diesel. No BTEX was reported in either sample. MTBE was reported in boring SB-6 at 5.4  $\mu\text{g/l}$  and in boring SB-9 at 6.5  $\mu\text{g/l}$ . No TBA, DIPE, ETBE, TAME, 1,2-DCA, or EDB was reported in either sample.
- 38-40.5 fbg: Groundwater samples were collected from each boring at this depth interval. TPHg was reported in boring SB-7 at 56  $\mu\text{g/l}$  and in boring SB-8 at 180  $\mu\text{g/l}$ . TPHd was reported in boring SB-5 at 120  $\mu\text{g/l}$  and in boring SB-6 at 85  $\mu\text{g/l}$ . Each of these samples also had an associated note from the analytical laboratory stating that the



hydrocarbon reported did not match the laboratory's standard for diesel. Benzene was reported in boring SB-5 at 0.93  $\mu\text{g/l}$  and in boring SB-8 at 0.52  $\mu\text{g/l}$ . No toluene, ethylbenzene, or total xylenes were reported in any sample. No MTBE, TBA, DIPE, ETBE, or TAME was reported in any sample. 1,2-DCA was reported in boring SB-5 at 0.69  $\mu\text{g/l}$ , in boring SB-8 at 0.54  $\mu\text{g/l}$ , and in boring SB-9 at 0.56  $\mu\text{g/l}$ . No EDB was reported in any sample.

The CPT boring groundwater chemical analytical data is summarized in Table 4. The TPHg, benzene, and MTBE concentrations from the CPT boring groundwater samples are presented on Figure 4. The certified analytical laboratory reports and chain of custody documentation are included in Appendix E.



## FINDINGS AND CONCLUSIONS

Results from the soil samples collected from borings SB-5 through SB-9 reflect the general absence of impact to the vadose zone soils and saturated soils in the downgradient direction from the fueling features at this site. BTEX constituents were not reported in any of the soil samples from this investigation. Only one soil sample contained TPHg at a very low concentration (19 mg/kg). MTBE and TBA were found in only two vadose zone soil samples (SB-7 at 5 fbg and SB-8 at 5 fbg) at very low concentrations (0.0066 and 0.018 mg/kg of MTBE and 0.030 and 0.030 mg/kg TBA, respectively). The MTBE and TBA detected in soil samples from 15 fbg (SB-7, SB-8, and SB-9) likely reflect impact from groundwater at that interval.

The lateral and vertical extent of impacted groundwater at this site appears to be limited to a small area in the vicinity of the former USTs near MW-3 and MW-1, and downgradient near SB-9 and SB-7. Groundwater at the site has historically been impacted with TPHd, TPHg, benzene, MTBE, and TBA. Since 1991, concentrations of these constituents in site wells have shown significant reductions. The decreasing trends of all these constituents indicate that the plume is shrinking back toward the source area(s) in the vicinity of wells MW-1 and MW-3. As of the fourth quarter 2005 monitoring event, the highest concentrations of these constituents were 2,790  $\mu\text{g/l}$  TPHd, 3,180  $\mu\text{g/l}$  TPHg, 26.3  $\mu\text{g/l}$  benzene, 186  $\mu\text{g/l}$  MTBE, and 1,900  $\mu\text{g/l}$  TBA.

With the exception of one grab groundwater sample from SB-7, the lateral extent of TPHg in the first encountered groundwater is defined in all directions to <50  $\mu\text{g/l}$  by SB-6, SB-5, MW-6, MW-7, MW-2, MW-8, MW-9, and MW-10 and to 107  $\mu\text{g/l}$  in MW-5. Since benzene is only detected in the first encountered groundwater at wells MW-1 and MW-3, the lateral extent is fully defined to <0.5  $\mu\text{g/l}$  by the other site wells and grab samples from the borings. TPHd is defined

to  $<210 \mu\text{g/l}$  in all directions, except at SB-7. MTBE is delineated at the property boundaries to concentrations less than  $40\mu\text{g/l}$ . The MTBE plume is shrinking in size, back toward the source area near wells MW-1 and MW-3. As of fourth quarter 2005, the wells contain MTBE at concentrations of 186 and  $164 \mu\text{g/l}$ , respectively. Associated TBA is also found in these two source area wells, and reflects the natural biodegradation of the MTBE plume at the site. From the first groundwater interval, TBA was reported in only one downgradient boring (SB-7) at a concentration of  $95 \mu\text{g/l}$ .



The vertical extent of groundwater impacts has been assessed by the collection of discrete groundwater samples from approximately 40 fbg in borings SB-5 through SB-9, discussed above. These borings were placed near, and downgradient of, the historical releases. TPHg has been delineated to  $<50 \mu\text{g/l}$  in all of the 40 foot interval samples except for  $56 \mu\text{g/l}$  in SB-7 and  $180 \mu\text{g/l}$  in SB-8. TPHd has been delineated to concentrations of  $120 \mu\text{g/l}$  or less (although laboratory notations suggest that the TPHd reported in most samples does not represent diesel fuel). In all 5 CPT borings, MTBE has been delineated to  $<0.05 \mu\text{g/l}$ , and TBA has been delineated to  $<5.0 \mu\text{g/l}$ . From the 40 fbg interval, low level concentrations of 1,2-DCA up to  $0.69 \mu\text{g/l}$  were detected in borings SB-5, SB-8, and SB-9. Thus, the vertical extent has been adequately delineated for the nature of the release at this site.

***Preferential Pathway Evaluation:*** In Cambria's May 16, 2003 *Conduit Study Report*, it was concluded that the sanitary sewer and storm drain lines within High Street could encounter groundwater, at least seasonally, and that it is possible that the utility trenches could serve intermittently as preferential pathways (or barriers) for the migration of groundwater and MTBE. To evaluate this concern, Cambria installed and sampled three borings downgradient of the site along the northwest property boundary.

From the first encountered groundwater samples obtained at 9-12 fbg in the downgradient borings, only SB-7 at 12 fbg contained constituents of concern: TPHg at  $2,700 \mu\text{g/l}$ , MTBE at  $37 \mu\text{g/l}$ , and TBA at  $95 \mu\text{g/l}$ . Although TPHd was reported in this sample ( $1,200 \mu\text{g/l}$ ), based on the laboratory note the result most likely represents the heavier end of weathered gasoline fuel. Boring SB-7 is located approximately 26 feet from the nearest utility trench (sanitary sewer) within High Street. Significant attenuation with distance from the source area has been documented by onsite monitoring wells. Given the silty, clayey nature of the subsurface soils at this site, it is likely that additional attenuation of concentrations occurs from the property boundary to the closest utility trench.

## RISK EVALUATION

In order to evaluate potential risks to human health and environment by the residual soil and groundwater impacts at the site, and thus the potential for case closure of this site, Cambria compared the maximum concentrations of select constituents in soil and groundwater samples to the Environmental Screening Levels (ESLs) published in San Francisco Bay RWQCB's *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater* (Interim Final – February 2005).



The nearest receptor offsite has been identified as a tidal canal located about 1,400 feet southwest of the site (regionally downgradient), which flows south into San Leandro Bay. The site and the surrounding area are currently in commercial and industrial use, and it is very unlikely that the property use, or local land use, will change in the foreseeable future. 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 industrial/commercial nature of the local land use, 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, drinking water ELS's do not apply at this site.

### *Evaluation of Risk to Onsite Commercial Workers – Indoor Air*

Petroleum impacted soil and groundwater needs to be evaluated in relation to its potential for risk to onsite commercial workers in the station building via migration of vapors to indoor air. For soils, Table A (below) presents the maximum concentrations of chemicals of concern (COCs) in the vadose zone soils and the applicable ESLs for protection of commercial workers to migration of vapors from soil to indoor air. For groundwater, Table A presents the current groundwater concentrations in groundwater near the kiosk (MW-1), and the applicable ESLs for indoor commercial air where soils are of low permeability (since site soils are known to be primarily clays and silts).



TABLE A

Constituents of Concern	Maximum Concentrations in Vadose Zone Soils [Sample ID/Date] Units in mg/kg	ESLs for Protection of Onsite Commercial Worker/Indoor Air (Table E-1b) Units in mg/kg	Current Concentrations in Site Groundwater [MW-1, 11/05] Units in µg/l	ESLs for Protection of Onsite Commercial Worker/Indoor Air Low Permeability Soils (Table E-1a) Units in µg/l
TPHd	3,600 [X-2, 11/02]	Not Available Use soil gas	2,790	Not Available Use soil gas
TPHg	2,100 [X-3, 11/02]	Not Available Use soil gas	3,180	Not Available Use soil gas
Benzene	0.31 [D-5@4', 11/02]	0.51	26.3	6,400
Toluene	32 [X-3, 11/02]	310	3.67	530,000
Ethylbenzene	33 [X-3, 11/02]	390	4.14	170,000
Xylenes	220 [X-3, 11/02]	420	9.86	160,000
MTBE	0.018 [SB-8@5', 01/06]	5.6	186	150,000
TBA	0.03 [SB-7/SB-8@5', 01/06]	Not Available Use soil gas	230	Not Available Use soil gas

Based on the above data, **the residual impacted soils and groundwater do not appear to pose a threat to onsite receptors** (specifically onsite commercial workers by migration of vapors to indoor air), for those constituents where ESLs are provided. For TPHg, TPHd, and TBA, there are currently no ESLs established for protection of indoor air, and the use of specific soil gas samples is recommended for some cases. For this site, the maximum residual soil contaminants were reported for samples collected in 2002 from beneath dispensers and around the area of MW-3 where over-excavation occurred. The bulk of the impacted material was removed through excavation, and the majority of the confirmation samples did not contain elevated concentrations of these constituents (Table 2). Although TBA was not analyzed for in soil samples at that time, it is unlikely to be detected at any significant concentration based on the concentrations found in site groundwater. Given the limited extent of soil impact, the tight soils which would limit vapor

migration, the ambient concentrations of petroleum constituents from onsite fueling operations, and based on Cambria's experience at similar sites where soil gas sampling has been performed, Cambria asserts that the potential impact to indoor commercial air from the impacted soil and groundwater is very low and **does not warrant soil gas sampling** for TPHg, TPHd, or TBA.

***Evaluation of Risk to Onsite Construction Workers***

Petroleum impacted soil also needs to be evaluated in relation to its potential for risk to construction workers that may come in contact with the impacted soils onsite. Table B presents the maximum concentrations of COCs in the vadose zone soils and the applicable ESLs for protection of the occasional construction worker coming in contact with impacted soil at this site.



**TABLE B**

<b>Constituents of Concern</b>	<b>Maximum Concentrations in Vadose Zone Soils [Sample ID/Date] Units in mg/kg</b>	<b>ESLs for Protection of Construction Worker (Table K-3) Units in mg/kg</b>
<b>TPHd</b>	3,600 [X-2, 11/02]	6,000
<b>TPHg</b>	2,100 [X-3, 11/02]	6,000
<b>Benzene</b>	0.31 [D-5@4', 11/02]	16
<b>Toluene</b>	32 [X-3, 11/02]	650
<b>Ethylbenzene</b>	33 [X-3, 11/02]	400
<b>Xylenes</b>	220 [X-3, 11/02]	420
<b>MTBE</b>	0.018 [SB-8@5', 01/06]	2,500
<b>TBA</b>	0.03 [SB-7/SB-8@5', 01/06]	3,700
<b>Total Lead</b>	2,700 [P-6@4', 11/02]	750



Based on the above data, only total lead exceeds the ESL's for construction worker, thus with the exception of total lead, **the residual impacted soils do not appear to pose a threat to construction workers that may occasionally come in contact with the impacted soils onsite.** A review of the lead data from other samples at this site shows that the elevated nature of this one result appears to be anomalous. The sample from P-6 did not report any other petroleum constituents, and thus does not appear to be a result of the petroleum release. Of the 66 other samples analyzed for total lead historically, only this sample exceeds the ESL. Based on the presence of elevated lead in the vicinity of P-6, a Risk Management Plan might be warranted for future construction work in this area so that contractors are made aware of the possible presence of lead in soil.

***Evaluation of Risk to Offsite Receptors from Impacted Groundwater***

As presented previously in this document, the nearest offsite receptor has been identified as a tidal canal located about 1,400 feet southwest of the site (regionally downgradient), which flows south into San Leandro Bay. Given the significant distance from the site and the decreasing concentrations in site groundwater it is unlikely that constituents from this site would reach this receptor; however, migration of constituents via utility conduits is feasible and may occur seasonally. Thus, an evaluation of the potential risk to marine surface water bodies is necessary. Table C below presents the maximum concentrations in shallow groundwater found near the property boundary during the January 2006 investigation activities, and a comparison to the ESLs for protection of marine surface water bodies.

**TABLE C**

<b>Constituents of Concern</b>	<b>Maximum Concentrations in Site Groundwater near Property Boundary [SB-7, 01/06] Units in µg/l</b>	<b>ESLs for Protection of Surface Water Bodies – Marine Habitat (Table F-2b) Units in µg/l</b>
<b>TPHd</b>	1,200*	640
<b>TPHg</b>	2,700	3,700
<b>Benzene</b>	<0.5	350
<b>Toluene</b>	<0.5	2,500
<b>Ethylbenzene</b>	0.64	290
<b>Xylenes</b>	1.9	100
<b>MTBE</b>	37	8,000
<b>TBA</b>	95	18,000

\* hydrocarbon reported is in the early diesel range and does not match the lab standard for diesel.

Based on the data in Table C, with the exception of the TPHd result, the maximum concentrations reported in grab groundwater samples near the property boundary **do not exceed any of the ESLs for protection of a marine habitat surface water body**. Based on the laboratory notes and historical TPHd data for this site, Cambria asserts that the TPHd reported in the sample from SB-7 at 12 fbg likely represents the heavier end of weathered gasoline. If the result does represent gasoline it is below the TPHg ESL. If the 1,200  $\mu\text{g/l}$  of TPHd does in fact represent diesel fuel, it would exceed the ESL for diesel in a surface water body. But, given the distance to the nearest receptor and the attenuation that would occur during its migration over that distance, Cambria concludes that the TPHd also poses no threat to the nearest offsite receptor.



### ***Risk Evaluation Conclusions***

The site use is likely to remain a gasoline station and the area is likely to remain in commercial/industrial use. Given the concentrations of contaminants in site soil and groundwater in relation to the ESLs presented above, and given the decreasing concentration trends, shrinking groundwater plume, and natural attenuation that is occurring, Cambria concludes that the residual petroleum impacts at this site pose very little, or no risk to human health or the environment currently, or in the foreseeable future.

### **RECOMMENDATION FOR CASE CLOSURE**

Petroleum impacts have been adequately delineated and the risk evaluation effectively demonstrates that the residual petroleum impacted soil and groundwater at the site do not pose a threat to human health or the environment. Natural attenuation is occurring at this site and is expected to continue to reduce residual concentrations of petroleum constituents. Therefore, additional investigation and monitoring at this site are not warranted. Cambria recommends that the ACHCSA consider granting case closure. Since additional monitoring is not warranted and would not provide new data for the site, Cambria recommends that the monitoring program be suspended during the agency's review of this submittal and consideration of closure. In relation to the one sample containing lead in excess of the ESL for occasional onsite construction worker, Cambria recommends the preparation of a Risk Management Plan for future onsite construction work.

# C A M B R I A

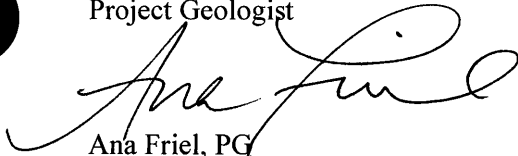
## CLOSING

Please contact Dennis Baertschi at (707) 268-3813, or Ana Friel at (707) 268-3812, if you have any questions or comments regarding this report.

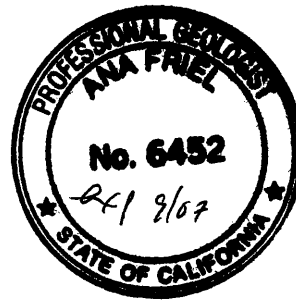
Sincerely,  
**Cambria Environmental Technology, Inc.**



Dennis Baertschi  
Project Geologist



Ana Friel, PG  
Senior Project Geologist



## Attachments

- Table 1. Well/Boring Data
- Table 2. Cumulative Soil Analytical Data
- Table 3. Cumulative Grab Groundwater Analytical Data
  
- Figure 1. Vicinity/Area Well Survey Map
- Figure 2. Site Map/4Q05 Groundwater Monitoring Data Map
- Figure 3. Soil Chemical Concentration Map
- Figure 4. Grab Groundwater Chemical Concentration Map
  
- Appendix A. Historical Sample Location Figures and Historical Monitoring Data Table
- Appendix B. Permit
- Appendix C. Gregg In Situ, Inc. – Cone Penetration Test Data
- Appendix D. Disposal Documentation
- Appendix E. Certified Analytical Reports

cc: Mr. Denis Brown, Shell Oil Products US

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**Table 1. Well/Boring Data, Shell-branded Service Station, 630 High Street, Oakland, California**

Well/ Boring ID	Boring Type	Completion Date	TOC Elev (ft msl)	Total Depth (fbg)	Soil Sample Interval or Depths Ft)	GW Depth*		Screen Diam. (In)	Screen Depth (ft)		Comments
						First Encountered	Static		Top	Bottom	
SB-1	HSA Boring	27-Apr-89	-	10	C	-	-	-	-	-	
SB-2	HSA Boring	27-Apr-89	-	10	C	-	-	-	-	-	
SB-3	HSA Boring	17-Aug-89	-	10	5	-	-	-	-	-	
SB-4	HSA Boring	14-Nov-85	-	9	5	-	-	-	-	-	
SB-5	CPT Boring	18-Jan-06	-	45	5	10.0	-	-	-	-	
SB-6	CPT Boring	17-Jan-06	-	40	5	10.0	-	-	-	-	
SB-7	CPT Boring	17-Jan-06	-	42	5	12.0	-	-	-	-	
SB-8	CPT Boring	23-Jan-06	-	40	5	10.0	-	-	-	-	
SB-9	CPT Boring	18-Jan-06	-	45	5	9.0	-	-	-	-	
MW-1	HSA Well	25-Apr-89	12.02	20	C	10	10.79	4	9	13	
MW-2	HSA Well	25-Apr-89	13.8	25	C	14.5	13.25	4	10	20	Well Destroyed on 10/6/05
MW-3	HSA Well	26-Apr-89	12.12	20	C	11.5	11.09	4	8	17	
MW-4	HSA Well	26-Apr-89	11.9	22	C	10	10.76	4	7	17	
MW-5	HSA Well	17-Aug-89	12.72	20	C	12	11.72	4	8	18	
MW-6	HSA Well	16-Aug-89	11.21	24	5	15	10.23	4	10	20	
MW-7	HSA Well	15-Aug-89	10.17	24	5	17.5	8.91	4	10	20	
MW-8	HSA Well	15-Aug-89	9.75	24	3	9	8.47	4	9	21	Well Destroyed on 10/6/05
MW-9	HSA Well	15-Nov-89	12.34	16	5	10	8.27	4	6	12	Well Destroyed on 10/6/05
MW-10	HSA Well	16-Nov-89	11.6	17	5	11	10.81	4	7	13	Well Destroyed on 10/6/05

**Abbreviations:**

TOC = Top of Casing referenced to mean sea level (msl)

Elev = Elevation

GW = Groundwater

ft = feet

ft msl = Feet referenced to mean sea level

fbg = Feet below grade

C = Continuous

Diam. = Diameter

In = inches

HSA = Hollow-stem auger

CPT = Cone penetration test

\* = First encountered groundwater in fbg measured on drilling date; static groundwater in wells measured in feet below TOC on initial sampling date.

**Table 2. Cumulative Soil Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California**

Sample ID	Date	Depth (ft)	TPHg mg/Kg	TPHd mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	DIPE mg/Kg	ETBE mg/Kg	TAME mg/Kg	TBA mg/Kg	1,2-DCA mg/Kg	EDB mg/Kg	Lead mg/Kg	TPH-mo	O&G
SB-5-5.0	23-Jan-06	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-5-10.0	23-Jan-06	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-5-15.0	23-Jan-06	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-5-20.0	23-Jan-06	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-5-30.0	23-Jan-06	30.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-5-40.0	23-Jan-06	40.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-5.0	17-Jan-06	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-10.0	17-Jan-06	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-15.0	17-Jan-06	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-20.0	17-Jan-06	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-25.0	17-Jan-06	25.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-30.0	17-Jan-06	30.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-35.0	17-Jan-06	35.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-6-40.0	17-Jan-06	40.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-7-5.0	17-Jan-06	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.0066</b>	<0.010	<0.0050	<0.0050	<b>0.030</b>	<0.0050	<0.0050	NA	NA	NA
SB-7-10.0	17-Jan-06	10.0	<b>19</b>	<b>57<sup>a</sup></b>	<0.025	<0.025	<0.025	<0.025	<0.025	<0.049	<0.025	<0.025	<0.049	<0.025	<0.025	NA	NA	NA
SB-7-15.0	17-Jan-06	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.012</b>	<0.010	<0.0050	<0.0050	<b>0.27</b>	<0.0050	<0.0050	NA	NA	NA
SB-7-20.0	17-Jan-06	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-7-25.0	17-Jan-06	25.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-7-30.0	17-Jan-06	30.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-7-35.0	17-Jan-06	35.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-8-5.0	23-Jan-06	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.018</b>	<0.010	<0.0050	<0.0050	<b>0.030</b>	<0.0050	<0.0050	NA	NA	NA
SB-8-10.0	23-Jan-06	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-8-15.0	23-Jan-06	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.26</b>	<b>0.032</b>	<0.0050	<0.0050	<b>0.41</b>	<0.0050	<0.0050	NA	NA	NA
SB-8-20.0	23-Jan-06	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-8-30.0	23-Jan-06	30.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-8-40.0	23-Jan-06	40.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA

**Table 2. Cumulative Soil Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California**

Sample ID	Date	Depth (ft)	TPHg mg/Kg	TPHd mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	DIPE mg/Kg	ETBE mg/Kg	TAME mg/Kg	TBA mg/Kg	1,2-DCA mg/Kg	EDB mg/Kg	Lead mg/Kg	TPH-mo	O&G
SB-9-5.0	23-Jan-06	5.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-9-10.0	23-Jan-06	10.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-9-15.0	23-Jan-06	15.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.020</b>	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-9-20.0	23-Jan-06	20.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-9-30.0	23-Jan-06	30.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
SB-9-40.0	23-Jan-06	40.0	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	NA	NA	NA
X-1	08-Nov-02	13.0	<b>290</b>	<b>17</b>	<0.050	<0.050	<b>0.55</b>	<0.050	<0.5	NA	NA	NA	NA	NA	NA	<b>5.83</b>	NA	NA
X-2	08-Nov-02	13.0	<b>72</b>	<b>3,600</b>	<b>0.17</b>	<b>0.15</b>	<0.025	<b>0.62</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>5.13</b>	NA	NA
X-3	08-Nov-02	13.0	<b>2,100</b>	<b>280</b>	<b>0.22</b>	<b>32</b>	<b>33</b>	<b>220</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>3.35</b>	NA	NA
X-4	08-Nov-02	10.0	<b>1.4</b>	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>28</b>	NA	NA
D-1@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>31.8</b>	NA	NA
D-2@4'	06-Nov-02	4.0	<b>70</b>	<b>1,400</b>	<0.025	<0.025	<0.025	<0.025	<0.5	NA	NA	NA	NA	NA	NA	<b>81.7</b>	NA	NA
D-3@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<b>0.0085</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>14.5</b>	NA	NA
D-4@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>24</b>	NA	NA
D-5@4'	06-Nov-02	4.0	<b>320</b>	<b>75</b>	<b>0.31</b>	<b>0.058</b>	<b>9.7</b>	<b>1.8</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>54.8</b>	NA	NA
D-6@4'	06-Nov-02	4.0	<b>150</b>	<b>89</b>	<0.025	<0.025	<b>0.14</b>	<b>3.5</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>51.3</b>	NA	NA
D-7@4'	06-Nov-02	4.0	<1.0	<b>130</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>315</b>	NA	NA
D-8@4'	06-Nov-02	4.0	<b>2.9</b>	<b>41</b>	<0.005	<b>0.048</b>	<b>0.019</b>	<b>0.59</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>97.8</b>	NA	NA
P-1@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>106</b>	NA	NA
P-2@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>92.6</b>	NA	NA
P-3@3'	06-Nov-02	4.0	<1.0	<b>3.3</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>22.1</b>	NA	NA
P-4@4'	06-Nov-02	4.0	<1.0	<b>8.5</b>	<0.005	<b>0.024</b>	<0.005	<b>0.033</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>80.2</b>	NA	NA
P-5@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>19.1</b>	NA	NA
P-6@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>2,700</b>	NA	NA
P-7@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>180</b>	NA	NA
P-8@4'	06-Nov-02	4.0	<b>250</b>	<b>180</b>	<0.050	<0.050	<b>0.56</b>	<b>0.17</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>59.2</b>	NA	NA

**Table 2. Cumulative Soil Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California**

Sample ID	Date	Depth (ft)	TPHg mg/Kg	TPHd mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	DIPE mg/Kg	ETBE mg/Kg	TAME mg/Kg	TBA mg/Kg	1,2-DCA mg/Kg	EDB mg/Kg	Lead mg/Kg	TPH-mo	O&G
P-9@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	27	NA	NA
P-10@4'	06-Nov-02	4.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	50.7	NA	NA
P-11@4'	06-Nov-02	4.0	<b>210</b>	<b>100</b>	<0.050	<0.050	<b>0.14</b>	<b>0.13</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>66.8</b>	NA	NA
P-12@4'	06-Nov-02	4.0	<1.0	<5.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>432</b>	NA	NA
V-1@17'	30-Oct-02	17.0	<1.0	<b>3.4</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>6.1</b>	NA	NA
V-2@17'	30-Oct-02	17.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
V-3@17'	30-Oct-02	17.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>91</b>	NA	NA
V-4@17'	30-Oct-02	17.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
V-5@17'	30-Oct-02	17.0	<1.0	<b>3.4</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
V-6@17'	30-Oct-02	17.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>6.1</b>	NA	NA
V-7@17'	30-Oct-02	17.0	<1.0	<b>35</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>5.9</b>	NA	NA
V-8@17'	30-Oct-02	17.0	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<b>5.5</b>	NA	NA
TP-1@14'	12-Oct-02	14.0	<b>110</b>	<b>1,400</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
TP-2@14'	29-Oct-02	14.0	<1.0	<b>3.2</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
TP-3@14'	29-Oct-02	14.0	<b>19</b>	<b>200</b>	<0.005	<0.005	<0.005	<b>0.020</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>5.1</b>	NA	NA
TP-4@14'	29-Oct-02	14.0	<b>23</b>	<b>140</b>	<0.005	<0.005	<0.005	<0.010	<0.5	NA	NA	NA	NA	NA	NA	<b>6.5</b>	NA	NA
TP-5@14'	29-Oct-02	14.0	<1.0	<b>5.5</b>	<0.005	<b>0.0050</b>	<0.005	<b>0.0081</b>	<0.5	NA	NA	NA	NA	NA	NA	<b>7.1</b>	NA	NA
TP-6@14'	29-Oct-02	14.0	<1.0	<b>59</b>	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA	NA	NA	NA	NA	<5.0	NA	NA
TP-7@14'	29-Oct-02	14.0	<b>110</b>	<b>330</b>	<0.050	<0.050	<0.050	<0.050	<0.5	NA	NA	NA	NA	NA	NA	<b>12</b>	NA	NA
TP-8@14'	29-Oct-02	14.0	<b>1.7</b>	<b>330</b>	<0.005	<0.005	<0.005	<0.010	<0.5	NA	NA	NA	NA	NA	NA	<b>5.9</b>	NA	NA
MW-1	25-Apr-89	5	<b>11</b>	<10	<0.025	<b>0.11</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>9.6</b>	<10	NA
MW-1	25-Apr-89	5/10°	<b>63</b>	<10	<b>0.042</b>	<b>0.14</b>	NA	<b>0.16</b>	NA	NA	NA	NA	NA	NA	NA	<b>7.6</b>	<10	NA
MW-2	25-Apr-89	5	<10	<10	<0.025	<b>0.34</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>13</b>	<10	NA
MW-2	25-Apr-89	5/10/15°	<10	<10	<0.025	<b>0.15</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>4.0</b>	<10	NA
MW-3	26-Apr-89	5	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>3.9</b>	<10	NA
MW-3	26-Apr-89	5/10°	<10	<10	<0.025	<b>0.068</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>5.1</b>	<10	NA

**Table 2. Cumulative Soil Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California**

Sample ID	Date	Depth (ft)	TPHg mg/Kg	TPHd mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	DIPE mg/Kg	ETBE mg/Kg	TAME mg/Kg	TBA mg/Kg	1,2-DCA mg/Kg	EDB mg/Kg	Lead mg/Kg	TPH-mo	O&G
MW-4	26-Apr-89	5	<10	<10	<b>0.046</b>	<b>0.21</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>26</b>	<10	NA
MW-4	26-Apr-89	5/10 <sup>c</sup>	<10	<10	<0.025	<b>0.066</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>27</b>	<10	NA
MW-5	17-Aug-89	5	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>14.0</b>	<10	<50
MW-5	17-Aug-89	10	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>5.9</b>	<10	<50
MW-6	16-Aug-89	5	<10	<10	<0.025	<b>0.057</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>5.6</b>	<10	<b>220</b>
MW-6	16-Aug-89	10	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>4.3</b>	<10	<50
MW-7	15-Aug-89	5	<10	<10	<0.025	<b>0.040</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>9.8</b>	<10	<50
MW-7	15-Aug-89	10	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>3.7</b>	<10	<50
MW-8	15-Aug-89	5	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>5.1</b>	<10	<50
MW-8	15-Aug-89	10	<10	<10	<0.025	<0.025	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>2.6</b>	<10	<50
MW-9	15-Nov-89	5	<1	<1	<0.0025	<b>0.013</b>	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	<b>170</b>	<b>10</b>	NA
MW-10	16-Nov-89	5	<1	<1	<0.0025	<b>0.049</b>	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	<b>120</b>	<b>240</b>	NA
MW-10	16-Nov-89	10	<1	<b>380</b>	<0.0025	<0.0025	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	<b>3.1</b>	<b>3.1</b>	NA
SB-1	27-Apr-89	5	<b>12<sup>b</sup></b>	<b>27</b>	<0.025	<b>0.10</b>	NA	<b>0.14</b>	NA	NA	NA	NA	NA	NA	NA	<b>71</b>	<b>85</b>	NA
SB-2	27-Apr-89	5	<10	<10	<b>0.042</b>	<b>0.054</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>16</b>	<10	NA
SB-2	27-Apr-89	5/10 <sup>c</sup>	<10	<10	<0.025	<b>0.04</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>10</b>	<b>130</b>	NA
SB-3	15-Aug-89	5	<10	<10	<0.025	<b>0.22</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>66</b>	<10	<b>290</b>
SB-3	15-Aug-89	10	<10	<10	<0.025	<b>0.045</b>	NA	<0.075	NA	NA	NA	NA	NA	NA	NA	<b>4.2</b>	<10	<50

**Table 2. Cumulative Soil Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California**

Sample ID	Date	Depth (ft)	TPHg mg/Kg	TPHd mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg	MTBE mg/Kg	DIPE mg/Kg	ETBE mg/Kg	TAME mg/Kg	TBA mg/Kg	1,2-DCA mg/Kg	EDB mg/Kg	Lead mg/Kg	TPH-mo	O&G
SB-4	15-Nov-89	5	<1	16	<0.0025	0.032	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	220	77	NA
SB-4	15-Nov-89	9	<1	<1	<0.0025	0.056	NA	<0.0025	NA	NA	NA	NA	NA	NA	NA	3.9	11	NA

**Notes and Abbreviations**

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

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

Benzene, ethylbenzene, toluene, xylenes, analyzed by EPA Method 8260B

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

DIPE (di-isopropyl ether), ETBE (ethyl tertiary butyl ether), Tame (tertiary amyl methyl ether), and TBA (tertiary butyl alcohol) by EPA Method 8260B

1,2-DCA and EDB by EPA Method 8260B

TPH-mo = Total petroleum hydrocarbons as motor oil

O&G = Oil and grease

mg/Kg = Milligrams per kilogram (parts per million)

<x = Below laboratory detection limit of X

a = Hydrocarbon reported is in the late diesel range and does not match lab standard for diesel

b = Sample contains higher boiling hydrocarbons not characteristic with gasoline

c = Composite sample

**Table 3. Cumulative Grab Groundwater Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California.**

Sample ID	Date	Sample Interval (fbg)	TPHg µg/L	TPHd µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Total Xylenes µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	1,2-DCA µg/L	EDB µg/L
No Recovery	NA	6-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5-10.0W	18-Jan-06	10-14	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
No Recovery	NA	20-24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-5-40.5W	18-Jan-06	40.5-44.5	<50	<b>120<sup>a</sup></b>	<b>0.93</b>	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<b>0.69</b>	<0.50
SB-6-W10.0	17-Jan-06	10-12	<50	<b>200<sup>b</sup></b>	<0.50	<0.50	<0.50	<1.0	<b>19</b>	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
SB-6-W17.5	17-Jan-06	17.5-21.5	<50	<b>62<sup>a</sup></b>	<0.50	<0.50	<0.50	<1.0	<b>5.4</b>	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
SB-6-38W	17-Jan-06	38-42	<50	<b>85<sup>a</sup></b>	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
No Recovery	NA	8-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-7-12.0W	18-Jan-06	12-15	<b>2,700</b>	<b>1,200<sup>c</sup></b>	<0.50	<0.50	<b>0.64</b>	<b>1.9</b>	<b>37</b>	<2.0	<2.0	<2.0	<b>95</b>	<0.50	<0.50
No Recovery	NA	24-28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-7-38.0W	18-Jan-06	38-42	<b>56</b>	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
No Recovery	NA	6-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8-10.0W	23-Jan-06	10-14	<b>2,400</b>	<b>4,900<sup>c</sup></b>	<2.0	<2.0	<2.0	<4.0	<b>7.6</b>	<8.0	<8.0	<8.0	<b>220</b>	<2.0	<2.0
No Recovery	NA	20-24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8-40.0W	23-Jan-06	40-44	<b>180</b>	<50	<b>0.52</b>	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<b>0.54</b>	<0.50
No Recovery	NA	6-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-9-9.0W	18-Jan-06	9-13	<50	<50	<0.50	<0.50	<0.50	<b>1.7</b>	<b>6.7</b>	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
SB-9-20.0W	18-Jan-06	20-24	<50	<50	<0.50	<0.50	<0.50	<1.0	<b>6.5</b>	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50
SB-9-40.0W	18-Jan-06	40-44	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	<b>0.56</b>	<0.50
TP-W	29-Oct-02	NA	<b>500</b>	<b>7,700</b>	<b>6.6</b>	<b>33</b>	<2.0	<b>17</b>	<b>1,200</b>	NA	NA	NA	NA	NA	NA
X-H20	08-Nov-02	NA	<b>8,300</b>	<b>160,000<sup>a</sup></b>	<b>51</b>	<b>350</b>	<b>220</b>	<b>1,300</b>	<b>190</b>	NA	NA	NA	NA	NA	NA

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**Table 3. Cumulative Grab Groundwater Analytical Results, Shell-branded Service Station, 630 High Street, Oakland, California.**

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**Notes and Abbreviations:**

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

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

Benzene, ethylbenzene, toluene, xylenes, analyzed by EPA Method 8260B

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

DIPE (di-isopropyl ether), ETBE (ethyl tertiary butyl ether), Tame (tertiary amyl methyl ether), and TBA (tertiary butyl alcohol) by EPA Method 8260B

1,2-DCA and EDB by EPA Method 8260B

$\mu\text{g/L}$  = Micrograms per liter (parts per billion)

fbg = Feet below grade

<x = Below laboratory detection limit of X

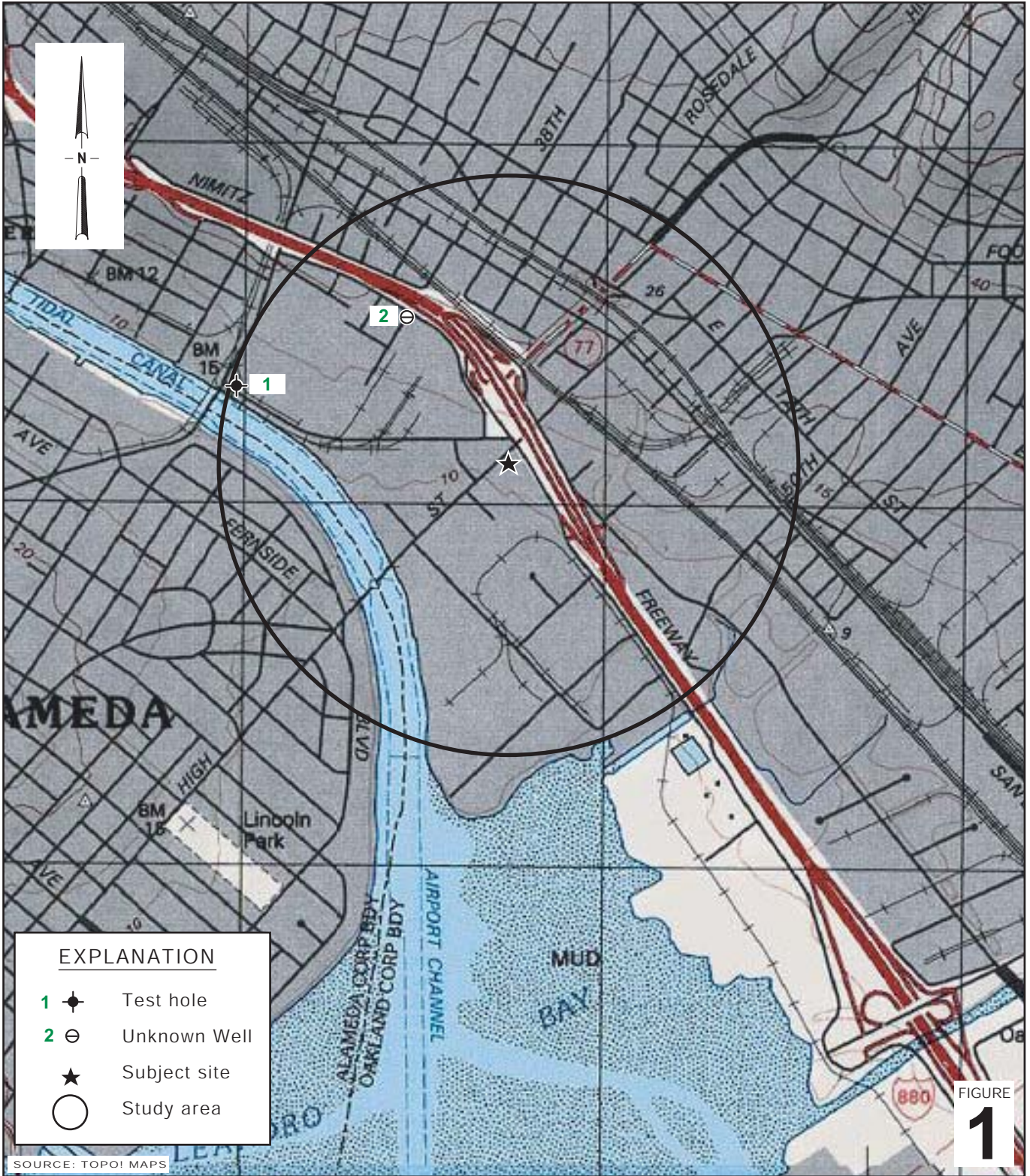
a = Hydrocarbon reported does not match lab standard for diesel

b = The concentration reported reflects individual or discrete unidentified peaks not matching typical fuel pattern; and the hydrocarbon reported does not match lab standard for diesel

c = Hydrocarbon reported is in the early diesel range and does not match lab standard for diesel

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### Shell-branded Service Station

630 High Street  
Oakland, California



C A M B R I A

### Vicinity/Area Well Survey Map

(1/2-Mile Radius)



EXPLANATION	
	Monitoring well location
	Monitoring well location
	Fuel dispenser number
	Electrical line (E)
	Storm drain line (SD)
	Sanitary sewer line (SS)
	Water line (W)
	Gas line (G)
	Communications line (T)
	Shell oil pipeline (O)
	City of Oakland Electrical vault (E)
	Water vault (W)
	City of Oakland Manhole (MH)
	Utility Pole
	Storm Drain inlet (SD)
	Flow direction
<b>FL</b>	Flow line elevation, in feet above mean sea level
<b>1.90</b>	Groundwater elevation in ft msl
<b>(&lt;0.50)</b>	Benzene concentration in parts per billion (ppb)
<b>(24)</b>	MTBE concentration in ppb
<b>(&lt;0.500/&lt;5.00, 27-Aug-99)</b>	Benzene/MTBE concentration (ppb), date last reported
<b>NM</b>	Not monitored

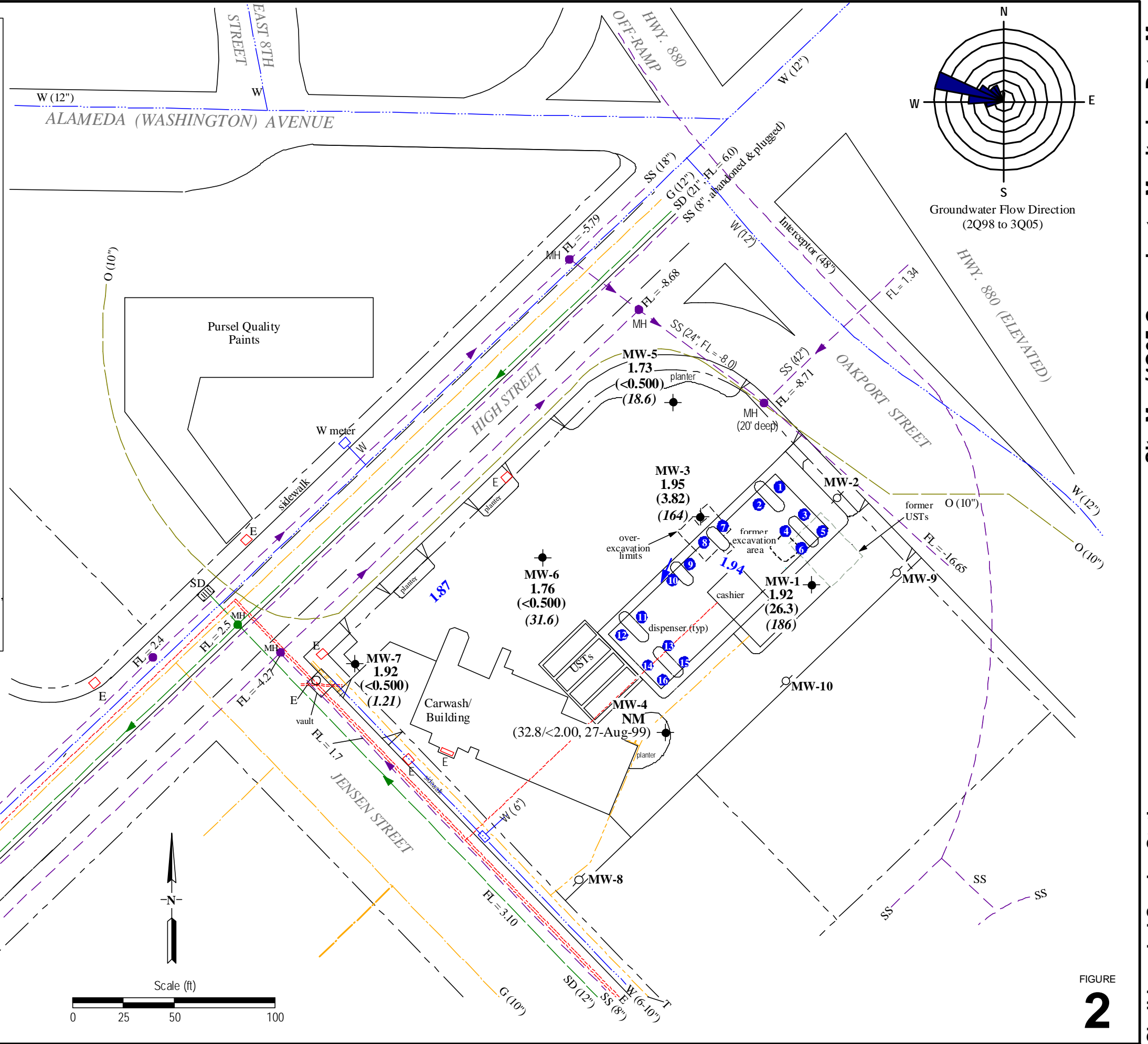


FIGURE 2



**EXPLANATION**

- Soil Boring
- ⊕ Monitoring Well Location
- ⊙ Destroyed Well
- Electrical line (E)
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Communications line (T)
- Shell oil pipeline (O)
- City of Oakland Electrical vault (E)
- Water vault (W)
- City of Oakland Manhole (MH)
- Utility Pole
- ▣ Storm Drain inlet (SD)
- ▶ Flow direction
- FL Flow line elevation, in feet above mean sea level

<1.0/<0.005/<0.005/40.0'	TPHg/Benzene/MTBE soil concentrations in parts per million (ppm)/Depth in feet.
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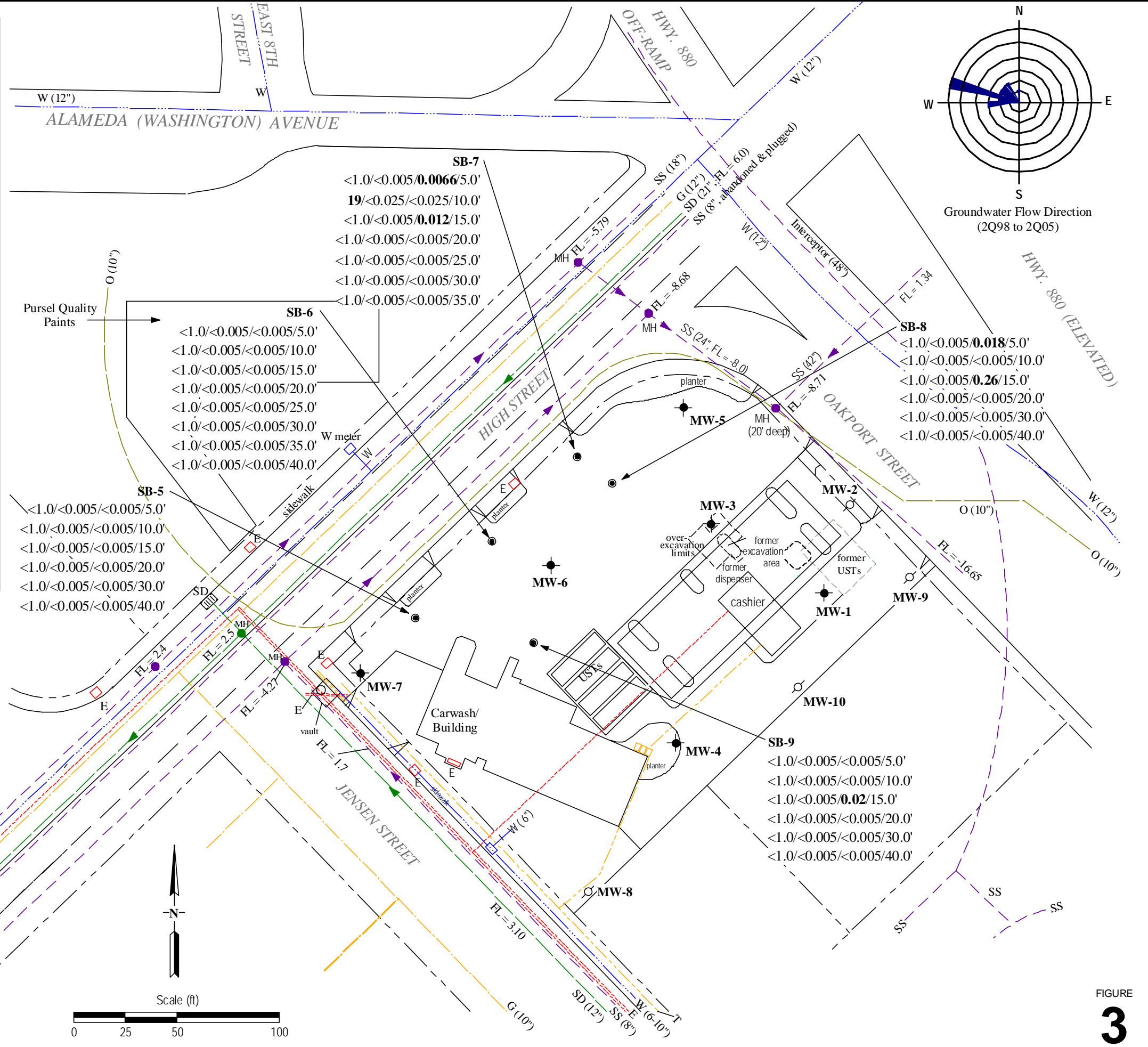


FIGURE 3



**EXPLANATION**

- Soil Boring
- ⊕ Monitoring Well Location
- ⊖ Destroyed Well
- - - Electrical line (E)
- - - Storm drain line (SD)
- - - Sanitary sewer line (SS)
- - - Water line (W)
- - - Gas line (G)
- - - Communications line (T)
- - - Shell oil pipeline (O)
- City of Oakland Electrical vault (E)
- Water vault (W)
- City of Oakland Manhole (MH)
- Utility Pole
- ▣ Storm Drain inlet (SD)
- ▶ Flow direction
- FL Flow line elevation, in feet above mean sea level

<50/<0.5/<0.5/40.0' TPHg/Benzene/MTBE groundwater concentrations in parts per billion (ppb)/Depth in feet.

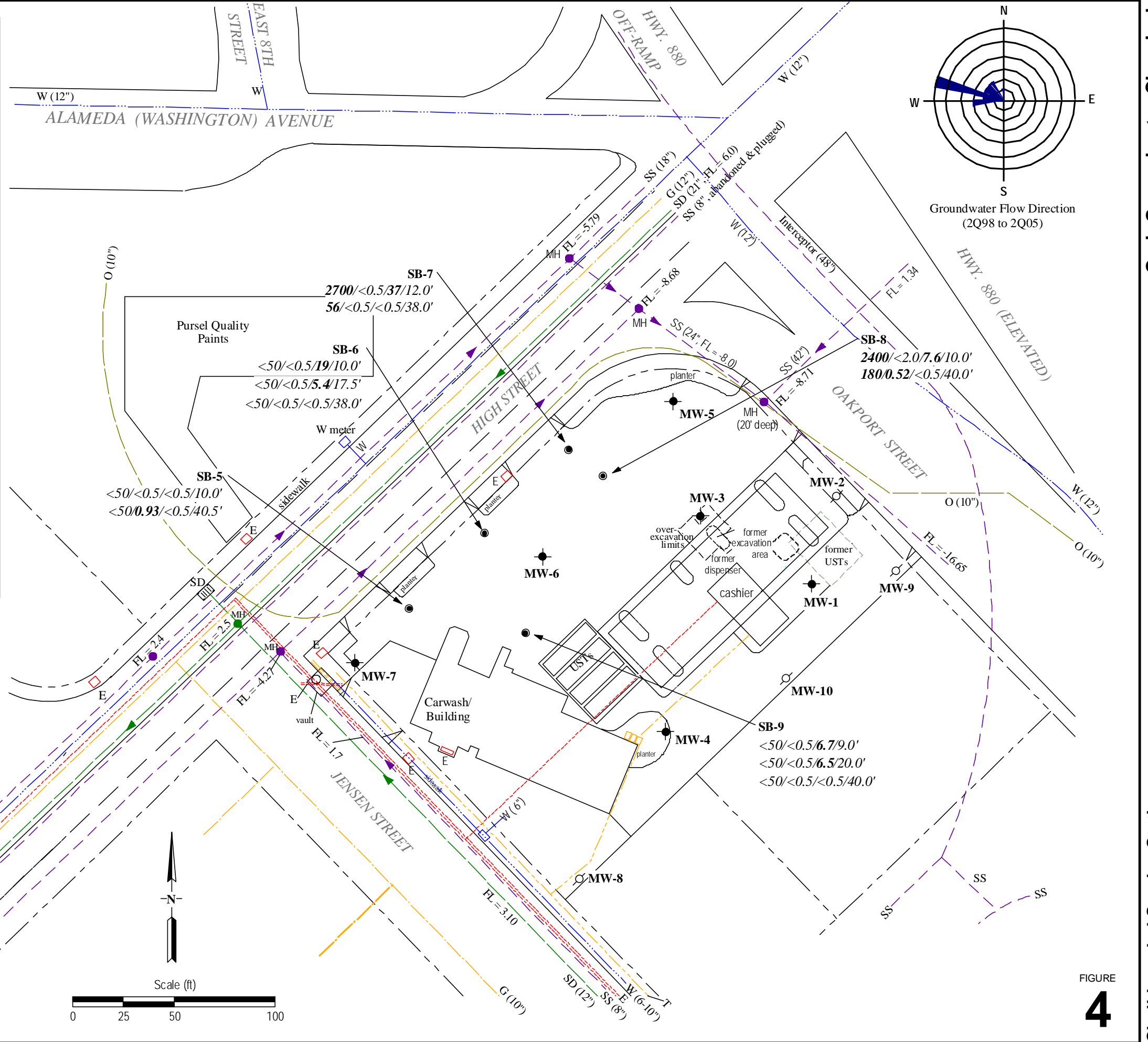
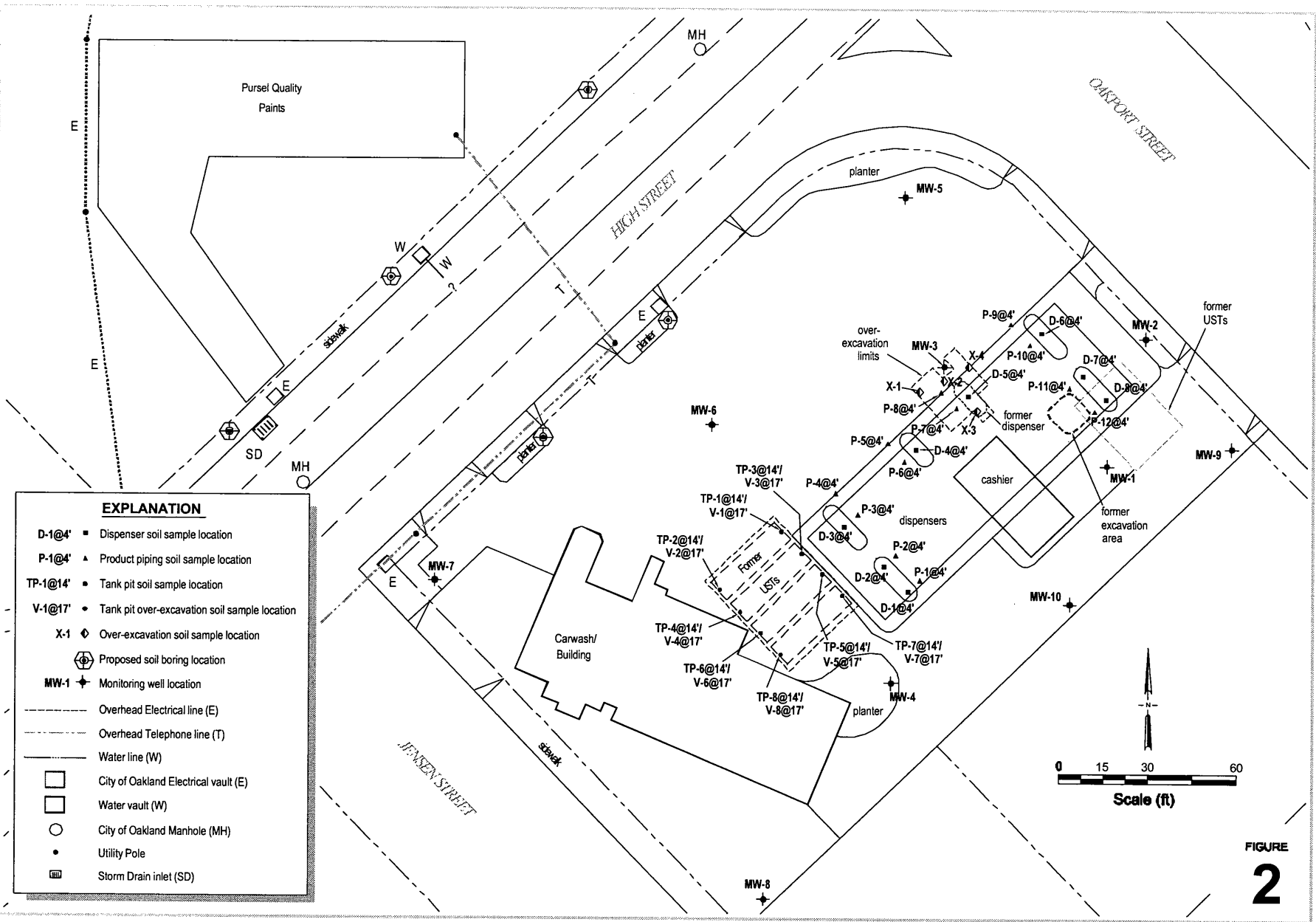


FIGURE  
**4**

## **Appendix A**

### **Historical Sample Location Figures and Historical Monitoring Data Table**

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**EXPLANATION**

- D-1@4' ■ Dispenser soil sample location
- P-1@4' ▲ Product piping soil sample location
- TP-1@14' ● Tank pit soil sample location
- V-1@17' ● Tank pit over-excavation soil sample location
- X-1 ◆ Over-excavation soil sample location
- ⊕ Proposed soil boring location
- MW-1 ◆ Monitoring well location
- Overhead Electrical line (E)
- Overhead Telephone line (T)
- Water line (W)
- City of Oakland Electrical vault (E)
- Water vault (W)
- City of Oakland Manhole (MH)
- Utility Pole
- ▣ Storm Drain inlet (SD)

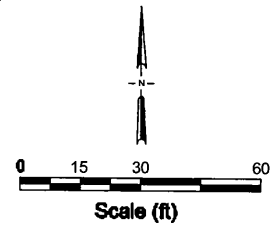
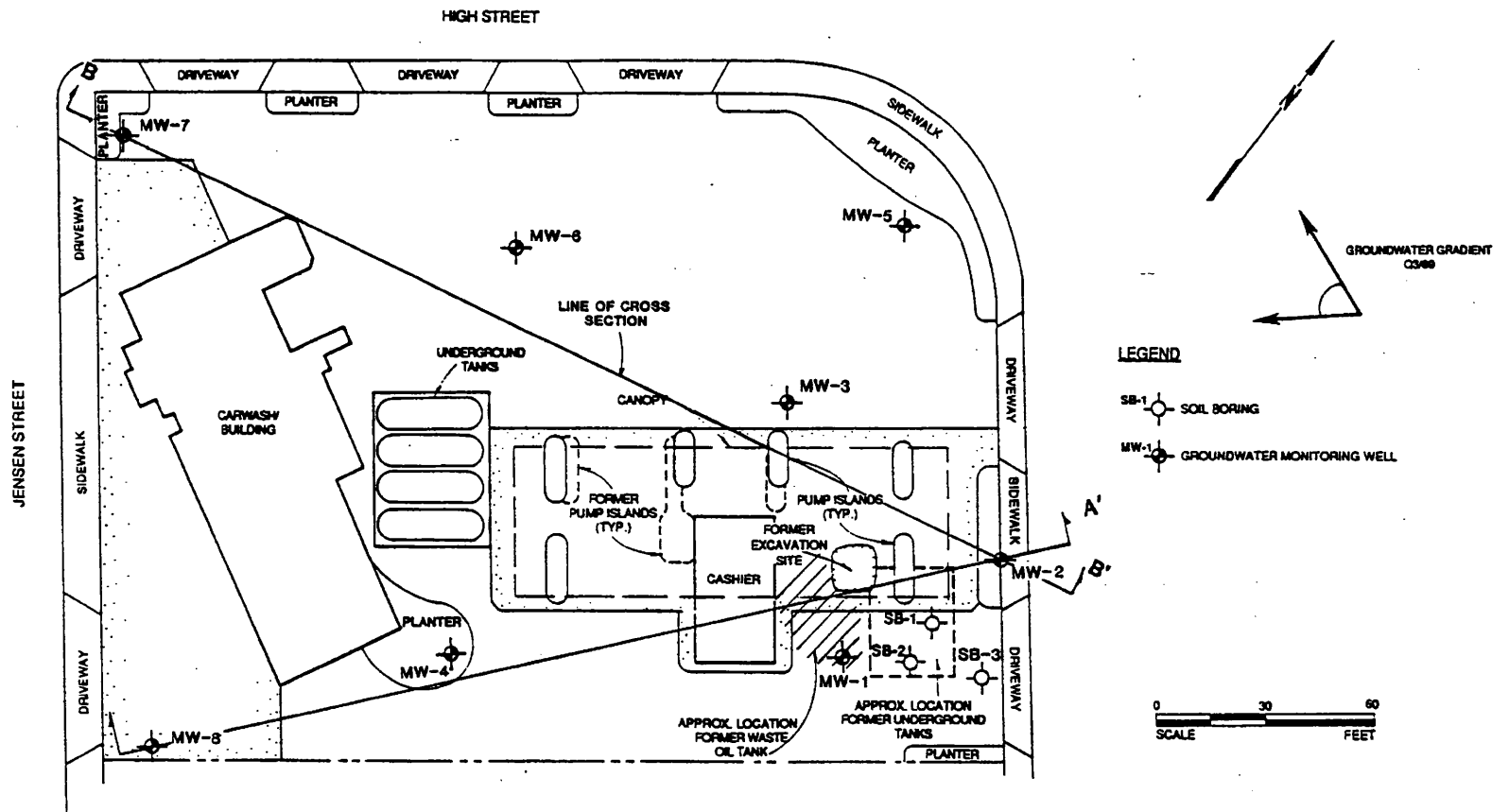


FIGURE  
**2**

Dispenser, Piping, Tank Pit, and Over-Excavation Soil Sample Location Map



**Shell-branded Service Station**  
 630 High Street  
 Oakland, California  
 Incident #98995751



**PLOT PLAN Q3/89**

SHELL OIL COMPANY  
 530 High Street  
 Oakland, California

Scale	AS SHOWN	Project No.	
Date	9/13/89	Drawing No.	88-44-388-01
Prepared By	MILL		
Checked By	MY		
Approved By	OWC		2



**Converse Environmental Consultants California**

Base Map: after Robert H. Lee & Ass. Inc.







Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata  
Project Coordinator

MN/ks

attachments: Cumulative Table of WELL CONCENTRATIONS  
Certified Analytical Report  
Field Data Sheets

cc: Ana Friel  
Cambria Environmental Technology, Inc.  
P.O. Box 259  
Sonoma, CA 95476-0259

**WELL CONCENTRATIONS**  
**Shell-Branded Service Station**  
**630 High Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	01/29/1991	11,000	21,000 a	310	41	500	400	NA	NA	NA	NA	NA	NA	99.35	10.79	88.56	NA
MW-1	04/30/1991	8,300	2,100	250	32	310	300	NA	NA	NA	NA	NA	NA	99.35	9.48	89.87	NA
MW-1	07/22/1991	11,000	3,800	310	36	290	280	NA	NA	NA	NA	NA	NA	99.35	10.53	88.82	NA
MW-1	02/21/1992	7,300	8,900 b	200	36	340	270	NA	NA	NA	NA	NA	NA	99.35	8.31	91.04	NA
MW-1	05/22/1992	7,600	18,000 b,c	140	<50	300	140	NA	NA	NA	NA	NA	NA	99.35	10.02	89.33	NA
MW-1	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.35	10.06	89.29	NA
MW-1	08/20/1992	9,100	5,200 b	530	340	860	540	NA	NA	NA	NA	NA	NA	99.35	10.32	89.03	NA
MW-1	11/18/1992	15,000	4,100 b	220	50	790	340	NA	NA	NA	NA	NA	NA	99.35	10.64	88.71	NA
MW-1	02/09/1993	7,000	1,200	130	23	220	160	NA	NA	NA	NA	NA	NA	99.35	8.71	90.64	NA
MW-1	06/16/1993	4,800	NA	150	31	320	130	NA	NA	NA	NA	NA	NA	99.35	9.71	89.64	1.73/1.58 k
MW-1	08/24/1993	10,000	NA	170	27	610	170	NA	NA	NA	NA	NA	NA	99.35	10.23	89.12	1.49/1.70 k
MW-1	11/23/1993	7,600	NA	190	<12	430	140	NA	NA	NA	NA	NA	NA	99.35	10.48	88.87	1.77/2.80 k
MW-1	02/14/1994	8,000	NA	150	47	210	68	NA	NA	NA	NA	NA	NA	99.35	9.17	90.18	6.2/2.5 k
MW-1	05/25/1994	8,800	NA	95	<10	210	63	NA	NA	NA	NA	NA	NA	99.35	9.52	89.83	NA
MW-1	08/04/1994	6,200	NA	150	14	350	180	NA	NA	NA	NA	NA	NA	99.35	10.51	88.84	NA
MW-1	11/08/1994	7,600	NA	190	<10	480	200	NA	NA	NA	NA	NA	NA	99.35	10.20	89.15	NA
MW-1	02/01/1995	8,200	NA	130	21	170	130	NA	NA	NA	NA	NA	NA	99.35	6.94	92.41	NA
MW-1	05/04/1995	7,000	NA	130	47	190	180	NA	NA	NA	NA	NA	NA	99.35	8.40	90.95	NA
MW-1	05/16/1997	5,600	NA	57	<10	26	29	84	NA	NA	NA	NA	NA	99.35	9.93	89.42	1.5
MW-1	11/03/1997	6,900	NA	81	<10	32	30	170	NA	NA	NA	NA	NA	99.35	10.27	89.08	0.8/0.6 k
MW-1	06/05/1998	4,200	NA	68	7.6	39	69	84	NA	NA	NA	NA	NA	99.35	8.95	90.40	1.0/0.5 k
MW-1	11/06/1998	6,200	NA	87	<2.5	48	55	200	NA	NA	NA	NA	NA	99.35	10.69	88.66	1.2/1.8
MW-1	06/07/1999	5,210	NA	33.6	21.9	7.42	<5.00	153	205	NA	NA	NA	NA	99.35	9.81	89.54	NA
MW-1	06/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.35	9.55	89.80	0.8
MW-1	08/27/1999	6,080	NA	46.0	<20.0	<20.0	26.1	303	429	NA	NA	NA	NA	99.35	10.00	89.35	0.7/1.5
MW-1	11/11/1999	7,660	NA	92.0	20.4	28.2	46.1	520	542	NA	NA	NA	NA	99.35	10.27	89.08	1.3/1.8
MW-1	04/26/2000	3,730	NA	69.4	<5.00	9.42	28.6	206	NA	NA	NA	NA	NA	99.35	9.54	89.81	2.30/2.71
MW-1	11/02/2000	4,930	NA	81.3	5.32	18.3	29.8	440	NA	NA	NA	NA	NA	99.35	8.90	90.45	3.0/3.2

**WELL CONCENTRATIONS**  
**Shell-Branded Service Station**  
**630 High Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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MW-1	05/31/2001	6,800	NA	64	7.1	7.2	28	NA	790	NA	NA	NA	NA	99.35	9.25	90.10	2.3/2.6
MW-1	11/19/2001	6,100	NA	41	4.9	10	25	NA	710	NA	NA	NA	NA	99.35	10.09	89.26	1.2/0.8
MW-1	01/29/2002	7,100	NA	67	5.6	7.3	22	NA	510	NA	NA	NA	NA	99.35	9.13	90.22	4.3/6.0
MW-1	06/05/2002	4,500	NA	47	4.9	8.9	22	NA	880	NA	NA	NA	NA	99.35	9.95	89.40	NA
MW-1	07/31/2002	8,600	NA	41	6.0	17	23	NA	920	NA	NA	NA	NA	12.02	10.34	1.68	NA
MW-1	12/26/2002	6,900	NA	16	2.8	5.2	16	NA	540	NA	NA	NA	NA	12.02	7.56	4.46	NA
MW-1	01/30/2003	7,500	NA	20	3.5	4.9	15	NA	500	NA	NA	NA	NA	12.02	8.49	3.53	NA
MW-1	05/13/2003	7,200	6,300 d	32	<25	<25	<50	NA	650	NA	NA	NA	NA	12.02	8.99	3.03	NA
MW-1	07/29/2003	8,800	NA	50	7.3	16	26	NA	740	NA	NA	NA	NA	12.02	9.98	2.04	NA
MW-1	11/25/2003	8,400	NA	44	7.8	9.7	24	NA	870	NA	NA	NA	NA	12.02	9.92	2.10	NA
MW-1	02/12/2004	5,700	NA	28	5.4	9.1	20	NA	620	NA	NA	NA	NA	12.02	9.04	2.98	NA
MW-1	04/30/2004	8,200	NA	43	6.3	26	24	NA	810	NA	NA	NA	NA	12.02	9.65	2.37	NA
MW-1	08/23/2004	6,300	NA	34	<5.0	21	22	NA	510	<20	<20	<20	630	12.02	10.15	1.87	NA
MW-1	11/08/2004	7,200	NA	19	<5.0	15	19	NA	280	NA	NA	NA	NA	12.02	9.42	2.60	NA
MW-1	02/02/2005	6,800	NA	15	5.0	16	14	NA	130	NA	NA	NA	NA	12.02	8.75	3.27	NA
MW-1	05/09/2005	4,100	NA	<10	<10	21	<20	NA	69	NA	NA	NA	NA	12.02	8.30	3.72	NA
MW-1	08/04/2005	5,500	NA	24	12	13	30	NA	220	<40	<40	<40	230	12.02	9.70	2.32	NA
<b>MW-1</b>	<b>11/03/2005</b>	<b>3,180</b>	<b>2,790 o</b>	<b>26.3</b>	<b>3.67</b>	<b>4.14</b>	<b>9.86</b>	<b>NA</b>	<b>186</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>12.02</b>	<b>10.10</b>	<b>1.92</b>	<b>NA</b>

MW-2	01/29/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	13.25	87.90	NA
MW-2	04/30/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	10.94	90.21	NA
MW-2	07/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	12.14	89.01	NA
MW-2	02/21/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	10.08	91.07	NA
MW-2	05/22/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	11.52	89.63	NA
MW-2	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.50	89.65	NA
MW-2	08/20/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	11.72	89.43	NA
MW-2	11/18/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	13.06	88.09	NA
MW-2	02/09/1993	95	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	10.06	91.09	NA

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MW-2	06/16/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	11.60	89.55	NA
MW-2	08/24/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	12.16	88.99	NA
MW-2	11/23/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	12.74	88.41	NA
MW-2	02/14/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	10.91	90.24	NA
MW-2	05/25/1994	100	NA	1.2	4.9	2.3	13	NA	NA	NA	NA	NA	NA	101.15	11.06	90.09	NA
MW-2	08/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	12.04	89.11	NA
MW-2	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	12.38	88.77	NA
MW-2	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	8.76	92.39	NA
MW-2	05/04/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	101.15	10.20	90.95	NA
MW-2	05/16/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.28	89.87	NA
MW-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.71	89.44	NA
MW-2	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	9.85	91.30	NA
MW-2	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	12.60	88.55	NA
MW-2	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.03	90.12	NA
MW-2	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	19.2	34.5	NA	NA	NA	NA	101.15	10.98	90.17	0.71/4.0
MW-2	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	10.33	90.82	NA
MW-2	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	9.58	91.57	NA
MW-2	11/02/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	10.03	91.12	NA
MW-2	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	10.01	91.14	NA
MW-2	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.63	89.52	NA
MW-2	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	10.12	91.03	NA
MW-2	06/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.15	11.03	90.12	NA
MW-2	07/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	11.43	2.37	NA
MW-2	12/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	9.94	3.86	NA
MW-2	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	10.06	3.74	NA
MW-2	05/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	10.22	3.58	NA
MW-2	07/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	11.30	2.50	NA
MW-2	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	11.73	2.07	NA

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MW-2	02/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	10.32	3.48	NA
MW-2	04/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	10.78	3.02	NA
MW-2	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	11.48	2.32	NA
MW-2	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	11.17	2.63	NA
MW-2	02/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	9.85	3.95	NA
MW-2	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	9.40	4.40	NA
MW-2	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.80	10.96	2.84	NA
MW-2 p	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-3	01/29/1991	2,300	410 a	17	14.1	10	230	NA	NA	NA	NA	NA	NA	99.49	11.09	88.40	NA
MW-3	04/30/1991	<50	260	22	4	7	17	NA	NA	NA	NA	NA	NA	99.49	9.57	89.92	NA
MW-3	07/22/1991	2,000	310	51	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.49	10.66	88.83	NA
MW-3	02/21/1992	2,800	640 d	15	2.8	<2.5	12	NA	NA	NA	NA	NA	NA	99.49	8.97	90.52	NA
MW-3	05/22/1992	3,700	220 b,c	27	11	20	110	NA	NA	NA	NA	NA	NA	99.49	9.32	90.17	NA
MW-3	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	10.22	89.27	NA
MW-3	08/20/1992	13,000	340 b	72	85	71	140	NA	NA	NA	NA	NA	NA	99.49	10.44	89.05	NA
MW-3	11/18/1992	2,100	430 b	21	3.6	11	13	NA	NA	NA	NA	NA	NA	99.49	10.79	88.70	NA
MW-3	02/09/1993	3,300	83	21	5.6	6.1	<0.5	NA	NA	NA	NA	NA	NA	99.49	9.35	90.14	NA
MW-3	06/16/1993	3,500 e	NA	66	6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.49	9.56	89.93	NA
MW-3	08/24/1993	3,400 e	NA	110	<5	<5	<5	NA	NA	NA	NA	NA	NA	99.49	10.51	88.98	NA
MW-3	11/23/1993	3,000	NA	36	44	6.9	23	NA	NA	NA	NA	NA	NA	99.49	10.77	88.72	NA
MW-3	02/14/1994	4,700 g	NA	9.9	5.2	8.8	<5.0	NA	NA	NA	NA	NA	NA	99.49	9.61	89.88	NA
MW-3	05/25/1994	1,200	NA	<10	<10	<10	<10	NA	NA	NA	NA	NA	NA	99.49	10.00	89.49	NA
MW-3	08/04/1994	2,600	NA	29	<5	14	11	NA	NA	NA	NA	NA	NA	99.49	10.63	88.86	NA
MW-3	11/08/1994	2,600	NA	5.5	1.5	1.9	0.9	NA	NA	NA	NA	NA	NA	99.49	11.02	88.47	NA
MW-3	02/01/1995	4,600	NA	27	1.2	3.2	2.5	NA	NA	NA	NA	NA	NA	99.49	8.31	91.18	NA
MW-3	05/04/1995	1,800	NA	140	11	11	16	NA	NA	NA	NA	NA	NA	99.49	8.70	90.79	NA
MW-3	05/16/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	10.30	89.19	NA

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MW-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	10.52	88.97	NA
MW-3	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	9.18	90.31	NA
MW-3	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	11.00	88.49	NA
MW-3	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	10.93	88.56	NA
MW-3	08/27/1999	8,600	NA	2,410	135	279	1,390	26,400	29,500	NA	NA	NA	NA	99.49	10.23	89.26	0.8/0.7
MW-3	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.49	10.46	89.03	NA
MW-3	04/26/2000	7,100	NA	1,310	573	89.2	376	35,000	38,000	NA	NA	NA	NA	99.49	9.45	90.04	2.42/2.63
MW-3	11/02/2000	4,750	NA	1,210	29.3	50.5	125	8,750	8,960	NA	NA	NA	NA	99.49	10.05	89.44	2.0/2.5
MW-3	05/31/2001	5,400	NA	860	<20	29	<20	NA	10,000	NA	NA	NA	NA	99.49	10.38	89.11	1.8/2.0
MW-3	11/19/2001	3,200	NA	440	7.8	8.6	23	NA	3,400	NA	NA	NA	NA	99.49	10.29	89.20	3.1/1.5
MW-3	01/29/2002	2,900	NA	370	<20	<20	57	NA	5,400	NA	NA	NA	NA	99.49	9.07	90.42	5.2/3.8
MW-3	06/05/2002	3,500	NA	370	<10	<10	<10	NA	4,700	NA	NA	NA	NA	99.49	10.03	89.46	NA
MW-3	07/31/2002	4,100	NA	290	<5.0	<5.0	<5.0	NA	2,100	NA	NA	NA	NA	12.12	10.32	1.80	NA
MW-3	12/26/2002	1,500	NA	130	<2.5	<2.5	<2.5	NA	1,300	NA	NA	NA	NA	12.12	8.24	3.88	NA
MW-3	01/30/2003	2,300	NA	220	8.0	<5.0	<5.0	NA	1,800	NA	NA	NA	NA	12.12	9.94	2.18	NA
MW-3	05/13/2003	3,800	1,000 d	230	<10	<10	<20	NA	2,000	NA	NA	NA	NA	12.12	9.53	2.59	NA
MW-3	07/29/2003	5,000	NA	200	<10	<10	<20	NA	1,300	NA	NA	NA	NA	12.12	10.04	2.08	NA
MW-3	11/25/2003	3,100	NA	18	<5.0	7.2	<10	NA	690	NA	NA	NA	NA	12.12	10.34	1.78	NA
MW-3	02/12/2004	2,400	NA	20	<5.0	<5.0	<10	NA	780	NA	NA	NA	NA	12.12	9.75	2.37	NA
MW-3	04/30/2004	2,500	NA	29	<5.0	<5.0	<10	NA	800	NA	NA	NA	NA	12.12	9.78	2.34	NA
MW-3	08/23/2004	4,300	NA	7.5	<5.0	<5.0	<10	NA	530	<20	<20	<20	1,000	12.12	10.30	1.82	NA
MW-3	11/08/2004	4,200	NA	8.9	<5.0	5.7	<10	NA	390	NA	NA	NA	NA	12.12	9.82	2.30	NA
MW-3	02/02/2005	4,400	NA	14	<2.5	<2.5	8.2	NA	320	NA	NA	NA	NA	12.12	9.35	2.77	NA
MW-3	05/09/2005	2,800	NA	19	<5.0	<5.0	<10	NA	320	NA	NA	NA	NA	12.12	8.97	3.15	NA
MW-3	08/04/2005	1,900 n	NA	<5.0	<5.0	<5.0	<10	NA	190	<20	<20	<20	1,900	12.12	9.91	2.21	NA
<b>MW-3</b>	<b>11/03/2005</b>	<b>1,860</b>	<b>864 o</b>	<b>3.82</b>	<b>1.86</b>	<b>0.850</b>	<b>1.10</b>	<b>NA</b>	<b>164</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>12.12</b>	<b>10.17</b>	<b>1.95</b>	<b>NA</b>
MW-4	01/29/1991	2,600	1,300	83	<0.5	<0.5	110	NA	NA	NA	NA	NA	NA	99.24	10.76	88.48	NA

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MW-4	04/30/1991	2,600	750	22	4	7	17	NA	NA	NA	NA	NA	NA	99.24	9.45	89.79	NA
MW-4	07/22/1991	4,300	1,200	120	<0.5	<0.5	10	NA	NA	NA	NA	NA	NA	99.24	10.34	88.90	NA
MW-4	02/21/1992	2,000	8,300 b	31	6.3	3.5	6.6	NA	NA	NA	NA	NA	NA	99.24	7.60	91.64	NA
MW-4	05/22/1992	3,600	3,400 b,c	55	5	3	10	NA	NA	NA	NA	NA	NA	99.24	9.90	89.34	NA
MW-4	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	10.02	89.22	NA
MW-4	08/20/1992	3,100	3,400	100	45	14	45	NA	NA	NA	NA	NA	NA	99.24	10.32	88.92	NA
MW-4	11/18/1992	2,200	1,400	32	12	4.2	24	NA	NA	NA	NA	NA	NA	99.24	10.51	88.73	NA
MW-4	02/09/1993	1,500	180	1.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.24	8.13	91.11	NA
MW-4	06/16/1993	1,100	NA	120	47	5.1	19	NA	NA	NA	NA	NA	NA	99.24	9.60	89.64	1.86/4.82 k
MW-4	08/24/1993	2,700	NA	46	11	25	0.97	NA	NA	NA	NA	NA	NA	99.24	10.05	89.19	1.46/1.27 k
MW-4	11/23/1993	2,500	NA	23	5.7	3.7	16	NA	NA	NA	NA	NA	NA	99.24	10.25	89.99	5.29/6.59 k
MW-4	02/14/1994	1,500	NA	12	7.8	<2.5	<2.5	NA	NA	NA	NA	NA	NA	99.24	8.83	90.41	2.1/1.9 k
MW-4	05/25/1994	810	NA	20	<2	<2	4	NA	NA	NA	NA	NA	NA	99.24	9.64	89.60	NA
MW-4	08/04/1994	2,300	NA	99	15	6.3	24	NA	NA	NA	NA	NA	NA	99.24	10.62	88.62	NA
MW-4	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.24	9.28	89.96	NA
MW-4	02/01/1995	960	NA	5.6	2.2	2.6	2.8	NA	NA	NA	NA	NA	NA	99.24	6.52	92.72	NA
MW-4	05/04/1995	960	NA	20	4.7	3.7	5.6	NA	NA	NA	NA	NA	NA	99.24	8.40	90.84	NA
MW-4	05/16/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.35	89.89	NA
MW-4	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	10.17	89.07	NA
MW-4	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	8.85	90.39	NA
MW-4	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	10.17	89.07	NA
MW-4	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	11.06	88.18	NA
MW-4	08/27/1999	1,520	NA	32.8	6.25	<2.50	5.65	61.5	<2.00	NA	NA	NA	NA	99.24	10.25	88.99	1.0/1.4
MW-4	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	10.11	89.13	NA
MW-4	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.18	90.06	NA
MW-4	11/02/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.72	89.52	NA
MW-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.29	89.95	NA
MW-4	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.98	89.26	NA

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MW-4	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	9.12	90.12	NA
MW-4	06/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.24	10.09	89.15	NA
MW-4	07/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	10.30	1.60	NA
MW-4	12/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	7.22	4.68	NA
MW-4	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.02	2.88	NA
MW-4	05/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	8.82	3.08	NA
MW-4	07/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.88	2.02	NA
MW-4	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.84	2.06	NA
MW-4	02/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.08	2.82	NA
MW-4	04/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.62	2.28	NA
MW-4	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.90	2.00	NA
MW-4	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.54	2.36	NA
MW-4	02/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	8.68	3.22	NA
MW-4	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	8.23	3.67	NA
MW-4	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.90	9.31	2.59	NA
MW-5	01/29/1991	3,100	720	86	<0.5	24	28	NA	NA	NA	NA	NA	NA	100.08	11.72	88.36	NA
MW-5	04/30/1991	<50	90	46	<0.5	9	9	NA	NA	NA	NA	NA	NA	100.08	10.45	89.63	NA
MW-5	07/22/1991	1,700	300	23	<0.5	6,700	10,000	NA	NA	NA	NA	NA	NA	100.08	11.43	88.65	NA
MW-5	02/21/1992	240	180 h	1	<0.5	<0.5	1	NA	NA	NA	NA	NA	NA	100.08	9.24	90.84	NA
MW-5	05/22/1992	6,200	7,100 b,c	6	95	56	99	NA	NA	NA	NA	NA	NA	100.08	10.97	89.11	NA
MW-5	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.08	10.98	89.10	NA
MW-5	08/20/1992	7,400	120 b	56	95	91	150	NA	NA	NA	NA	NA	NA	100.08	11.14	88.94	NA
MW-5	11/18/1992	3,300	320 b	27	<12.5	20	470	NA	NA	NA	NA	NA	NA	100.08	11.21	88.87	NA
MW-5	02/09/1993	160	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.08	10.01	90.07	NA
MW-5	06/16/1993	140	NA	0.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.08	11.05	89.03	1.53/2.72 k
MW-5	08/24/1993	1,000	NA	7.9	<1	2.2	<1.5	NA	NA	NA	NA	NA	NA	100.08	11.32	88.76	2.69/1.41 k
MW-5	11/23/1993	2,000	NA	67	15	11	33	NA	NA	NA	NA	NA	NA	100.08	11.35	88.73	8.20/3.09 k



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MW-5	02/14/1994	660	NA	1.3	<0.5	0.5	0.7	NA	NA	NA	NA	NA	NA	100.08	10.34	89.74	2.0/1.9 k
MW-5	05/25/1994	670	NA	0.65	<0.5	2.6	<0.5	NA	NA	NA	NA	NA	NA	100.08	10.54	89.54	NA
MW-5	08/04/1994	700	NA	5	<0.5	1.2	<0.5	NA	NA	NA	NA	NA	NA	100.08	11.50	88.58	NA
MW-5	11/08/1994	810	NA	4.2	<0.5	1.5	0.8	NA	NA	NA	NA	NA	NA	100.08	11.24	88.84	NA
MW-5	02/01/1995	110	NA	7	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	100.08	9.05	91.03	NA
MW-5	05/04/1995	260	NA	3.1	1.3	2	1.5	NA	NA	NA	NA	NA	NA	100.08	10.35	89.73	NA
MW-5	05/16/1997	440	NA	2.4	3.1	1.6	3.3	7.1	NA	NA	NA	NA	NA	100.08	11.21	88.87	2.9
MW-5	11/03/1997	1,400	NA	34	<2.5	2.8	4.4	33	NA	NA	NA	NA	NA	100.08	11.43	88.65	3.0/1.2 k
MW-5	06/05/1998	230	NA	3.6	0.5	<0.50	1.3	34	NA	NA	NA	NA	NA	100.08	10.35	89.73	3.2/1.4 k
MW-5	11/06/1998	1,800	NA	29	<0.50	3.8	7.1	26	NA	NA	NA	NA	NA	100.08	11.89	88.19	2.6/3.0
MW-5	06/07/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	19.5	NA	NA	NA	NA	NA	100.08	10.28	89.80	NA
MW-5	06/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.08	10.74	89.34	0.6
MW-5	08/27/1999	254	NA	5.09	1.08	<0.500	<0.500	9.97	12.0	NA	NA	NA	NA	100.08	11.01	89.07	NA
MW-5	11/11/1999	549	NA	16.4	3.29	2.18	3.16	18.2	NA	NA	NA	NA	NA	100.08	11.33	88.75	2.3/2.7
MW-5	04/26/2000	338	NA	0.787	2.30	<0.500	3.01	21.7	NA	NA	NA	NA	NA	100.08	10.32	89.76	1.99/3.01
MW-5	11/02/2000	507	NA	0.659	2.39	2.70	3.88	20.0	NA	NA	NA	NA	NA	100.08	10.75	89.33	4.0/2.0
MW-5	05/31/2001	67	NA	<0.50	<0.50	<0.50	<0.50	NA	87	NA	NA	NA	NA	100.08	10.53	89.55	3.8/2.1
MW-5	11/19/2001	850	NA	2.8	1.4	2.3	8.5	NA	57	NA	NA	NA	NA	100.08	10.88	89.20	2.6/1.9
MW-5	01/29/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	95	NA	NA	NA	NA	100.08	9.95	90.13	5.5/3.6
MW-5	06/05/2002	140	NA	<0.50	<0.50	<0.50	<0.50	NA	36	NA	NA	NA	NA	100.08	10.73	89.35	NA
MW-5	07/31/2002	520	NA	1.1	2.0	<0.50	<0.50	NA	45	NA	NA	NA	NA	12.72	11.00	1.72	NA
MW-5	12/26/2002	1,300	NA	75	3.7	<2.0	310	NA	600	NA	NA	NA	NA	12.72	9.24	3.48	NA
MW-5	01/30/2003	<50	NA	0.73	<0.50	1.4	<0.50	NA	120	NA	NA	NA	NA	12.72	10.05	2.67	NA
MW-5	05/13/2003	210	100 d	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	12.72	9.99	2.73	NA
MW-5	07/29/2003	490	NA	<0.50	<0.50	<0.50	<1.0	NA	45	NA	NA	NA	NA	12.72	10.82	1.90	NA
MW-5	11/25/2003	280 m	NA	<0.50	<0.50	<0.50	<1.0	NA	35	NA	NA	NA	NA	12.72	11.01	1.71	NA
MW-5	02/12/2004	710 m	NA	<0.50	<0.50	<0.50	<1.0	NA	49	NA	NA	NA	NA	12.72	10.13	2.59	NA
MW-5	04/30/2004	130 m	NA	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	NA	12.72	10.62	2.10	NA

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MW-5	08/23/2004	610	NA	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	12.72	10.42	2.30	NA
MW-5	11/08/2004	420	NA	<0.50	<0.50	<0.50	<1.0	NA	35	NA	NA	NA	NA	12.72	10.60	2.12	NA
MW-5	02/02/2005	510	NA	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	12.72	9.80	2.92	NA
MW-5	05/09/2005	170	NA	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	12.72	9.38	3.34	NA
MW-5	08/04/2005	290	NA	<0.50	<0.50	<0.50	<2.0	NA	19	NA	NA	NA	<60	12.72	10.72	2.00	NA
<b>MW-5</b>	<b>11/03/2005</b>	<b>107</b>	<b>208 o</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>NA</b>	<b>18.6</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>12.72</b>	<b>10.99</b>	<b>1.73</b>	<b>NA</b>
MW-6	01/29/1991	<50	860	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	10.23	88.33	NA
MW-6	04/30/1991	<50	1,100	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	9.15	89.41	NA
MW-6	07/22/1991	<50	1,200	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	10.10	88.46	NA
MW-6	02/21/1992	<50	60 d	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	7.15	91.41	NA
MW-6	05/22/1992	<50	650 c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	9.55	89.01	NA
MW-6	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.56	9.53	89.03	NA
MW-6	08/20/1992	140 e	510 c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	9.84	88.72	NA
MW-6	11/18/1992	200 e	350	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	10.03	88.53	NA
MW-6	02/09/1993	14,000 e	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	7.91	90.65	NA
MW-6	06/16/1993	5,700 e	NA	<0.5	22	<0.5	34	NA	NA	NA	NA	NA	NA	98.56	8.74	89.82	8.46/9.73 k
MW-6	08/24/1993	4,300 e	NA	<12.5	<12.5	<12.5	<12.5	NA	NA	NA	NA	NA	NA	98.56	9.66	88.90	2.15/1.52 k
MW-6	11/23/1993	3,300 e	NA	<12	<12	<12	<12	NA	NA	NA	NA	NA	NA	98.56	9.86	88.70	3.86/6.75 k
MW-6	02/14/1994	14,000 e	NA	<12.5	<12.5	<12.5	<12.5	NA	NA	NA	NA	NA	NA	98.56	8.27	90.29	2.3/5.2 k
MW-6	05/25/1994	<1,000 i	NA	<10	<10	<10	<10	NA	NA	NA	NA	NA	NA	98.56	8.89	89.67	NA
MW-6	08/04/1994	250 j	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	10.10	88.46	NA
MW-6	11/08/1994	4,600 e	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	8.98	89.58	NA
MW-6	02/01/1995	710	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	7.07	91.49	NA
MW-6	05/04/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.56	8.56	90.00	NA
MW-6	05/16/1997	<500	NA	<5.0	<5.0	<5.0	<5.0	1,700	NA	NA	NA	NA	NA	98.56	9.57	88.99	6.2
MW-6	11/03/1997	<500	NA	<5.0	<5.0	<5.0	<5.0	990	NA	NA	NA	NA	NA	98.56	9.76	88.80	1.4/1.0 k
MW-6	06/05/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	590	NA	NA	NA	NA	NA	98.56	8.50	90.06	1.5/1.1 k

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	11/06/1998	<250	NA	<2.5	<2.5	<2.5	<2.5	810	NA	NA	NA	NA	NA	98.56	10.00	88.56	2.0/1.4
MW-6	06/07/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	71.5	NA	NA	NA	NA	NA	98.56	9.35	89.21	NA
MW-6	06/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.56	9.20	89.36	1.9
MW-6	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	197	276	NA	NA	NA	NA	98.56	9.52	89.04	1.5/7.8
MW-6	11/11/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	212	NA	NA	NA	NA	NA	98.56	9.87	88.69	1.4/1.7
MW-6	04/26/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	236	NA	NA	NA	NA	NA	98.56	9.13	89.43	1.93/2.90
MW-6	11/02/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	497	NA	NA	NA	NA	NA	98.56	9.13	89.43	2.5/3.5
MW-6	05/31/2001	<2,000	NA	<20	<20	<20	<20	NA	5,400	NA	NA	NA	NA	98.56	9.22	89.34	1.8/2.1
MW-6	11/19/2001	<500	NA	5.0	<5.0	<5.0	18	NA	2,600	NA	NA	NA	NA	98.56	9.48	89.08	2.5/1.9
MW-6	01/29/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	1,000	NA	NA	NA	NA	98.56	8.12	90.44	5.6/4.3
MW-6	06/05/2002	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	650	NA	NA	NA	NA	98.56	9.58	88.98	NA
MW-6	07/31/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	860	NA	NA	NA	NA	11.21	9.90	1.31	NA
MW-6	12/26/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	200	NA	NA	NA	NA	11.21	7.13	4.08	NA
MW-6	01/30/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	57	NA	NA	NA	NA	11.21	8.11	3.10	NA
MW-6	05/13/2003	<50	180 d	<0.50	<0.50	<0.50	<1.0	NA	40	NA	NA	NA	NA	11.21	8.69	2.52	NA
MW-6	07/29/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	11.21	9.52	1.69	NA
MW-6	11/25/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	44	NA	NA	NA	NA	11.21	9.42	1.79	NA
MW-6	02/12/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	40	NA	NA	NA	NA	11.21	8.86	2.35	NA
MW-6	04/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	NA	11.21	9.41	1.80	NA
MW-6	08/23/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	43	<2.0	<2.0	<2.0	<5.0	11.21	9.67	1.54	NA
MW-6	11/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	34	NA	NA	NA	NA	11.21	8.91	2.30	NA
MW-6	02/02/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	11.21	8.50	2.71	NA
MW-6	05/09/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	11.21	8.10	3.11	NA
MW-6	08/04/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	23	<2.0	<2.0	<2.0	<5.0	11.21	8.92	2.29	NA
<b>MW-6</b>	<b>11/03/2005</b>	<b>&lt;50.0</b>	<b>&lt;100 o</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>NA</b>	<b>31.6</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>11.21</b>	<b>9.45</b>	<b>1.76</b>	<b>NA</b>
MW-7	01/29/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.91	88.62	NA
MW-7	04/30/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.38	89.15	NA

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MW-7	07/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	9.13	88.40	NA
MW-7	02/21/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	6.87	90.66	NA
MW-7	05/22/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.08	89.45	NA
MW-7	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.53	8.82	88.71	NA
MW-7	08/20/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.89	88.64	NA
MW-7	11/18/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	9.54	87.99	NA
MW-7	02/09/1993	72	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	7.84	89.69	NA
MW-7	06/16/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	7.80	89.73	NA
MW-7	08/24/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.51	89.02	NA
MW-7	11/23/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.70	88.83	NA
MW-7	02/14/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	7.52	90.01	NA
MW-7	05/25/1994	<50	NA	<0.5	0.63	<0.5	0.93	NA	NA	NA	NA	NA	NA	97.53	9.04	88.49	NA
MW-7	08/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.53	9.80	87.83	NA
MW-7	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.45	89.08	NA
MW-7	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.53	5.51	92.02	NA
MW-7	05/04/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.53	8.34	89.19	NA
MW-7	05/16/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.7	NA	NA	NA	NA	NA	97.53	8.80	88.73	2.8
MW-7	11/03/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	97.53	8.95	88.58	1.6/1.2 k
MW-7	06/05/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	4.3	NA	NA	NA	NA	NA	97.53	7.75	89.78	1.5/1.1 k
MW-7	11/06/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	4.5	NA	NA	NA	NA	NA	97.53	9.20	88.33	4.1/2.2
MW-7	06/07/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	97.53	8.39	89.14	NA
MW-7	06/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.53	8.43	89.10	0.4
MW-7	06/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.53	8.43	89.10	0.4
MW-7	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	4.33	NA	NA	NA	NA	97.53	8.82	88.71	1.3/1.9
MW-7	11/11/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.30	NA	NA	NA	NA	NA	97.53	8.64	88.89	1.1/1.0
MW-7	04/26/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	6.59	NA	NA	NA	NA	NA	97.53	8.31	89.22	1.09/2.41
MW-7	11/02/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.38	NA	NA	NA	NA	NA	97.53	7.80	89.73	4.0/4.0
MW-7	05/31/2001	<50	NA	<0.50	1.4	<0.50	4.6	NA	5.3	NA	NA	NA	NA	97.53	7.61	89.92	3.2/3.3

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MW-7	11/19/2001	<50	NA	0.64	0.86	1.6	6.1	NA	7.3	NA	NA	NA	NA	97.53	9.11	88.42	2.6/2.1
MW-7	01/29/2002	<50	NA	0.70	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	97.53	7.85	89.68	2.1/2.3
MW-7	06/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	97.53	8.68	88.85	NA
MW-7	07/31/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.17	8.94	1.23	NA
MW-7	12/26/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.17	6.05	4.12	NA
MW-7	01/30/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.17	7.38	2.79	NA
MW-7	05/13/2003	<50	85 d	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	10.17	7.74	2.43	NA
MW-7	07/29/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	2.3	NA	NA	NA	NA	10.17	8.45	1.72	NA
MW-7	11/25/2003	140	NA	<0.50	8.7	2.0	10	NA	2.0	NA	NA	NA	NA	10.17	8.47	1.70	NA
MW-7	02/12/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	2.8	NA	NA	NA	NA	10.17	7.63	2.54	NA
MW-7	04/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	2.2	NA	NA	NA	NA	10.17	9.29	0.88	NA
MW-7	08/23/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.9	<2.0	<2.0	<2.0	<5.0	10.17	8.68	1.49	NA
MW-7	11/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.7	NA	NA	NA	NA	10.17	8.19	1.98	NA
MW-7	02/02/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.9	NA	NA	NA	NA	10.17	7.65	2.52	NA
MW-7	05/09/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.0	NA	NA	NA	NA	10.17	7.20	2.97	NA
MW-7	08/04/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.0	<2.0	<2.0	<2.0	<5.0	10.17	7.95	2.22	NA
<b>MW-7</b>	<b>11/03/2005</b>	<b>&lt;50.0</b>	<b>&lt;100 o</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>NA</b>	<b>1.21</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>10.17</b>	<b>8.25</b>	<b>1.92</b>	<b>NA</b>
MW-8	01/29/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	8.47	88.66	NA
MW-8	04/30/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	7.64	89.49	NA
MW-8	07/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	8.36	88.77	NA
MW-8	02/21/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	6.54	90.59	NA
MW-8	05/22/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	7.68	89.45	NA
MW-8	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	8.16	88.97	NA
MW-8	08/20/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	8.25	88.88	NA
MW-8	11/18/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	8.32	88.81	NA
MW-8	02/09/1993	63	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	5.58	91.55	NA
MW-8	06/16/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	7.19	89.94	NA

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MW-8	08/24/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	7.98	89.15	NA
MW-8	11/23/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	8.09	89.04	NA
MW-8	02/14/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	9.42	87.71	NA
MW-8	05/25/1994	<50	NA	<0.5	1.1	<0.5	2.5	NA	NA	NA	NA	NA	NA	97.13	7.18	89.95	NA
MW-8	08/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	8.51	88.62	NA
MW-8	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	6.24	90.89	NA
MW-8	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	3.94	93.19	NA
MW-8	05/04/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	97.13	5.04	92.09	NA
MW-8	05/16/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.65	89.48	NA
MW-8	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.03	90.10	NA
MW-8	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	6.47	90.66	NA
MW-8	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	8.27	88.86	NA
MW-8	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	8.69	88.44	NA
MW-8	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	97.13	7.82	89.31	1.5/2.0
MW-8	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.91	89.22	NA
MW-8	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.10	90.03	NA
MW-8	11/02/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.95	89.18	NA
MW-8	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.22	89.91	NA
MW-8	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.70	89.43	NA
MW-8	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	6.64	90.49	NA
MW-8	06/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.13	7.78	89.35	NA
MW-8	07/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	8.24	1.51	NA
MW-8	12/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.13	3.62	NA
MW-8	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.48	3.27	NA
MW-8	05/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.80	2.95	NA
MW-8	07/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.75	2.00	NA
MW-8	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.53	2.22	NA
MW-8	02/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.65	3.10	NA

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MW-8	04/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.33	2.42	NA
MW-8	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.95	1.80	NA
MW-8	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	7.07	2.68	NA
MW-8	02/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.50	3.25	NA
MW-8	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.00	3.75	NA
MW-8	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.75	6.52	3.23	NA
MW-8 p	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-9	01/29/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.27	91.45	NA
MW-9	04/30/1991	<50	<50	0.6	<0.5	<0.5	1.1	NA	NA	NA	NA	NA	NA	99.72	7.62	92.10	NA
MW-9	07/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.48	91.24	NA
MW-9	02/21/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	6.91	92.81	NA
MW-9	05/22/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.64	91.08	NA
MW-9	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.55	92.17	NA
MW-9	08/20/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	7.38	92.34	NA
MW-9	11/18/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	10.17	89.55	NA
MW-9	02/09/1993	290	110	6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	6.89	92.83	NA
MW-9	06/16/1993	90 e	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.74	90.98	1.51/2.17 k
MW-9	08/24/1993	50 e	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.32	91.40	2.86/2.74 k
MW-9	11/23/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	8.17	91.55	3.41/3.78 k
MW-9	02/14/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	7.67	92.05	4.6/5.2 k
MW-9	05/25/1994	56	NA	1.3	4	1.4	8.3	NA	NA	NA	NA	NA	NA	99.72	7.89	91.83	NA
MW-9	08/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	9.76	89.96	NA
MW-9	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	7.75	91.97	NA
MW-9	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	5.66	94.06	NA
MW-9	05/04/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	99.72	7.40	92.32	NA
MW-9	05/16/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.72	92.00	NA
MW-9	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	6.93	92.79	NA

**WELL CONCENTRATIONS**  
**Shell-Branded Service Station**  
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**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-9	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.23	92.49	NA
MW-9	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	9.91	89.81	NA
MW-9	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	9.03	90.69	NA
MW-9	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	99.72	7.45	92.27	3.5/4.3
MW-9	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.40	92.32	NA
MW-9	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.66	92.06	NA
MW-9	11/02/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	8.41	91.31	NA
MW-9	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	8.02	91.70	NA
MW-9	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	8.40	91.32	NA
MW-9	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	7.83	91.89	NA
MW-9	06/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.72	8.34	91.38	NA
MW-9	07/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.54	3.80	NA
MW-9	12/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	7.12	5.22	NA
MW-9	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	7.95	4.39	NA
MW-9	05/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	7.58	4.76	NA
MW-9	07/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.53	3.81	NA
MW-9	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.67	3.67	NA
MW-9	02/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.22	4.12	NA
MW-9	04/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.35	3.99	NA
MW-9	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	9.31	3.03	NA
MW-9	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.60	3.74	NA
MW-9	02/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	7.05	5.29	NA
MW-9	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	6.62	5.72	NA
MW-9	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.34	8.32	4.02	NA
MW-9 p	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	01/29/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	10.81	88.18	NA
MW-10	04/30/1991	<50	460	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	8.79	90.20	NA



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**630 High Street**  
**Oakland, CA**

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MW-10	07/22/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.94	89.05	NA
MW-10	02/21/1992	<50	120	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.11	89.88	NA
MW-10	05/22/1992	<50	310	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.14	89.85	NA
MW-10	07/07/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	9.87	89.12	NA
MW-10	08/20/1992	<50	460	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.30	89.69	NA
MW-10	11/18/1992	<50	470	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	10.21	88.78	NA
MW-10	02/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	7.63	91.36	NA
MW-10	06/16/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	8.57	90.42	NA
MW-10	08/24/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.61	89.38	NA
MW-10	11/23/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	10.10	88.89	NA
MW-10	02/14/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.01	89.98	NA
MW-10	05/25/1994	<50	NA	<0.5	1.1	<0.5	1.4	NA	NA	NA	NA	NA	NA	98.99	8.84	90.15	NA
MW-10	08/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	9.82	89.17	NA
MW-10	11/08/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	9.40	89.59	NA
MW-10	02/01/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	6.78	92.21	NA
MW-10	05/04/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	7.00	91.99	NA
MW-10	05/16/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.99	8.66	90.33	NA
MW-10	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	9.37	89.62	NA
MW-10	06/05/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	7.27	91.72	NA
MW-10	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	9.48	89.51	NA
MW-10	06/07/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	8.72	90.27	NA
MW-10	08/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA	98.99	8.62	90.37	1.6/1.6
MW-10	11/11/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	8.55	90.44	NA
MW-10	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	7.39	91.60	NA
MW-10	11/02/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	8.26	90.73	NA
MW-10	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	7.98	91.01	NA
MW-10	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	9.34	89.65	NA
MW-10	01/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	7.34	91.65	NA

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**Oakland, CA**

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MW-10	06/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.99	8.11	90.88	NA
MW-10	07/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.63	2.97	NA
MW-10	12/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.50	3.10	NA
MW-10	01/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.30	3.30	NA
MW-10	05/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.17	3.43	NA
MW-10	07/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.62	2.98	NA
MW-10	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	9.24	2.36	NA
MW-10	02/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.14	3.46	NA
MW-10	04/30/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.31	3.29	NA
MW-10	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.85	2.75	NA
MW-10	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	8.91	2.69	NA
MW-10	02/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	7.55	4.05	NA
MW-10	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	6.99	4.61	NA
MW-10	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.60	7.38	4.22	NA
MW-10 p	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
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**630 High Street**  
**Oakland, CA**

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

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

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

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

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not Applicable

n/n = 1st case volume/3rd case volume DO's

ppm = parts per million

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

- a = Compounds detected and calculated as TEPH do not match the diesel standard; pattern is characteristic of weathered diesel.
  - b = Concentration reported as TEPH is primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene.
  - c = Concentration reported as TEPH is primarily due to a heavier petroleum product, possibly motor oil or aged diesel fuel.
  - d = Compounds detected within the TEPH range are not characteristic of the standard diesel chromatographic pattern.
  - e = Concentration reported as TPPH is primarily due to the presence of a discrete hydrocarbon peak not indicative of gasoline.
  - f = 26 ug/L benzene detected using EPA Method 8240.
  - g = The concentration reported as TPPH is due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
  - h = Compounds detected and calculated as TPPH appear to be the less volatile constituents of gasoline.
  - i = Sample diluted due to high non-hydrocarbon peak.
  - j = The positive result has an atypical pattern for gasoline analysis.
  - k = Field measurement of DO concentrations before and after well purging.
  - l = This sample was analyzed outside of EPA recommended holding time.
  - m = Hydrocarbon does not match pattern of laboratory's standard.
  - n = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
  - o = Silica Gel clean-up performed on extracts.
  - p = Well destroyed on October 6, 2005.
- Survey information provided by Cambria Environmental Technology in October, 2002.  
 Well MW-4 not accessed during November 3, 2005 event due to Blaine Tech Services' error.

## **Appendix B**

### **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: 12/07/2005 By jamesy**  
**Permits Issued: W2005-1172**

**Receipt Number: WR2005-2232**  
**Permits Valid from 01/16/2006 to 01/18/2006**

**Application Id:** 1133976144328  
**Site Location:** 630 High St, Oakland, CA, 94601  
**Project Start Date:** 01/16/2006

**City of Project Site:Oakland**

**Completion Date:01/18/2006**

**Applicant:** Cambria - Scott Lewis  
270 Perkins St., Sonoma, CA 95476  
**Property Owner:** Shell Oil Products US  
20995 Wilmington Avenue, Carson, CA 90810  
**Client:** \*\* same as Property Owner \*\*

**Phone: 707-935-6649**

**Phone: 707-865-0251**

**Total Due:** \$200.00  
**Total Amount Paid:** \$200.00  
**Paid By: CHECK** **PAID IN FULL**

## Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 4 Boreholes  
Driller: Gregg Insitu, Inc - Lic #: 656407 - Method: DP

**Work Total: \$200.00**

### Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-1172	12/07/2005	04/16/2006	4	3.00 in.	40.00 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 Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. 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.
6. 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.

**Appendix C**

**Gregg In Situ, Inc.  
Cone Penetration Test Data**



GREGG DRILLING AND TESTING, INC.

ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION SERVICES

January 24, 2006

Cambria  
Attn: Kevin Taylor  
270 Perkins St.  
Sonoma, California 95476

Subject: CPT Site Investigation  
630 High St.  
Oakland, California  
GREGG Project Number: 06-016MA

Dear Mr. Taylor:

The following report presents the results of GREGG Drilling & Testing's Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	<input checked="" type="checkbox"/>
2	Pore Pressure Dissipation Tests	(PPD)	<input type="checkbox"/>
3	Seismic Cone Penetration Tests	(SCPTU)	<input type="checkbox"/>
4	Resistivity Cone Penetration Tests	(RCPTU)	<input type="checkbox"/>
5	UVIF Cone Penetration Tests	(UVIFCPTU)	<input type="checkbox"/>
6	Groundwater Sampling	(GWS)	<input checked="" type="checkbox"/>
7	Soil Sampling	(SS)	<input checked="" type="checkbox"/>
8	Vapor Sampling	(VS)	<input type="checkbox"/>
9	Vane Shear Testing	(VST)	<input type="checkbox"/>
10	SPT Energy Calibration	(SPTE)	<input type="checkbox"/>

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (925) 313-5800.

Sincerely,  
GREGG Drilling & Testing, Inc.

Mary Walden  
Operations Manager





# **APPENDIX CPT**



# Cone Penetration Test Data & Interpretation

Soil behavior type and stratigraphic interpretation is based on relationships between cone bearing ( $q_c$ ), sleeve friction ( $f_s$ ), and pore water pressure ( $u_2$ ). The friction ratio ( $R_f$ ) is a calculated parameter defined by  $100f_s/q_c$  and is used to infer soil behavior type. Generally:

Cohesive soils (clays)

- High friction ratio ( $R_f$ ) due to small cone bearing ( $q_c$ )
- Generate large excess pore water pressures ( $u_2$ )

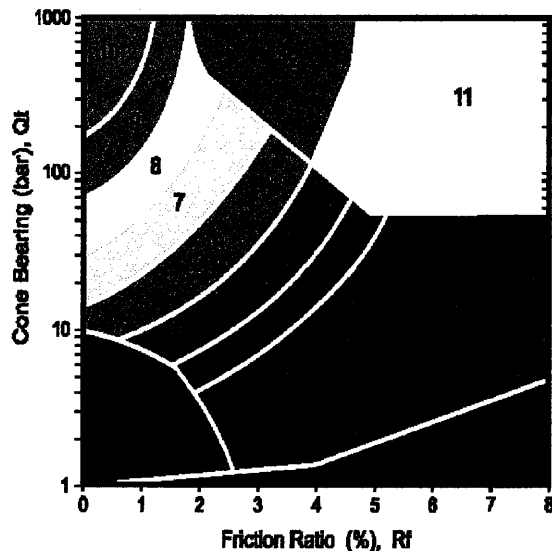
Cohesionless soils (sands)

- Low friction ratio ( $R_f$ ) due to large cone bearing ( $q_c$ )
- Generate very little excess pore water pressures ( $u_2$ )

A complete set of baseline readings are taken prior to and at the completion of each sounding to determine temperature shifts and any zero load offsets. Corrections for temperature shifts and zero load offsets can be extremely important, especially when the recorded loads are relatively small. In sandy soils, however, these corrections are generally negligible.

The cone penetration test data collected from your site is presented in graphical form in Appendix CPT. The data includes CPT logs of measured soil parameters, computer calculations of interpreted soil behavior types (SBT), and additional geotechnical parameters. A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface.

Soil interpretation for this project was conducted using recent correlations developed by Robertson, 1990, *Figure SBT*. Note that it is not always possible to clearly identify a soil type based solely on  $q_c$ ,  $f_s$ , and  $u_2$ . In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type.



ZONE	Qt/N	SBT
1	2	Sensitive, fine grained
2	1	Organic materials
3	1	Clay
4	1.5	Silty clay to clay
5	2	Clayey silt to silty clay
6	2.5	Sandy silt to clayey silt
7	3	Silty sand to sandy silt
8	4	Sand to silty sand
9	5	Sand
10	6	Gravelly sand to sand
11	1	Very stiff fine grained*
12	2	Sand to clayey sand*

\*over consolidated or cemented

Figure SBT

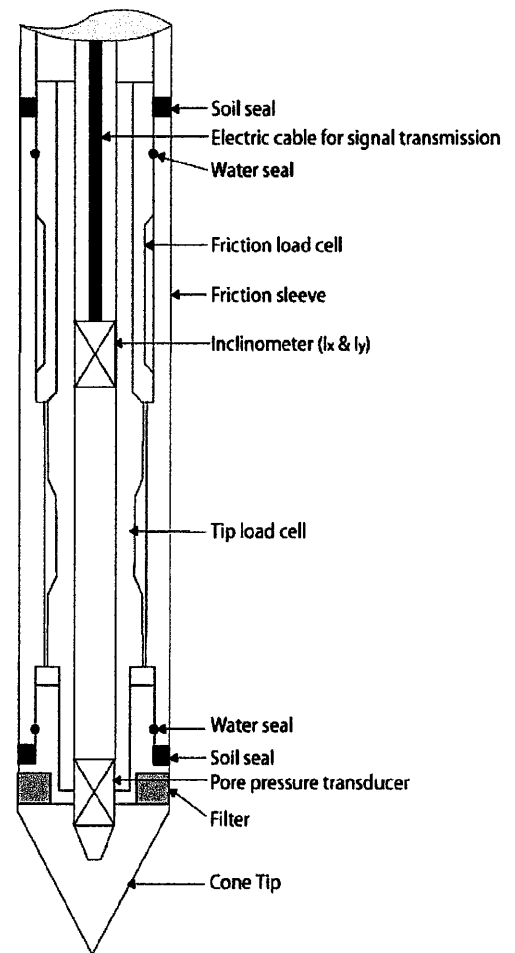


## Cone Penetration Testing Procedure (CPT)

Gregg Drilling & Testing, Inc. carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*. The soundings were conducted using a 20 ton capacity cone with a tip area of 15 cm<sup>2</sup> and a friction sleeve area of 225 cm<sup>2</sup>. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.85.

The cone takes measurements of cone bearing ( $q_c$ ), sleeve friction ( $f_s$ ) and penetration pore water pressure ( $u_2$ ) at 5-cm intervals during penetration to provide a nearly continuous hydrogeologic log. CPT data reduction and interpretation is performed in real time facilitating on-site decision making. The above mentioned parameters are stored on disk for further analysis and reference. All CPT soundings are performed in accordance with revised (2002) ASTM standards (D 5778-95).

The cone also contains a porous filter element located directly behind the cone tip ( $u_2$ ), *Figure CPT*. It consists of porous plastic and is 5.0mm thick. The filter element is used to obtain penetration pore pressure as the cone is advanced as well as Pore Pressure Dissipation Tests (PPDT's) during appropriate pauses in penetration. It should be noted that prior to penetration, the element is fully saturated with silicon oil under vacuum pressure to ensure accurate and fast dissipation.



When the soundings are complete, the test holes are grouted using a Gregg In Situ support rig. The grouting procedures generally consist of pushing a hollow CPT rod with a "knock out" plug to the termination depth of the test hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.



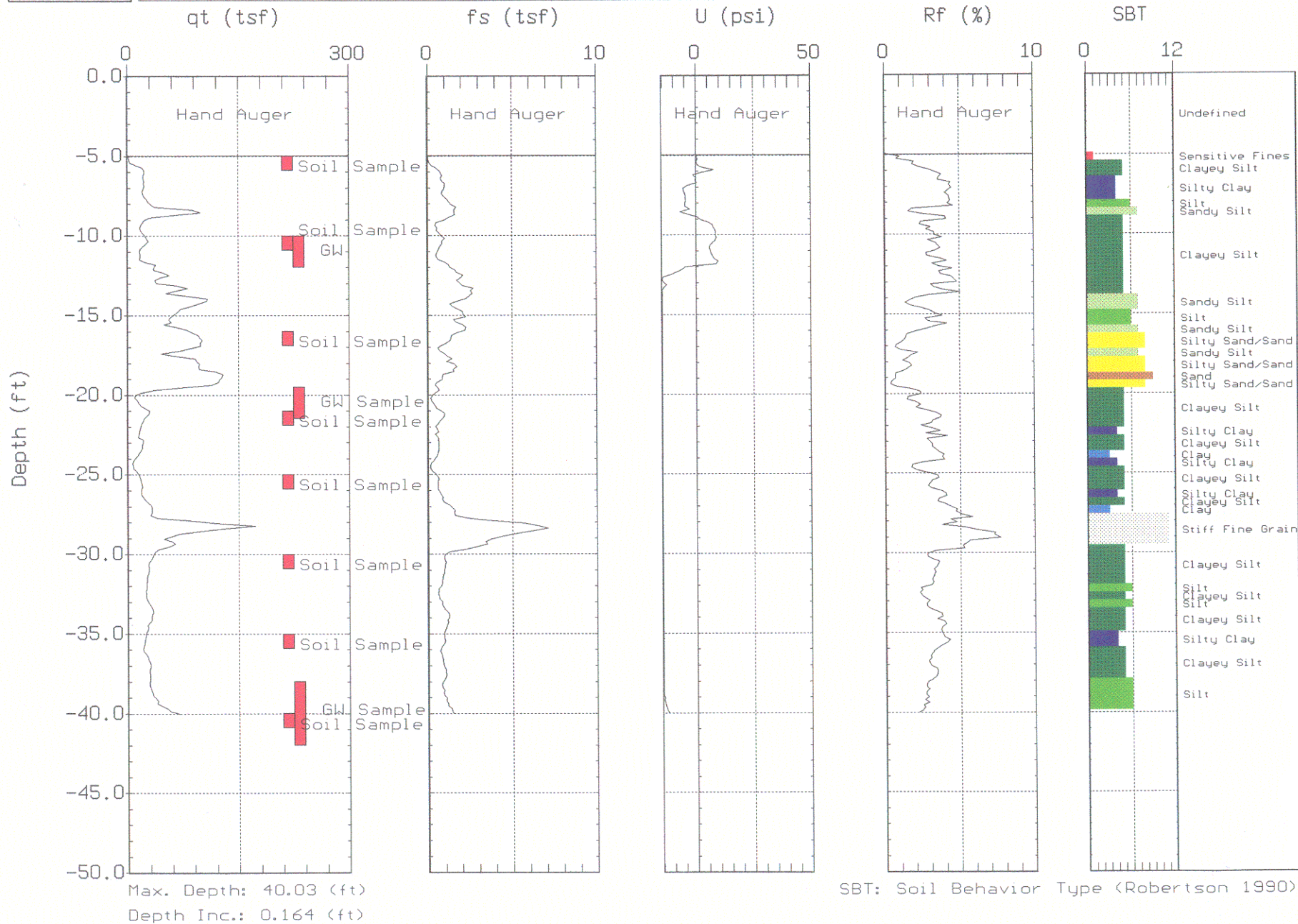




# CAMBRIA

Site: 630 HIGH ST.  
Location: CPT-SB6

Engineer: K.TAYLOR  
Date: 01:17:06 03:16

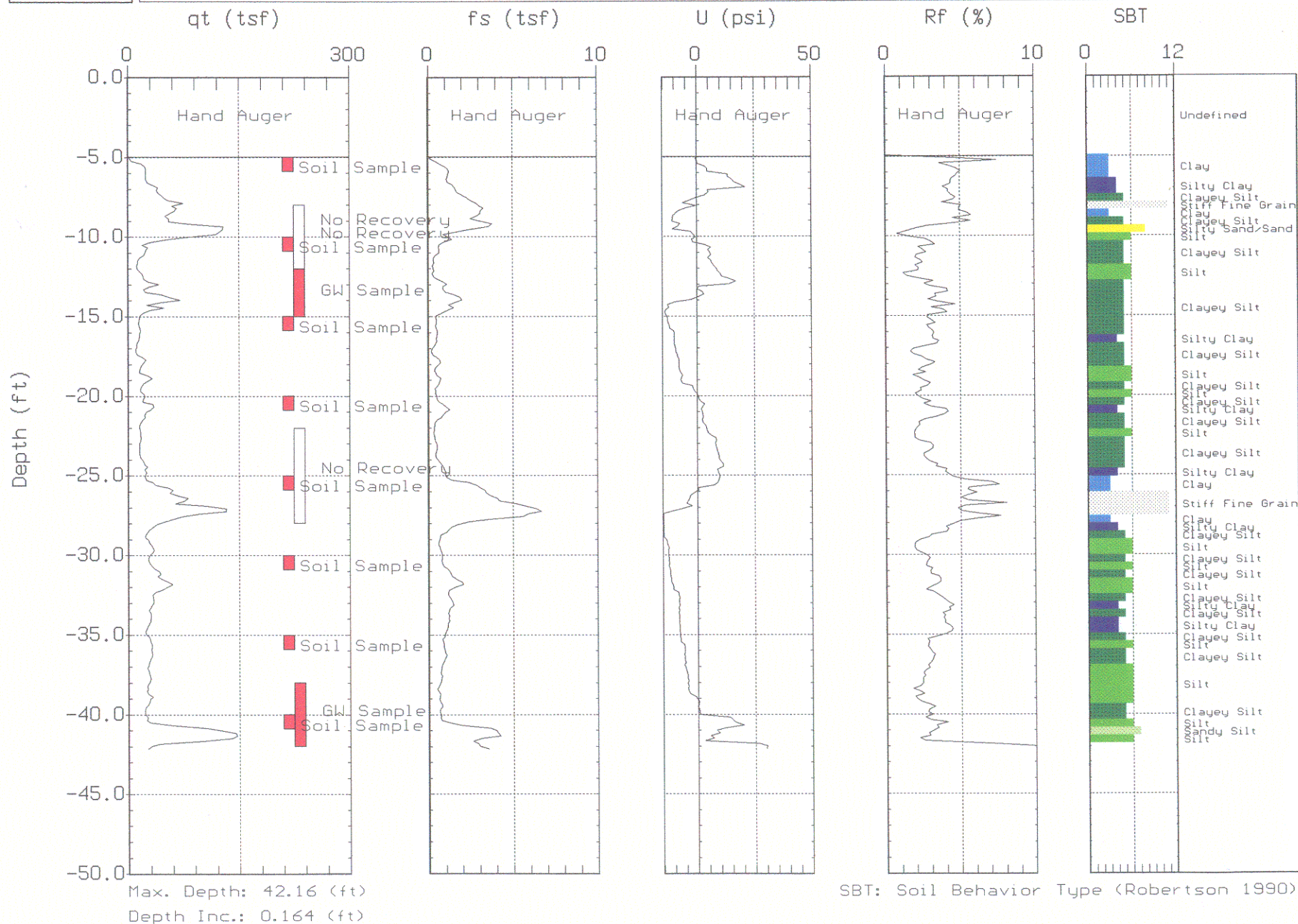




# CAMBRIA

Site: 630 HIGH ST.  
Location: CPT-SB7

Engineer: K.TAYLOR  
Date: 01:17:06 08:37



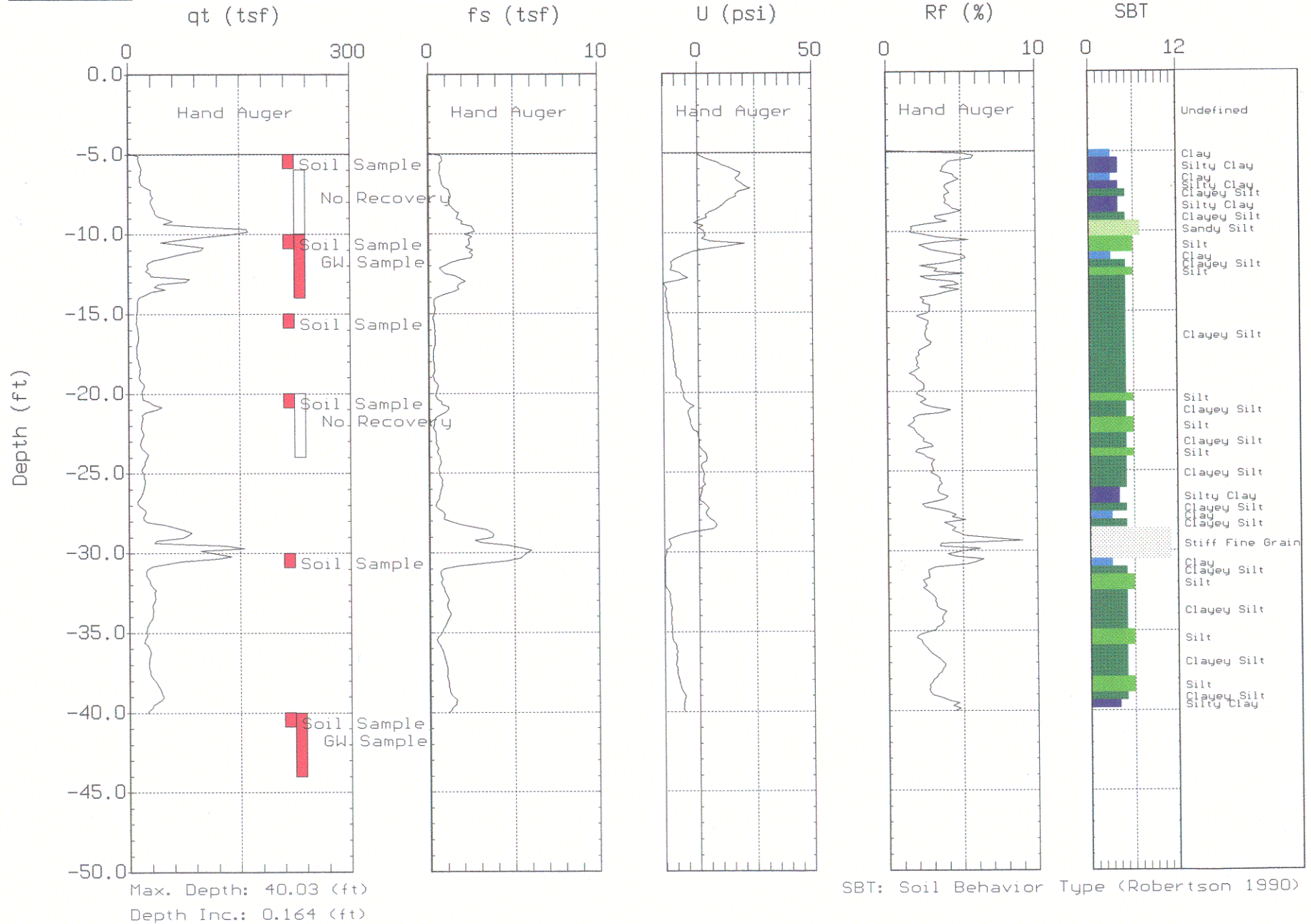




# CAMBRIA

Site: 630 HIGH ST.  
Location: CPT-SB8

Engineer: K.TAYLOR  
Date: 01:23:06 01:42



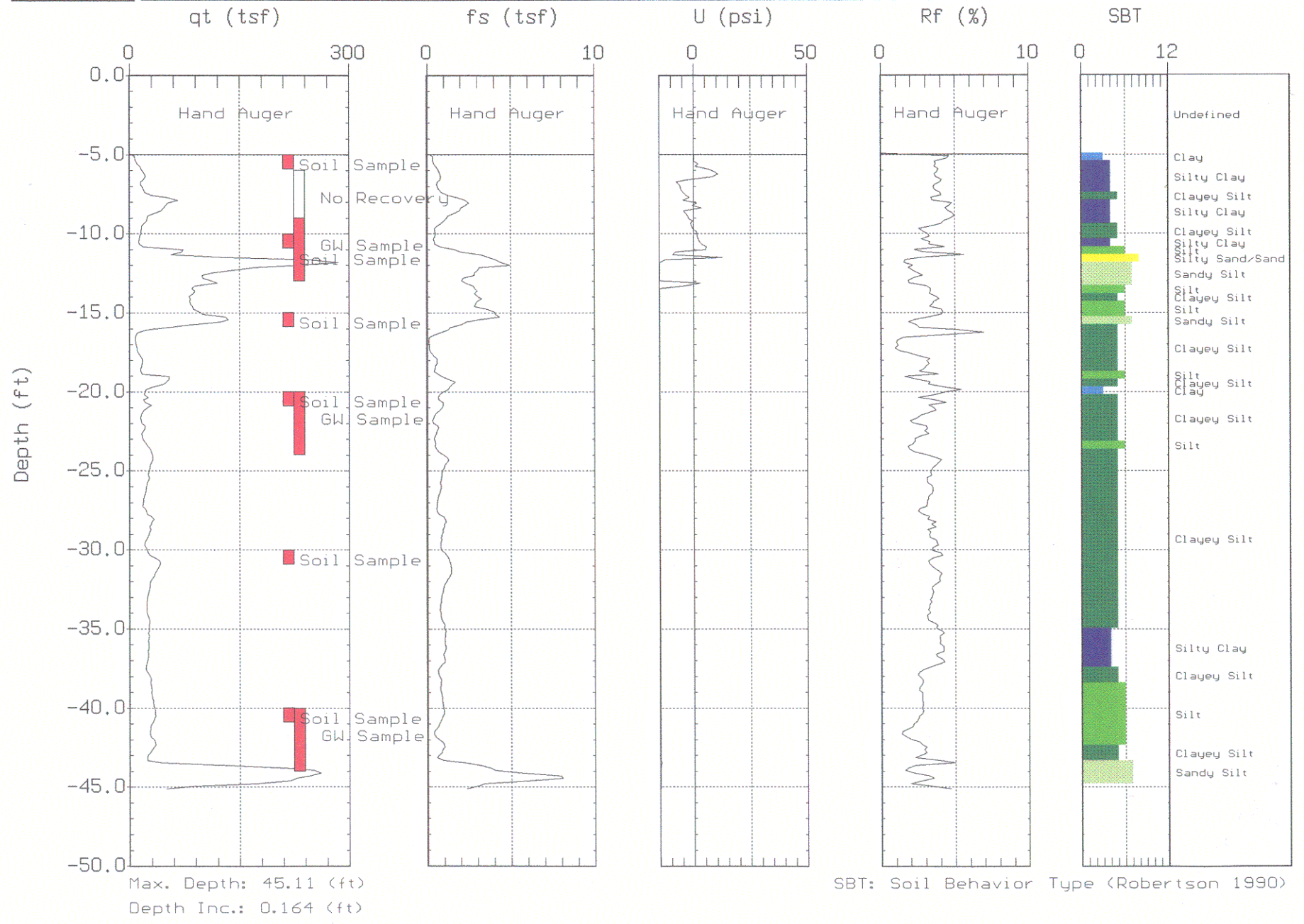




# CAMBRIA

Site: 630 HIGH ST.  
Location: CPT-SB9

Engineer: K.TAYLOR  
Date: 01:18:06 09:21



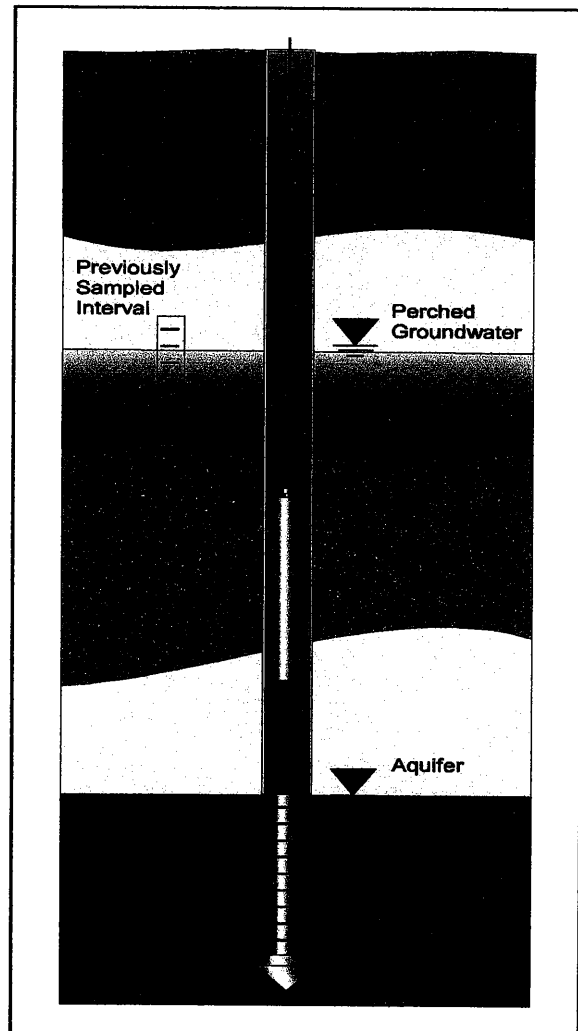


## Groundwater Sampling (GWS)

Gregg Drilling & Testing, Inc. conducts groundwater sampling using a Hydropunch® type groundwater sampler, *Figure GWS*. The groundwater sampler has a retrievable stainless steel or disposable PVC screen with steel drop off tip. This allows for samples to be taken at multiple depth intervals within the same sounding location. In areas of slower water recharge, provisions may be made to set temporary PVC well screens during sampling to allow the drill rig to advance to the next sample location while the groundwater is allowed to infiltrate.

The groundwater sampler operates by advancing 1 ¾ inch hollow push rods with the filter tip in a closed configuration to the base of the desired sampling interval. Once at the desired sample depth, the push rods are retracted; exposing the encased filter screen and allowing groundwater to infiltrate hydrostatically from the formation into the inlet screen. A small diameter bailer (approximately ½ or ¾ inch) is lowered through the push rods into the screen section for sample collection. The number of downhole trips with the bailer and time necessary to complete the sample collection at each depth interval is a function of sampling protocols, volume requirements, and the yield characteristics and storage capacity of the formation. Upon completion of sample collection, the push rods and sampler, with the exception of the PVC screen and steel drop off tip are retrieved to the ground surface, decontaminated and prepared for the next sampling event.

A summary of the groundwater samples collected, including the sampling date, depth and location identification, is presented in Table 1 and the corresponding CPT plot.



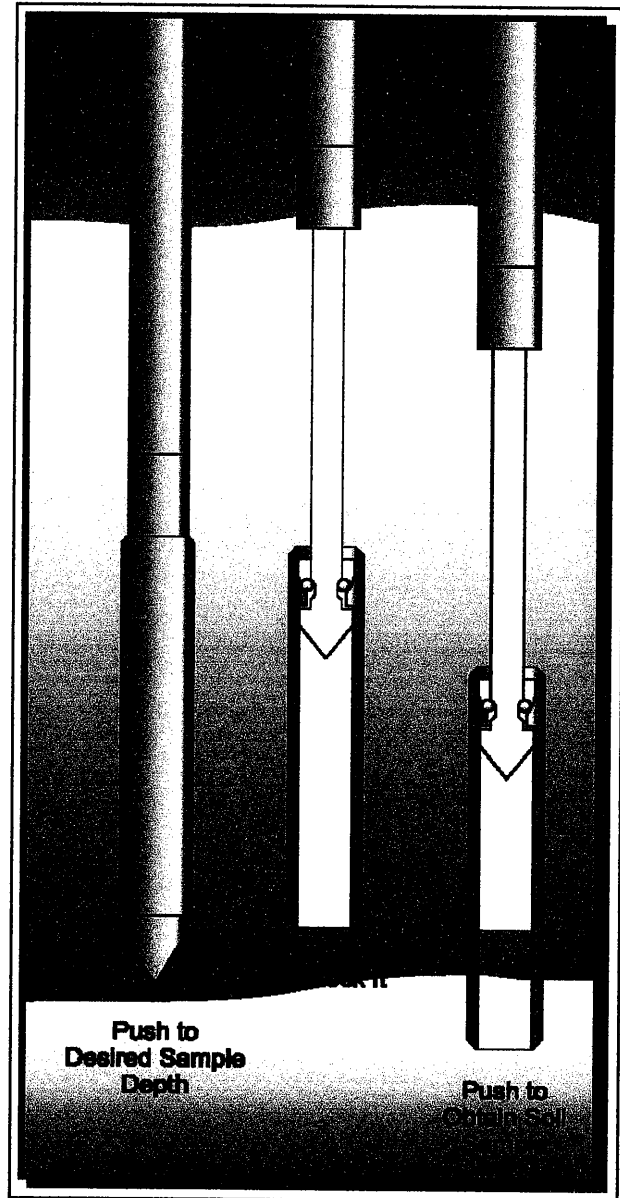
*Figure GWS*

For a detailed reference on direct push groundwater sampling, refer to Zemo et. al., 1992.



## Soil Sampling (SS)

Gregg Drilling & Testing, Inc. uses a piston-type sampler to obtain relatively undisturbed soil samples without generating any soil cuttings, *Figure SS*. Two different types of samplers (12 and 18 inch) are used depending on the soil type and density. The soil sampler is initially pushed in a "closed" position to the desired sampling interval using a hydraulic rig. Keeping the sampler closed minimizes the potential of cross contamination caused by sloughing. The inner tip of the sampler is then retracted 12 inches (or 18 inches if using the longer sampler) leaving a hollow soil sampler with two inner 1¼ inch diameter by 6 inch or four 3 inch long soil sample tubes. If using the 18 inch sampler, two 1½ inch diameter by 6 inch long tubes will be exposed. The hollow sampler is then pushed in a locked "open" position to collect a soil sample. The filled sampler and push rods are then retrieved to the ground surface. Because the soil enters the sampler at a constant rate, the opportunity for 100% recovery is increased. For environmental analysis, the soil sample tube ends are sealed with Teflon and plastic caps. Often, a longer "split tube" can be used for geotechnical sampling.



*Figure SS*

For a detailed reference on direct push soil sampling, refer to Robertson et al, 1998.

A summary of the soil samples collected, including the sampling date, depth and location identification, is presented in Table 1.



## Bibliography

Lunne, T., Robertson, P.K. and Powell, J.J.M., "Cone Penetration Testing in Geotechnical Practice"  
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Copies of ASTM Standards are available through [www.astm.org](http://www.astm.org)

**Appendix D**  
**Disposal Documentation**



FEB 28 2006

**Hazardous Waste Hauler (Registration # 2843)**

P.O. Box 292547 \* Sacramento, CA 95829 \* FAX 916-381-1573

**Disposal Confirmation**Request for Transportation Received: 02/15/2006**Consultant Information**

Company: Cambria  
 Contact: Karen Newton  
 Phone: 510-420-3309  
 Fax: 510-420-9170

**Site Information**

PO # \_\_\_\_\_  
 Street Address: 630 High St.  
 City, State, ZIP: Oakland, Ca

Customer: Shell Oil Company RESA-0023-LDC  
 RIPR #: 50767  
 SAP # / Location: NA  
 Incident #: 98995951  
 Location / WIC #: NA  
 Environmental Engineer: Denis Brown

Material Description: Soil  
 Estimated Quantity: ~1 Cy  
 Service Requested Date: ASAP

Disposal Facility: Forward Landfill  
 Contact: Scott  
 Phone: 800 204-4242  
 Approval #: 6141  
 Date of Disposal: 02/21/2006  
 Actual Tonnage: 0.40 tons

Transporter: Manley & Sons Trucking, Inc.  
 Contact: Jennifer Rogers  
 Phone: 916 381-6864  
 Fax: 916 381-1573  
 Invoice: 200602-16  
 Date of Invoice: 02/23/2006



**Cambria Environmental Sonoma**

January 31, 2006

270 Perkins Street  
Sonoma, CA 95476

Attn.: Dennis Baertschi

Project#: 248-0318

Project: 98995751

Site: 630 High St., Oakland

Attached is our report for your samples received on 01/20/2006 12:00

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

Please note that any unused portion of the samples will be discarded after 03/06/2006 unless you have requested otherwise.

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

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	01/17/2006 17:00	Soil	1

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SP-1</b>	Lab ID: 2006-01-0150 - 1
Sampled: 01/17/2006 17:00	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	170	10	mg/Kg	10.00	01/24/2006 17:07	ldr
<b>Surrogate(s)</b> o-Terphenyl	NA	60-130	%	10.00	01/24/2006 17:07	S3

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 3550/8015M

**Method Blank diesel**

MB: 2006/01/24-05.10-001

**Soil**

Test(s): 8015M

**QC Batch # 2006/01/24-05.10**

Date Extracted: 01/24/2006 07:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/24/2006 14:48	
<b>Surrogates(s)</b> o-Terphenyl	78.0	60-130	%	01/24/2006 14:48	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

Batch QC Report										
Prep(s): 3550/8015M						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2006/01/24-05.10</b>				
LCS	2006/01/24-05.10-002		Extracted: 01/24/2006			Analyzed: 01/24/2006 15:15				
LCSD	2006/01/24-05.10-003		Extracted: 01/24/2006			Analyzed: 01/24/2006 15:44				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.5	32.8	41.3	76.3	79.8	4.5	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	15.8	15.6	20.0	79.0	77.8		60-130	0		

## Diesel (C9-C24)

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

### Legend and Notes

#### Result Flag

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

S3

Surrogate recovery not reportable due to required dilution.

**Total Lead**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	01/17/2006 17:00	Soil	1

**Total Lead**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

Prep(s): 3050B	Test(s): 6010B
Sample ID: <b>SP-1</b>	Lab ID: 2006-01-0150 - 1
Sampled: 01/17/2006 17:00	Extracted: 1/27/2006 08:52
Matrix: Soil	QC Batch#: 2006/01/27-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	49	1.0	mg/Kg	1.00	01/30/2006 17:00	

**Total Lead**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 3050B

**Method Blank**

MB: 2006/01/27-02.15-078

**Soil**

Test(s): 6010B

**QC Batch # 2006/01/27-02.15**

Date Extracted: 01/27/2006 08:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	01/30/2006 15:10	



**Total Lead**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2006/01/27-02.15</b>				
LCS	2006/01/27-02.15-079		Extracted: 01/27/2006			Analyzed: 01/30/2006 15:13				
LCSD	2006/01/27-02.15-080		Extracted: 01/27/2006			Analyzed: 01/30/2006 15:17				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	99.4	96.3	100.0	99.4	96.3	3.2	80-120	20		

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	01/17/2006 17:00	Soil	1

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SP-1</b>	Lab ID: 2006-01-0150 - 1
Sampled: 01/17/2006 17:00	Extracted: 1/28/2006 03:35
Matrix: Soil	QC Batch#: 2006/01/27-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/28/2006 03:35	
Benzene	ND	0.0050	mg/Kg	1.00	01/28/2006 03:35	
Toluene	ND	0.0050	mg/Kg	1.00	01/28/2006 03:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/28/2006 03:35	
Total xylenes	0.0051	0.0050	mg/Kg	1.00	01/28/2006 03:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.1	72-124	%	1.00	01/28/2006 03:35	
Toluene-d8	86.4	72-116	%	1.00	01/28/2006 03:35	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/01/27-2A.62**

MB: 2006/01/27-2A.62-001

Date Extracted: 01/27/2006 21:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/27/2006 21:01	
Gasoline [Shell]	ND	1.0	mg/Kg	01/27/2006 21:01	
Benzene	ND	0.0050	mg/Kg	01/27/2006 21:01	
Toluene	ND	0.0050	mg/Kg	01/27/2006 21:01	
Ethyl benzene	ND	0.0050	mg/Kg	01/27/2006 21:01	
Total xylenes	ND	0.0050	mg/Kg	01/27/2006 21:01	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.2	72-124	%	01/27/2006 21:01	
Toluene-d8	89.6	72-116	%	01/27/2006 21:01	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2006/01/27-2A.62**

LCS 2006/01/27-2A.62-008

Extracted: 01/27/2006

Analyzed: 01/27/2006 20:08

LCSD 2006/01/27-2A.62-035

Extracted: 01/27/2006

Analyzed: 01/27/2006 20:35

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0453	0.0463	0.05	90.6	92.6	2.2	69-129	20		
Toluene	0.0480	0.0472	0.05	96.0	94.4	1.7	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	467	457	500	93.4	91.4		72-124			
Toluene-d8	471	455	500	94.2	91.0		72-116			

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

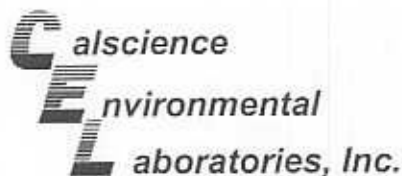
Received: 01/20/2006 12:00

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2006/01/27-2A.62</b>
MS/MSD		Lab ID: 2006-01-0146 - 002
MS: 2006/01/27-2A.62-027	Extracted: 01/27/2006	Analyzed: 01/27/2006 21:27
		Dilution: 1.00
MSD: 2006/01/27-2A.62-053	Extracted: 01/27/2006	Analyzed: 01/27/2006 21:53
		Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0530	0.0444	ND	0.049900	106.2	98.9	7.1	69-129	20		
Toluene	0.0522	0.0470	ND	0.049900	104.6	104.7	0.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	444	455		500	88.8	91.0		72-124			
Toluene-d8	460	490		500	92.0	98.0		72-116			



February 08, 2006

Melissa Brewer  
Severn Trent Laboratories, Inc.  
1220 Quarry Lane  
Pleasanton, CA 94566-4756

Subject: **Calscience Work Order No.:** 06-02-0020  
**Client Reference:** 2006-01-0150 / 248-0318 / 98995751

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/1/2006 and analyzed in accordance with the attached chain-of-custody.

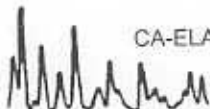
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

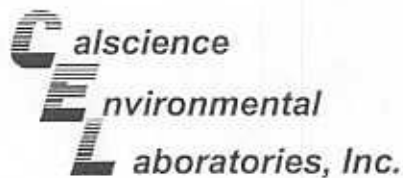
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Ranjit K. Clarke". The signature is written in a cursive style with a large initial "R".

Calscience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager





## Analytical Report

Severn Trent Laboratories, Inc.  
1220 Quarry Lane  
Pleasanton, CA 94566-4756

Date Received: 02/01/06  
Work Order No: 06-02-0020  
Preparation: DHS LUFT  
Method: DHS LUFT

Project: 2006-01-0150 / 248-0318 / 98995751

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1	06-02-0020-1	01/17/06	Solid	02/06/06	02/06/06	060206L08

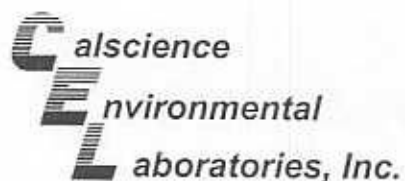
Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

Method Blank	099-10-020-512	N/A	Solid	02/06/06	02/06/06	060206L08
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Parameter	Result	RL	DF	Qual	Units
Organic Lead	ND	1.00	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate

Severn Trent Laboratories, Inc.  
 1220 Quarry Lane  
 Pleasanton, CA 94566-4756

Date Received: 02/01/06  
 Work Order No: 06-02-0020  
 Preparation: DHS LUFT  
 Method: DHS LUFT

Project 2006-01-0150 / 248-0318 / 98995751

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP-1	Solid	FLAA	02/06/06	02/06/06	060206S08

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	80	76	22-148	4	0-18	

RPD - Relative Percent Difference , CL - Control Limit

**Calscience**  
**Environmental Laboratories, Inc.** Quality Control - Laboratory Control Sample

Severn Trent Laboratories, Inc.  
 1220 Quarry Lane  
 Pleasanton, CA 94566-4756

Date Received: N/A  
 Work Order No: 06-02-0020  
 Preparation: DHS LUFT  
 Method: DHS LUFT

Project: 2006-01-0150 / 248-0318 / 98995751

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-512	Solid	FLAA	02/06/06	NONE	060206L08

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	25.2	101	72-126	

RPD - Relative Percent Difference    CL - Control Limit

## Glossary of Terms and Qualifiers

Work Order Number: 06-02-0020

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





Chain of Custody

Date Shipped: 1/31/2006  
2006-01-0150 - 1

From: **STL San Francisco (CL)**  
1220 Quarry Lane  
Pleasanton, CA 94566-4758

To: **CalScience Analytical Laboratory**  
7440 Lincoln Way  
Garden Grove, CA 92841

Project Manager: Melissa Brewer  
Phone: (714) 895-5494 Ext:  
Phone: Ext: Fax: () -

Fax: (925) 484-1096  
Email: mbrewer@stl-inc.com

Contact: Sample Control  
Phone: (714) 895-5494 Ext:

CL Submission #: 2006-01-0150  
CL PO #:

Project #: 248-0318  
Project Name: 98995751  
EDF Global ID: T0600101273

Client Sample ID	CL#	Sampled	Matrix	Analysis	Method	TAT
SP-1	1	1/17/2006 5:00:00PM	Soil			
EDF Field ID: SP-1						
Subcontract - Organic Lead			LUFT			5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.

Signature: *FLECK* Time: 1000

Printed Name: Date: 2-1-06

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 3.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: 1.

Signature: *W. Batin* Time: 1000

Printed Name: W. BATIN Date: 2-1-06

Company: *CSL*

RECEIVED BY: 2.

Signature: Time:

Printed Name: Date:

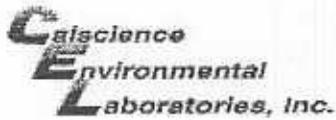
Company:

RECEIVED BY: 3.

Signature: Time:

Printed Name: Date:

Company:



WORK ORDER #:

06 - 02 - 0020

Cooler 1 of 1

### SAMPLE RECEIPT FORM

CLIENT: STL

DATE: 2-1-06

**TEMPERATURE – SAMPLES RECEIVED BY:**

<b>CALSCIENCE COURIER:</b>	<b>LABORATORY (Other than Calscience Courier):</b>
<input type="checkbox"/> Chilled, cooler with temperature blank provided.	<input type="checkbox"/> °C Temperature blank.
<input type="checkbox"/> Chilled, cooler without temperature blank.	<u>4.1</u> °C IR thermometer.
<input type="checkbox"/> Chilled and placed in cooler with wet ice.	<input type="checkbox"/> Ambient temperature.
<input type="checkbox"/> Ambient and placed in cooler with wet ice.	
<input type="checkbox"/> Ambient temperature.	
<input type="checkbox"/> °C Temperature blank.	Initial: <u>WB</u>

**CUSTODY SEAL INTACT:**

Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact) : \_\_\_\_\_ Not Applicable (N/A): /

Initial: WB

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u>/</u>		
Sample container label(s) consistent with custody papers.....	<u>/</u>		
Sample container(s) intact and good condition.....	<u>/</u>		
Correct containers for analyses requested.....	<u>/</u>		
Proper preservation noted on sample label(s).....			<u>/</u>
VOA vial(s) free of headspace.....			<u>/</u>
Tedlar bag(s) free of condensation.....			<u>/</u>

Initial: WB

**COMMENTS:**

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### Sample Receipt Checklist

Submission #: 2006- 01-0150

Checklist completed by: <u>Ty</u>		DATE: <u>1-23-06</u>															
Courier: <input checked="" type="checkbox"/> STL SF	Courier <input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> Other		Client <input type="checkbox"/>														
Log-In Details		Yes	No														
		Comments															
1	Custody seals intact on shipping container/samples	/															
2	Chain of custody present?	/															
3	Chain of custody signed when relinquished and received?	/	<input type="checkbox"/> Picked-Up at Secure Location <input type="checkbox"/> Client signed-off at time prior to pick-up														
4	All samples checked when COC relinquished	/															
5	Chain of custody agrees with sample labels?	XX															
6	Samples in proper container/bottle?	XX															
7	Sample containers intact?	XX															
8	Sufficient sample volume for indicated test?	XX															
9	All samples received within holding time?	X															
Cooler Temperature Compliance Check																	
<table border="1" style="width:100%;"> <tr> <th style="text-align: center;">Temperature Blank Reading</th> </tr> <tr> <td style="height: 20px;"></td> </tr> </table>		Temperature Blank Reading		<table border="1" style="width:100%;"> <tr> <th colspan="4" style="text-align: center;">Cooler Sample Temperature</th> </tr> <tr> <th style="text-align: center;">#1</th> <th style="text-align: center;">#2</th> <th style="text-align: center;">#3</th> <th style="text-align: center;">Average</th> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: center;">2°</td> </tr> </table>		Cooler Sample Temperature				#1	#2	#3	Average				2°
Temperature Blank Reading																	
Cooler Sample Temperature																	
#1	#2	#3	Average														
			2°														
<table border="1" style="width:100%;"> <tr> <th style="text-align: center;">Reason for Elevated Temperature</th> </tr> <tr> <td><input type="checkbox"/> - Ice Melted    <input type="checkbox"/> Insufficient Ice</td> </tr> <tr> <td><input type="checkbox"/> Samp. in boxes    <input type="checkbox"/> Sampled &lt; 4hr.    <input type="checkbox"/> Ice not req.</td> </tr> </table>		Reason for Elevated Temperature	<input type="checkbox"/> - Ice Melted <input type="checkbox"/> Insufficient Ice	<input type="checkbox"/> Samp. in boxes <input type="checkbox"/> Sampled < 4hr. <input type="checkbox"/> Ice not req.	<table border="1" style="width:100%;"> <tr> <th style="text-align: center;">Samples with Temp &gt; 6°C - Comments</th> </tr> <tr> <td style="height: 20px;"></td> </tr> </table>		Samples with Temp > 6°C - Comments										
Reason for Elevated Temperature																	
<input type="checkbox"/> - Ice Melted <input type="checkbox"/> Insufficient Ice																	
<input type="checkbox"/> Samp. in boxes <input type="checkbox"/> Sampled < 4hr. <input type="checkbox"/> Ice not req.																	
Samples with Temp > 6°C - Comments																	
VOA Sample Inspection																	
Are bubbles present in any of the VOA vials ?	Sample #	Small	Med.	Large	Samples with broken, cracked or leaking containers												
		O	O	O													
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>													
Water - pH acceptable upon receipt?	Yes	No	Samples with Unacceptable pH														
	<input type="checkbox"/>	<input type="checkbox"/>															
<input type="checkbox"/> pH adjusted- Preservative used: <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> HCl <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> ZnOAc - Lot #(s) _____																	
Comments:																	
Project Management [Routing for instruction of indicated discrepancy(ies)]																	
Project Manager: (initials) _____		Date: ____ / ____ /06		Client contacted:    Yes <input type="checkbox"/> No <input type="checkbox"/>													
Summary of discussion:																	
Corrective Action (per PM/Client):																	

LAB: Test America  STL  Other \_\_\_\_\_

# SHELL Chain Of Custody Record

300427

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (location) \_\_\_\_\_

Shell Project Manager to be invoiced:

ENVIRONMENTAL SERVICES

TECHNICAL SERVICES

CRMT HOUSTON

NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

*Dennis Brown*  
**2006-01-0150**

INCIDENT NUMBER (ES ONLY)

9 8 9 9 5 7 5 1

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 6 9 3

DATE: 1/17/06

PAGE: 1 of 2

SAMPLING COMPANY:

**Cambria Environmental Technology, Inc.**

LOG CODE:

**CETS**

SITE ADDRESS: Street and City

**630 High St Oakland**

State

**CA**

GLOBAL ID NO.:

**T0600101273**

ADDRESS:

**270 Perkins Street, Sonoma, CA 95476**

EDF DELIVERABLE TO (Responsible Party or Designee):

**Susan Lukaszewicz**

PHONE NO.:

**707-933-2376**

E-MAIL:

**sonomaedf@cambria-env.com**

CONSULTANT PROJECT NO.:

**248-0368**

PROJECT CONTACT (Hardcopy or PDF Report to):

**Dennis Baertschi**

TELEPHONE:

**(707) 268-3813**

FAX:

**707-935-6649**

E-MAIL:

**Kevin Taylor**

LAB USE ONLY

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):

- STD  5 DAY  3 DAY  2 DAY  24 HOURS  RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES:

CHECK BOX IF EDD IS **NOT** NEEDED

RECEIPT VERIFICATION REQUESTED

### REQUESTED ANALYSIS

TPH - Purgeable (8260B)	TPH - Extractable (9015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (9015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TOLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TOLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TOLP	Test for Disposal (see attached)
																		X

### FIELD NOTES:

Container/Preservative  
or PID Readings  
or Laboratory Notes

TEMPERATURE ON RECEIPT C°

20C

LAB USE ONLY

### Field Sample Identification

SAMPLING DATE TIME MATRIX NO. OF CONT.

SP-1A-1A

1/17/06 17:00 SO 4

Relinquished by: (Signature)

*[Signature]*

Received by: (Signature)

*Cambria Sonoma (Secure location)*

Date:

1/19/06

Time:

17:30

Relinquished by: (Signature)

*Cambria Sonoma*

Received by: (Signature)

*[Signature]*

Date:

1/20/06

Time:

12:00

Relinquished by: (Signature)

*[Signature]*

Received by: (Signature)

*[Signature]*

Date:

1/20/06

Time:

16:00



2006-01-0150

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

### RESIDUAL MANAGEMENT PROCEDURE

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

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

CALIFORNIA - TRANSPORTATION AND RETAIL

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

CAM METALS = TTLC METALS - **lead only**

STLC ON ALL TTLC METALS 10 TIMES STLC MAXIMUM

TTLC LEAD => 13 MG/KG REQUIRES ORGANIC LEAD ANALYSIS

IF ANY TTLC TOTAL METAL IS > OR = TO 20 TIMES TCLP REGULATORY LEVELS, TCLP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR **8015** - **GASOLINE AND DIESEL**

~~MTBE METHOD 8260B (GC/MS)~~

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

LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)

-ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE

-ALL REQUIRED TESTS ON COMPOSITE (**max 4:1**)

-LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS

~~MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM~~

PROCEDURE ORIGINAL DATE: 08/01/01

PROCEDURE REVISED DATE: 08/01/01



**Appendix E**  
**Certified Analytical Reports**

**Cambria Environmental Sonoma**

February 06, 2006

270 Perkins Street  
Sonoma, CA 95476

Attn.: Dennis Baertschi  
Project#: 247-0318  
Project: 98995751  
Site: 630 High Street, Oakland

Attached is our report for your samples received on 01/20/2006 12:00  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
03/06/2006 unless you have requested otherwise.

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

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-6-5.0`	01/17/2006 09:30	Soil	1
SB-6-10.0`	01/17/2006 09:40	Soil	2
SB-6-15.0`	01/17/2006 09:50	Soil	3
SB-6-20.0`	01/17/2006 10:00	Soil	4
SB-6-25.0`	01/17/2006 10:10	Soil	5
SB-6-30.0`	01/17/2006 10:20	Soil	6
SB-6-35.0`	01/17/2006 10:30	Soil	7
SB-6-40.0`	01/17/2006 10:40	Soil	8
SB-7-5.0`	01/17/2006 14:45	Soil	12
SB-7-10	01/17/2006 15:05	Soil	13
SB-7-15	01/17/2006 15:10	Soil	14
SB-7-20	01/17/2006 15:15	Soil	15
SB-7-25	01/17/2006 15:25	Soil	16
SB-7-30	01/17/2006 15:35	Soil	17
SB-7-35	01/17/2006 15:45	Soil	18

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-5.0`</b>	Lab ID: 2006-01-0161 - 1
Sampled: 01/17/2006 09:30	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2006 18:30	
<b>Surrogate(s)</b> o-Terphenyl	65.9	60-130	%	1.00	01/24/2006 18:30	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>SB-6-10.0</b>	Lab ID:	2006-01-0161 - 2
Sampled:	01/17/2006 09:40	Extracted:	1/24/2006 07:29
Matrix:	Soil	QC Batch#:	2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2006 22:10	
<b>Surrogate(s)</b> o-Terphenyl	75.7	60-130	%	1.00	01/24/2006 22:10	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-15.0</b>	Lab ID: 2006-01-0161 - 3
Sampled: 01/17/2006 09:50	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2006 22:39	
<b>Surrogate(s)</b> o-Terphenyl	62.7	60-130	%	1.00	01/24/2006 22:39	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-20.0</b>	Lab ID: 2006-01-0161 - 4
Sampled: 01/17/2006 10:00	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2006 23:06	
<b>Surrogate(s)</b> o-Terphenyl	79.2	60-130	%	1.00	01/24/2006 23:06	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-25.0</b>	Lab ID: 2006-01-0161 - 5
Sampled: 01/17/2006 10:10	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/24/2006 23:33	
<b>Surrogate(s)</b> o-Terphenyl	75.8	60-130	%	1.00	01/24/2006 23:33	



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-30.0</b>	Lab ID: 2006-01-0161 - 6
Sampled: 01/17/2006 10:20	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 00:01	
<b>Surrogate(s)</b> o-Terphenyl	72.6	60-130	%	1.00	01/25/2006 00:01	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-35.0</b>	Lab ID: 2006-01-0161 - 7
Sampled: 01/17/2006 10:30	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 00:28	
<b>Surrogate(s)</b> o-Terphenyl	73.7	60-130	%	1.00	01/25/2006 00:28	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-6-40.0`</b>	Lab ID: 2006-01-0161 - 8
Sampled: 01/17/2006 10:40	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 02:17	
<b>Surrogate(s)</b> o-Terphenyl	69.8	60-130	%	1.00	01/25/2006 02:17	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-7-5.0`</b>	Lab ID: 2006-01-0161 - 12
Sampled: 01/17/2006 14:45	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 02:44	
<b>Surrogate(s)</b> o-Terphenyl	72.7	60-130	%	1.00	01/25/2006 02:44	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-7-10</b>	Lab ID: 2006-01-0161 - 13
Sampled: 01/17/2006 15:05	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	57	1.0	mg/Kg	1.00	01/25/2006 03:12	ldr
<b>Surrogate(s)</b> o-Terphenyl	72.1	60-130	%	1.00	01/25/2006 03:12	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-7-15</b>	Lab ID: 2006-01-0161 - 14
Sampled: 01/17/2006 15:10	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 03:39	
<b>Surrogate(s)</b> o-Terphenyl	68.4	60-130	%	1.00	01/25/2006 03:39	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-7-20</b>	Lab ID: 2006-01-0161 - 15
Sampled: 01/17/2006 15:15	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 04:07	
<b>Surrogate(s)</b> o-Terphenyl	70.6	60-130	%	1.00	01/25/2006 04:07	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-7-25</b>	Lab ID: 2006-01-0161 - 16
Sampled: 01/17/2006 15:25	Extracted: 1/24/2006 07:29
Matrix: Soil	QC Batch#: 2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 04:34	
<b>Surrogate(s)</b> o-Terphenyl	77.1	60-130	%	1.00	01/25/2006 04:34	



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>SB-7-30</b>	Lab ID:	2006-01-0161 - 17
Sampled:	01/17/2006 15:35	Extracted:	1/24/2006 07:29
Matrix:	Soil	QC Batch#:	2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 05:01	
<b>Surrogate(s)</b> o-Terphenyl	68.7	60-130	%	1.00	01/25/2006 05:01	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

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Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>SB-7-35</b>	Lab ID:	2006-01-0161 - 18
Sampled:	01/17/2006 15:45	Extracted:	1/24/2006 07:29
Matrix:	Soil	QC Batch#:	2006/01/24-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/25/2006 05:28	
<b>Surrogate(s)</b> o-Terphenyl	74.2	60-130	%	1.00	01/25/2006 05:28	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

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Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
<b>Method Blank diesel</b>		<b>Soil</b>		<b>QC Batch # 2006/01/24-05.10</b>	
MB: 2006/01/24-05.10-001		Date Extracted: 01/24/2006 07:29			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/24/2006 14:48	
<b>Surrogates(s)</b> o-Terphenyl	78.0	60-130	%	01/24/2006 14:48	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2006/01/24-05.10**

LCS 2006/01/24-05.10-002

Extracted: 01/24/2006

Analyzed: 01/24/2006 15:15

LCSD 2006/01/24-05.10-003

Extracted: 01/24/2006

Analyzed: 01/24/2006 15:44

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.5	32.8	41.3	76.3	79.8	4.5	60-130	25		
<b>Surrogates(s)</b>										
o-Terphenyl	15.8	15.6	20.0	79.0	77.8		60-130	0		

**Diesel (C9-C24)**

Cambria Environmental Sonoma

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270 Perkins Street

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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Legend and Notes**

**Result Flag**

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-6-W10.0`	01/17/2006 11:45	Water	9
SB-6-W17.5`	01/17/2006 12:00	Water	10
SB-6-38W	01/17/2006 12:25	Water	11

**Diesel (C9-C24)**

Cambria Environmental Sonoma

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Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-6-W10.0`</b>	Lab ID: 2006-01-0161 - 9
Sampled: 01/17/2006 11:45	Extracted: 1/28/2006 10:14
Matrix: Water	QC Batch#: 2006/01/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	200	50	ug/L	1.00	01/29/2006 04:25	Q6,ndp
<b>Surrogate(s)</b> o-Terphenyl	100.6	64-127	%	1.00	01/29/2006 04:25	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-6-W17.5`</b>	Lab ID: 2006-01-0161 - 10
Sampled: 01/17/2006 12:00	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	62	50	ug/L	1.00	01/26/2006 13:47	ndp
<b>Surrogate(s)</b> o-Terphenyl	101.2	64-127	%	1.00	01/26/2006 13:47	



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-6-38W</b>	Lab ID: 2006-01-0161 - 11
Sampled: 01/17/2006 12:25	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	85	50	ug/L	1.00	01/26/2006 11:57	ndp
<b>Surrogate(s)</b> o-Terphenyl	95.7	64-127	%	1.00	01/26/2006 11:57	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 3511

**Method Blank**

MB: 2006/01/24-03.10-001

**Water**

Test(s): 8015M

**QC Batch # 2006/01/24-03.10**

Date Extracted: 01/24/2006 07:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/26/2006 00:38	
<b>Surrogates(s)</b> o-Terphenyl	98.8	64-127	%	01/26/2006 00:38	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 3511 Test(s): 8015M  
**Method Blank** **Water** **QC Batch # 2006/01/28-02.10**  
 MB: 2006/01/28-02.10-001 Date Extracted: 01/28/2006 10:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/29/2006 02:23	
<b>Surrogates(s)</b> o-Terphenyl	92.3	64-127	%	01/29/2006 02:23	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

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Sonoma, CA 95476  
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Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/24-03.10</b>				
LCS	2006/01/24-03.10-002		Extracted: 01/24/2006			Analyzed: 01/26/2006 01:05				
LCSD	2006/01/24-03.10-003		Extracted: 01/24/2006			Analyzed: 01/26/2006 02:26				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	557	563	714	78.0	78.9	1.1	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.29	1.26	1.25	103.0	100.5		64-127	0		

**Diesel (C9-C24)**

Cambria Environmental Sonoma  
Attn.: Dennis Baertschi

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Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Batch QC Report										
Prep(s): 3511							Test(s): 8015M			
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/28-02.10</b>				
LCS	2006/01/28-02.10-002		Extracted: 01/28/2006			Analyzed: 01/29/2006 02:53				
LCSD	2006/01/28-02.10-003		Extracted: 01/28/2006			Analyzed: 01/29/2006 03:24				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	510	513	714	71.4	71.8	0.6	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.16	1.28	1.25	93.1	102.1		64-127	0		

## Diesel (C9-C24)

Cambria Environmental Sonoma

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Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

### Legend and Notes

#### Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-6-5.0`	01/17/2006 09:30	Soil	1
SB-6-10.0`	01/17/2006 09:40	Soil	2
SB-6-15.0`	01/17/2006 09:50	Soil	3
SB-6-20.0`	01/17/2006 10:00	Soil	4
SB-6-25.0`	01/17/2006 10:10	Soil	5
SB-6-30.0`	01/17/2006 10:20	Soil	6
SB-6-35.0`	01/17/2006 10:30	Soil	7
SB-6-40.0`	01/17/2006 10:40	Soil	8
SB-6-W10.0`	01/17/2006 11:45	Water	9
SB-6-W17.5`	01/17/2006 12:00	Water	10
SB-6-38W	01/17/2006 12:25	Water	11
SB-7-5.0`	01/17/2006 14:45	Soil	12
SB-7-10	01/17/2006 15:05	Soil	13
SB-7-15	01/17/2006 15:10	Soil	14
SB-7-20	01/17/2006 15:15	Soil	15
SB-7-25	01/17/2006 15:25	Soil	16
SB-7-30	01/17/2006 15:35	Soil	17
SB-7-35	01/17/2006 15:45	Soil	18

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-5.0`</b>	Lab ID: 2006-01-0161 - 1
Sampled: 01/17/2006 09:30	Extracted: 1/29/2006 16:48
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 16:48	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 16:48	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 16:48	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 16:48	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.9	72-124	%	1.00	01/29/2006 16:48	
Toluene-d8	91.1	72-116	%	1.00	01/29/2006 16:48	



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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-10.0</b>	Lab ID: 2006-01-0161 - 2
Sampled: 01/17/2006 09:40	Extracted: 1/29/2006 17:15
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 17:15	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 17:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 17:15	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 17:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.5	72-124	%	1.00	01/29/2006 17:15	
Toluene-d8	92.1	72-116	%	1.00	01/29/2006 17:15	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-15.0</b>	Lab ID: 2006-01-0161 - 3
Sampled: 01/17/2006 09:50	Extracted: 1/29/2006 17:41
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 17:41	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 17:41	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 17:41	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 17:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.6	72-124	%	1.00	01/29/2006 17:41	
Toluene-d8	90.8	72-116	%	1.00	01/29/2006 17:41	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-20.0</b>	Lab ID: 2006-01-0161 - 4
Sampled: 01/17/2006 10:00	Extracted: 1/29/2006 18:08
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 18:08	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 18:08	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 18:08	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 18:08	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.3	72-124	%	1.00	01/29/2006 18:08	
Toluene-d8	94.3	72-116	%	1.00	01/29/2006 18:08	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-6-25.0</b>	Lab ID:	2006-01-0161 - 5
Sampled:	01/17/2006 10:10	Extracted:	1/29/2006 18:34
Matrix:	Soil	QC Batch#:	2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 18:34	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 18:34	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 18:34	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 18:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.8	72-124	%	1.00	01/29/2006 18:34	
Toluene-d8	93.4	72-116	%	1.00	01/29/2006 18:34	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-30.0</b>	Lab ID: 2006-01-0161 - 6
Sampled: 01/17/2006 10:20	Extracted: 1/29/2006 19:01
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 19:01	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 19:01	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 19:01	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 19:01	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.2	72-124	%	1.00	01/29/2006 19:01	
Toluene-d8	93.3	72-116	%	1.00	01/29/2006 19:01	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-35.0</b>	Lab ID: 2006-01-0161 - 7
Sampled: 01/17/2006 10:30	Extracted: 1/29/2006 19:27
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 19:27	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 19:27	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 19:27	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 19:27	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.0	72-124	%	1.00	01/29/2006 19:27	
Toluene-d8	93.3	72-116	%	1.00	01/29/2006 19:27	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-40.0</b>	Lab ID: 2006-01-0161 - 8
Sampled: 01/17/2006 10:40	Extracted: 1/29/2006 19:54
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 19:54	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 19:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 19:54	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 19:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.4	72-124	%	1.00	01/29/2006 19:54	
Toluene-d8	91.9	72-116	%	1.00	01/29/2006 19:54	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-W10.0`</b>	Lab ID: 2006-01-0161 - 9
Sampled: 01/17/2006 11:45	Extracted: 1/26/2006 01:52
Matrix: Water	QC Batch#: 2006/01/25-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/26/2006 01:52	
Benzene	ND	0.50	ug/L	1.00	01/26/2006 01:52	
Toluene	ND	0.50	ug/L	1.00	01/26/2006 01:52	
Ethylbenzene	ND	0.50	ug/L	1.00	01/26/2006 01:52	
Total xylenes	ND	1.0	ug/L	1.00	01/26/2006 01:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/26/2006 01:52	
Methyl tert-butyl ether (MTBE)	19	0.50	ug/L	1.00	01/26/2006 01:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/26/2006 01:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/26/2006 01:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/26/2006 01:52	
1,2-DCA	ND	0.50	ug/L	1.00	01/26/2006 01:52	
EDB	ND	0.50	ug/L	1.00	01/26/2006 01:52	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.6	72-130	%	1.00	01/26/2006 01:52	
Toluene-d8	96.7	81-114	%	1.00	01/26/2006 01:52	



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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-W17.5`</b>	Lab ID: 2006-01-0161 - 10
Sampled: 01/17/2006 12:00	Extracted: 1/26/2006 02:18
Matrix: Water	QC Batch#: 2006/01/25-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/26/2006 02:18	
Benzene	ND	0.50	ug/L	1.00	01/26/2006 02:18	
Toluene	ND	0.50	ug/L	1.00	01/26/2006 02:18	
Ethylbenzene	ND	0.50	ug/L	1.00	01/26/2006 02:18	
Total xylenes	ND	1.0	ug/L	1.00	01/26/2006 02:18	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/26/2006 02:18	
Methyl tert-butyl ether (MTBE)	5.4	0.50	ug/L	1.00	01/26/2006 02:18	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/26/2006 02:18	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/26/2006 02:18	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/26/2006 02:18	
1,2-DCA	ND	0.50	ug/L	1.00	01/26/2006 02:18	
EDB	ND	0.50	ug/L	1.00	01/26/2006 02:18	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.2	72-130	%	1.00	01/26/2006 02:18	
Toluene-d8	94.4	81-114	%	1.00	01/26/2006 02:18	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-6-38W</b>	Lab ID: 2006-01-0161 - 11
Sampled: 01/17/2006 12:25	Extracted: 1/31/2006 05:35
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/31/2006 05:35	
Benzene	ND	0.50	ug/L	1.00	01/31/2006 05:35	
Toluene	ND	0.50	ug/L	1.00	01/31/2006 05:35	
Ethylbenzene	ND	0.50	ug/L	1.00	01/31/2006 05:35	
Total xylenes	ND	1.0	ug/L	1.00	01/31/2006 05:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/31/2006 05:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/31/2006 05:35	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/31/2006 05:35	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/31/2006 05:35	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/31/2006 05:35	
1,2-DCA	ND	0.50	ug/L	1.00	01/31/2006 05:35	
EDB	ND	0.50	ug/L	1.00	01/31/2006 05:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.2	72-130	%	1.00	01/31/2006 05:35	
Toluene-d8	92.2	81-114	%	1.00	01/31/2006 05:35	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
 Sonoma, CA 95476  
 Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
 98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-5.0`</b>	Lab ID: 2006-01-0161 - 12
Sampled: 01/17/2006 14:45	Extracted: 1/29/2006 20:20
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 20:20	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
tert-Butyl alcohol (TBA)	0.030	0.010	mg/Kg	1.00	01/29/2006 20:20	
Methyl tert-butyl ether (MTBE)	0.0066	0.0050	mg/Kg	1.00	01/29/2006 20:20	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 20:20	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 20:20	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	105.0	72-124	%	1.00	01/29/2006 20:20	
Toluene-d8	93.6	72-116	%	1.00	01/29/2006 20:20	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-10</b>	Lab ID: 2006-01-0161 - 13
Sampled: 01/17/2006 15:05	Extracted: 1/29/2006 23:25
Matrix: Soil	QC Batch#: 2006/01/29-1A.62
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	19	4.9	mg/Kg	4.90	01/29/2006 23:25	
Benzene	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
Toluene	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
Ethyl benzene	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
Total xylenes	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
tert-Butyl alcohol (TBA)	ND	0.049	mg/Kg	4.90	01/29/2006 23:25	
Methyl tert-butyl ether (MTBE)	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
Di-isopropyl Ether (DIPE)	ND	0.049	mg/Kg	4.90	01/29/2006 23:25	
Ethyl tert-butyl ether (ETBE)	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
tert-Amyl methyl ether (TAME)	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
1,2-DCA	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
EDB	ND	0.025	mg/Kg	4.90	01/29/2006 23:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.4	72-124	%	4.90	01/29/2006 23:25	
Toluene-d8	84.1	72-116	%	4.90	01/29/2006 23:25	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

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Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-15</b>	Lab ID: 2006-01-0161 - 14
Sampled: 01/17/2006 15:10	Extracted: 1/29/2006 20:47
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 20:47	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
tert-Butyl alcohol (TBA)	0.27	0.010	mg/Kg	1.00	01/29/2006 20:47	
Methyl tert-butyl ether (MTBE)	0.012	0.0050	mg/Kg	1.00	01/29/2006 20:47	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 20:47	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 20:47	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	72-124	%	1.00	01/29/2006 20:47	
Toluene-d8	93.2	72-116	%	1.00	01/29/2006 20:47	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-20</b>	Lab ID: 2006-01-0161 - 15
Sampled: 01/17/2006 15:15	Extracted: 1/29/2006 21:13
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 21:13	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 21:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 21:13	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 21:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.8	72-124	%	1.00	01/29/2006 21:13	
Toluene-d8	95.9	72-116	%	1.00	01/29/2006 21:13	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-25</b>	Lab ID: 2006-01-0161 - 16
Sampled: 01/17/2006 15:25	Extracted: 1/29/2006 21:40
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 21:40	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 21:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 21:40	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 21:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.1	72-124	%	1.00	01/29/2006 21:40	
Toluene-d8	92.8	72-116	%	1.00	01/29/2006 21:40	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-30</b>	Lab ID: 2006-01-0161 - 17
Sampled: 01/17/2006 15:35	Extracted: 1/29/2006 22:06
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 22:06	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 22:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 22:06	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.8	72-124	%	1.00	01/29/2006 22:06	
Toluene-d8	90.8	72-116	%	1.00	01/29/2006 22:06	



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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-35</b>	Lab ID: 2006-01-0161 - 18
Sampled: 01/17/2006 15:45	Extracted: 1/29/2006 15:29
Matrix: Soil	QC Batch#: 2006/01/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	01/29/2006 15:29	
Benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
Toluene	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
Total xylenes	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	01/29/2006 15:29	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	01/29/2006 15:29	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
1,2-DCA	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
EDB	ND	0.0050	mg/Kg	1.00	01/29/2006 15:29	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	94.0	72-124	%	1.00	01/29/2006 15:29	
Toluene-d8	92.9	72-116	%	1.00	01/29/2006 15:29	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2006/01/25-2A.66**

MB: 2006/01/25-2A.66-047

Date Extracted: 01/25/2006 21:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/25/2006 21:47	
Gasoline [Shell]	ND	50	ug/L	01/25/2006 21:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/25/2006 21:47	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/25/2006 21:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/25/2006 21:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/25/2006 21:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/25/2006 21:47	
1,2-DCA	ND	0.5	ug/L	01/25/2006 21:47	
EDB	ND	0.5	ug/L	01/25/2006 21:47	
Benzene	ND	0.5	ug/L	01/25/2006 21:47	
Toluene	ND	0.5	ug/L	01/25/2006 21:47	
Ethylbenzene	ND	0.5	ug/L	01/25/2006 21:47	
Total xylenes	ND	1.0	ug/L	01/25/2006 21:47	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	88.4	72-130	%	01/25/2006 21:47	
Toluene-d8	94.8	81-114	%	01/25/2006 21:47	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/01/29-1A.62**

MB: 2006/01/29-1A.62-002

Date Extracted: 01/29/2006 14:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	01/29/2006 14:02	
Gasoline [Shell]	ND	1.0	mg/Kg	01/29/2006 14:02	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	01/29/2006 14:02	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	01/29/2006 14:02	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	01/29/2006 14:02	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	01/29/2006 14:02	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	01/29/2006 14:02	
1,2-DCA	ND	0.0050	mg/Kg	01/29/2006 14:02	
EDB	ND	0.0050	mg/Kg	01/29/2006 14:02	
Benzene	ND	0.0050	mg/Kg	01/29/2006 14:02	
Toluene	ND	0.0050	mg/Kg	01/29/2006 14:02	
Ethyl benzene	ND	0.0050	mg/Kg	01/29/2006 14:02	
Total xylenes	ND	0.0050	mg/Kg	01/29/2006 14:02	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	104.4	72-124	%	01/29/2006 14:02	
Toluene-d8	95.4	72-116	%	01/29/2006 14:02	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2006/01/30-1A.66**

MB: 2006/01/30-1A.66-043

Date Extracted: 01/30/2006 21:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/30/2006 21:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/30/2006 21:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/30/2006 21:43	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/30/2006 21:43	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/30/2006 21:43	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/30/2006 21:43	
1,2-DCA	ND	0.5	ug/L	01/30/2006 21:43	
EDB	ND	0.5	ug/L	01/30/2006 21:43	
Benzene	ND	0.5	ug/L	01/30/2006 21:43	
Toluene	ND	0.5	ug/L	01/30/2006 21:43	
Ethylbenzene	ND	0.5	ug/L	01/30/2006 21:43	
Total xylenes	ND	1.0	ug/L	01/30/2006 21:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.8	72-130	%	01/30/2006 21:43	
Toluene-d8	97.2	81-114	%	01/30/2006 21:43	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/25-2A.66</b>				
LCS	2006/01/25-2A.66-052		Extracted: 01/25/2006			Analyzed: 01/25/2006 20:52				
LCSD	2006/01/25-2A.66-020		Extracted: 01/25/2006			Analyzed: 01/25/2006 21:20				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.8	26.0	25	107.2	104.0	3.0	65-165	20		
Benzene	26.2	24.6	25	104.8	98.4	6.3	69-129	20		
Toluene	26.8	26.5	25	107.2	106.0	1.1	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	429	435	500	85.8	87.0		72-130			
Toluene-d8	464	481	500	92.8	96.2		81-114			

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

Cambria Environmental Sonoma

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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2006/01/29-1A.62**

LCS 2006/01/29-1A.62-009

Extracted: 01/29/2006

Analyzed: 01/29/2006 13:09

LCSD 2006/01/29-1A.62-035

Extracted: 01/29/2006

Analyzed: 01/29/2006 13:35

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0510	0.0543	0.05	102.0	108.6	6.3	65-165	20		
Benzene	0.0406	0.0388	0.05	81.2	77.6	4.5	69-129	20		
Toluene	0.0494	0.0490	0.05	98.8	98.0	0.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	467	481	500	93.4	96.2		72-124			
Toluene-d8	485	459	500	97.0	91.8		72-116			

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

Cambria Environmental Sonoma

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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>	<b>Water</b>	<b>QC Batch # 2006/01/30-1A.66</b>	
LCS 2006/01/30-1A.66-030	Extracted: 01/30/2006	Analyzed: 01/30/2006 20:30	
LCSD 2006/01/30-1A.66-019	Extracted: 01/30/2006	Analyzed: 01/30/2006 21:19	

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.6	26.1	25	106.4	104.4	1.9	65-165	20		
Benzene	26.4	25.9	25	105.6	103.6	1.9	69-129	20		
Toluene	27.8	27.5	25	111.2	110.0	1.1	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	464	478	500	92.8	95.6		72-130			
Toluene-d8	497	486	500	99.4	97.2		81-114			

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

Cambria Environmental Sonoma

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Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2006/01/29-1A.62</b>
SB-7-35 >> MS		Lab ID: 2006-01-0161 - 018
MS: 2006/01/29-1A.62-030	Extracted: 01/29/2006	Analyzed: 01/29/2006 14:35
		Dilution: 1.00
MSD: 2006/01/29-1A.62-028	Extracted: 01/29/2006	Analyzed: 01/29/2006 15:02
		Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0484	0.0511	ND	0.047892	101.1	102.2	1.2	65-165	20		
Benzene	0.0387	0.0392	ND	0.047892	80.8	78.4	3.0	69-129	20		
Toluene	0.0472	0.0483	ND	0.047892	98.6	96.6	1.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	465	457		500	93.0	91.4		72-124			
Toluene-d8	475	466		500	95.0	93.2		72-116			



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

Cambria Environmental Sonoma

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Project: 247-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Batch QC Report**

Prep(s): 5030B	Test(s): 8260B	
<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2006/01/30-1A.66</b>
MS/MSD	Lab ID: 2006-01-0166 - 003	
MS: 2006/01/30-1A.66-023	Extracted: 01/31/2006	Analyzed: 01/31/2006 02:23
		Dilution: 20.00
MSD: 2006/01/30-1A.66-047	Extracted: 01/31/2006	Analyzed: 01/31/2006 02:47
		Dilution: 20.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	736	794	315	500	84.2	95.8	12.9	65-165	20		
Benzene	974	949	670	500	60.8	55.8	8.6	69-129	20	M5	M5
Toluene	668	611	150	500	103.6	92.2	11.6	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	461	507		500	92.3	101.4		72-130			
Toluene-d8	512	482		500	102.4	96.4		81-114			

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

Cambria Environmental Sonoma

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Project: 247-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High Street, Oakland

**Legend and Notes**

**Analysis Flag**

L2

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

**Result Flag**

M5

MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS).

# SHELL Chain Of Custody Record

300428

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (Location) \_\_\_\_\_

Shell Project Manager to be invoiced:

- ENVIRONMENTAL SERVICES
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2006-01-0161

NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

9 8 9 9 5 7 5 1

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 6 9 3

DATE: 1/17/06

PAGE: 1 of 2

SAMPLING COMPANY:  
Cambria Environmental Technology, Inc.

LOG CODE:  
CETS

SITE ADDRESS: Street and City  
630 High Street, Oakland

State  
CA

GLOBAL ID NO.:  
T0600101273

ADDRESS:  
270 Perkins Street, Sonoma, CA 95476

EDF (DELIVERABLE TO (Responsible Party or Designee))

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to):

Susan Lukaszewicz

707-933-2376

sonomaedf@cambria-env.com

247-0318

Dennis Baertschi

TELEPHONE:  
707-268-3813

FAX:  
707-935-6649

E-MAIL:  
dbaertschi@cambria-env.com

SAMPLER NAME(S) (Print):  
Kevin Taylor

LAB USE ONLY

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

LA - RWQCB REPORT FORMAT    UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

### REQUESTED ANALYSIS

### FIELD NOTES:

Container/Preservative  
or PID Readings  
or Laboratory Notes

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	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)	TEMPERATURE ON RECEIPT OF	
		DATE	TIME																							
1	SB-6-5.0'	1/17/06	9:30	SO	1	X	X	X	X						X	X										
2	SB-6-10.0'		9:40																							
3	SB-6-15.0'		9:50																							
4	SB-6-20.0'		10:00																							
5	SB-6-25.0'		10:10																							
6	SB-6-30.0'		10:20																							
7	SB-6-35.0'		10:30																							
8	SB-6-40.0'		10:40	↓	↓																					
9	SB-6-W10.0'		11:45	WA	6																					
10	SB-6-W17.5'	↓	12:00	WA	6	↓	↓	↓	↓																	40p 3net, 3vnp ↓   ↓

Relinquished by: (Signature)  
*[Signature]*

Relinquished by: (Signature)  
Cambria Sonoma

Relinquished by: (Signature)  
*[Signature]*

Received by: (Signature)  
Cambria Sonoma (Secure location)

Received by: (Signature)  
*[Signature]*

Received by: (Signature)  
*[Signature]*

Date: 1/19/06      Time: 17:30

Date: 1/20/06      Time: 12:00

Date: 1/20/06      Time: 16:00

# SHELL Chain Of Custody Record

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (location) \_\_\_\_\_

**Shell Project Manager to be invoiced:**

ENVIRONMENTAL SERVICES: *Deans Brown*

TECHNICAL SERVICES:

CRMT HOUSTON

NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

## 2006-01-0161

**INCIDENT NUMBER (ES ONLY)**  
9 8 9 7 5 7 5 1

**SAP or CRMT NUMBER (TS/CRMT)**  
1 3 5 6 9 3

DATE: *1/17/06*

PAGE: *2* of *2*

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>	LOG CODE: <b>CETS</b>	SITE ADDRESS: Street and City <i>630 High St, Oakland</i>	State <b>CA</b>	GLOBAL ID NO.: <b>10600101273</b>
ADDRESS: <b>270 Perkins Street, Sonoma, CA 95476</b>		EDF DELIVERABLE TO (Responsible Party or Designer): <b>Susan Lukaszewicz</b>	PHONE NO.: <b>707-933-2376</b>	E-MAIL: <b>sonomaedf@cambria-env.com</b>
PROJECT CONTACT (Microscopy or EDF Report to): <i>Deans Baertschi</i>		SAMPLER NAME(S) (Print): <i>Karin Taylor</i>		CONTRACT PROJECT NO.: <b>248-0518</b>
TELEPHONE: <b>707-268-3813</b>	FAX: <b>707-935-6649</b>	E-MAIL: <b>dbaertschi@cambria-env.com</b>		

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

LA - RWQCB REPORT FORMAT  VST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

RECEIPT VERIFICATION REQUESTED

### REQUESTED ANALYSIS

TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIFE (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	LUFT5 <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)
X	X	X	X						X	X								

**FIELD NOTES:**

Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.
			DATE	TIME		
	<i>SB-6-38W</i>		<i>1/17/06</i>	<i>12:25</i>	<i>H2O</i>	<i>6</i>
	<i>SB-7-5.0</i>			<i>2:45</i>	<i>SO</i>	<i>1</i>
	<i>SB-7-10</i>			<i>3:05</i>		
	<i>SB-7-15</i>			<i>3:10</i>		
	<i>SB-7-20</i>			<i>3:15</i>		
	<i>SB-7-25</i>			<i>3:25</i>		
	<i>SB-7-30</i>			<i>3:35</i>		
	<i>SB-7-35</i>		<i>1/17/06</i>	<i>3:45</i>	<i>SO</i>	<i>1</i>
	<del><i>SB-7-40</i></del>		<del><i>1/17/06</i></del>	<del><i>5:00</i></del>	<del><i>SO</i></del>	<del><i>4</i></del>

TEMPERATURE ON RECEIPT °C  
*22*

*Wats 3-Hcl, 3 Wats*

Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Cambria Sonoma (secure location)</i>	Date: <i>1/19/06</i>	Time: <i>17:30</i>
Requested by: (Signature) <i>Cambria Sonoma</i>	Received by: (Signature) <i>[Signature]</i>	Date: <i>1/20/06</i>	Time: <i>17:00</i>
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <i>1/20/06</i>	Time: <i>16:00</i>

**Cambria Environmental Sonoma**

February 08, 2006

270 Perkins Street  
Sonoma, CA 95476

Attn.: Dennis Baertschi

Project#: 248-0318

Project: 98995751

Site: 630 High St, Oakland

Attached is our report for your samples received on 01/20/2006 12:00

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

Please note that any unused portion of the samples will be discarded after 03/06/2006 unless you have requested otherwise.

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

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-7-12.0`W	01/18/2006 08:45	Water	1
SB-7-38.0`W	01/18/2006 09:50	Water	2
SB-5-10.0`W	01/18/2006 12:15	Water	3
SB-5-40.5`W	01/18/2006 13:30	Water	4
SB-9-9.0`W	01/18/2006 16:30	Water	5
SB-9-20.0`W	01/18/2006 16:45	Water	6
SB-9-40.0`W	01/18/2006 17:00	Water	7

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-7-12.0`W</b>	Lab ID: 2006-01-0162 - 1
Sampled: 01/18/2006 08:45	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1200	50	ug/L	1.00	01/26/2006 17:03	edr
<b>Surrogate(s)</b> o-Terphenyl	98.1	64-127	%	1.00	01/26/2006 17:03	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-7-38.0`W</b>	Lab ID: 2006-01-0162 - 2
Sampled: 01/18/2006 09:50	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/26/2006 17:30	
<b>Surrogate(s)</b> o-Terphenyl	102.7	64-127	%	1.00	01/26/2006 17:30	



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-5-10.0`W</b>	Lab ID: 2006-01-0162 - 3
Sampled: 01/18/2006 12:15	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/26/2006 17:58	
<b>Surrogate(s)</b> o-Terphenyl	100.6	64-127	%	1.00	01/26/2006 17:58	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-5-40.5'W</b>	Lab ID: 2006-01-0162 - 4
Sampled: 01/18/2006 13:30	Extracted: 1/24/2006 07:04
Matrix: Water	QC Batch#: 2006/01/24-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	01/26/2006 19:19	ndp
<b>Surrogate(s)</b> o-Terphenyl	101.5	64-127	%	1.00	01/26/2006 19:19	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-9-9.0`W</b>	Lab ID: 2006-01-0162 - 5
Sampled: 01/18/2006 16:30	Extracted: 1/24/2006 07:06
Matrix: Water	QC Batch#: 2006/01/24-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/27/2006 03:56	
<b>Surrogate(s)</b> o-Terphenyl	98.6	64-127	%	1.00	01/27/2006 03:56	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-9-20.0`W</b>	Lab ID: 2006-01-0162 - 6
Sampled: 01/18/2006 16:45	Extracted: 1/24/2006 07:06
Matrix: Water	QC Batch#: 2006/01/24-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/27/2006 04:23	
<b>Surrogate(s)</b> o-Terphenyl	99.2	64-127	%	1.00	01/27/2006 04:23	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-9-40.0`W</b>	Lab ID: 2006-01-0162 - 7
Sampled: 01/18/2006 17:00	Extracted: 1/24/2006 07:06
Matrix: Water	QC Batch#: 2006/01/24-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/27/2006 04:50	
<b>Surrogate(s)</b> o-Terphenyl	104.5	64-127	%	1.00	01/27/2006 04:50	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Batch QC Report**

Prep(s): 3511 Test(s): 8015M  
**Method Blank** **Water** **QC Batch # 2006/01/24-03.10**  
 MB: 2006/01/24-03.10-001 Date Extracted: 01/24/2006 07:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/26/2006 00:38	
<b>Surrogates(s)</b> o-Terphenyl	98.8	64-127	%	01/26/2006 00:38	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Batch QC Report**

Prep(s): 3511

**Method Blank**

MB: 2006/01/24-04.10-001

**Water**

Test(s): 8015M

**QC Batch # 2006/01/24-04.10**

Date Extracted: 01/24/2006 07:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/26/2006 19:46	
<b>Surrogates(s)</b> o-Terphenyl	101.8	64-127	%	01/26/2006 19:46	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/24-03.10</b>				
LCS	2006/01/24-03.10-002		Extracted: 01/24/2006			Analyzed: 01/26/2006 01:05				
LCSD	2006/01/24-03.10-003		Extracted: 01/24/2006			Analyzed: 01/26/2006 02:26				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	557	563	714	78.0	78.9	1.1	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.29	1.26	1.25	103.0	100.5		64-127	0		



**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/24-04.10</b>				
LCS	2006/01/24-04.10-002		Extracted: 01/24/2006			Analyzed: 01/26/2006 20:14				
LCSD	2006/01/24-04.10-003		Extracted: 01/24/2006			Analyzed: 01/26/2006 20:41				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	562	575	714	78.7	80.5	2.3	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.31	1.30	1.25	105.1	104.0		64-127	0		

## Diesel (C9-C24)

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

### Legend and Notes

#### Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-7-12.0`W	01/18/2006 08:45	Water	1
SB-7-38.0`W	01/18/2006 09:50	Water	2
SB-5-10.0`W	01/18/2006 12:15	Water	3
SB-5-40.5`W	01/18/2006 13:30	Water	4
SB-9-9.0`W	01/18/2006 16:30	Water	5
SB-9-20.0`W	01/18/2006 16:45	Water	6
SB-9-40.0`W	01/18/2006 17:00	Water	7

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-12.0`W</b>	Lab ID: 2006-01-0162 - 1
Sampled: 01/18/2006 08:45	Extracted: 1/30/2006 16:11
Matrix: Water	QC Batch#: 2006/01/30-1A.64
pH: 4	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	2700	50	ug/L	1.00	01/30/2006 16:11	.
Benzene	ND	0.50	ug/L	1.00	01/30/2006 16:11	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 16:11	
Ethylbenzene	0.64	0.50	ug/L	1.00	01/30/2006 16:11	
Total xylenes	1.9	1.0	ug/L	1.00	01/30/2006 16:11	
tert-Butyl alcohol (TBA)	95	5.0	ug/L	1.00	01/30/2006 16:11	
Methyl tert-butyl ether (MTBE)	37	0.50	ug/L	1.00	01/30/2006 16:11	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 16:11	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 16:11	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 16:11	
1,2-DCA	ND	0.50	ug/L	1.00	01/30/2006 16:11	
EDB	ND	0.50	ug/L	1.00	01/30/2006 16:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.2	72-130	%	1.00	01/30/2006 16:11	
Toluene-d8	97.5	81-114	%	1.00	01/30/2006 16:11	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-7-38.0`W</b>	Lab ID: 2006-01-0162 - 2
Sampled: 01/18/2006 09:50	Extracted: 1/30/2006 16:32
Matrix: Water	QC Batch#: 2006/01/30-1A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	56	50	ug/L	1.00	01/30/2006 16:32	
Benzene	ND	0.50	ug/L	1.00	01/30/2006 16:32	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 16:32	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 16:32	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2006 16:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 16:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2006 16:32	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 16:32	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 16:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 16:32	
1,2-DCA	ND	0.50	ug/L	1.00	01/30/2006 16:32	
EDB	ND	0.50	ug/L	1.00	01/30/2006 16:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	88.3	72-130	%	1.00	01/30/2006 16:32	
Toluene-d8	89.1	81-114	%	1.00	01/30/2006 16:32	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-10.0`W</b>	Lab ID: 2006-01-0162 - 3
Sampled: 01/18/2006 12:15	Extracted: 1/30/2006 22:17
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/30/2006 22:17	
Benzene	ND	0.50	ug/L	1.00	01/30/2006 22:17	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 22:17	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 22:17	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2006 22:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 22:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2006 22:17	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 22:17	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 22:17	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 22:17	
1,2-DCA	ND	0.50	ug/L	1.00	01/30/2006 22:17	
EDB	ND	0.50	ug/L	1.00	01/30/2006 22:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.3	72-130	%	1.00	01/30/2006 22:17	
Toluene-d8	93.3	81-114	%	1.00	01/30/2006 22:17	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-40.5 W</b>	Lab ID: 2006-01-0162 - 4
Sampled: 01/18/2006 13:30	Extracted: 1/30/2006 22:41
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/30/2006 22:41	
Benzene	0.93	0.50	ug/L	1.00	01/30/2006 22:41	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 22:41	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 22:41	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2006 22:41	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 22:41	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2006 22:41	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 22:41	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 22:41	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 22:41	
1,2-DCA	0.69	0.50	ug/L	1.00	01/30/2006 22:41	
EDB	ND	0.50	ug/L	1.00	01/30/2006 22:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.7	72-130	%	1.00	01/30/2006 22:41	
Toluene-d8	93.8	81-114	%	1.00	01/30/2006 22:41	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-9.0'W</b>	Lab ID: 2006-01-0162 - 5
Sampled: 01/18/2006 16:30	Extracted: 1/30/2006 23:05
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/30/2006 23:05	
Benzene	ND	0.50	ug/L	1.00	01/30/2006 23:05	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 23:05	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 23:05	
Total xylenes	1.7	1.0	ug/L	1.00	01/30/2006 23:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 23:05	
Methyl tert-butyl ether (MTBE)	6.7	0.50	ug/L	1.00	01/30/2006 23:05	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 23:05	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 23:05	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 23:05	
1,2-DCA	ND	0.50	ug/L	1.00	01/30/2006 23:05	
EDB	ND	0.50	ug/L	1.00	01/30/2006 23:05	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.5	72-130	%	1.00	01/30/2006 23:05	
Toluene-d8	99.6	81-114	%	1.00	01/30/2006 23:05	



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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-20.0`W</b>	Lab ID: 2006-01-0162 - 6
Sampled: 01/18/2006 16:45	Extracted: 1/30/2006 23:30
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/30/2006 23:30	
Benzene	ND	0.50	ug/L	1.00	01/30/2006 23:30	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 23:30	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 23:30	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2006 23:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 23:30	
Methyl tert-butyl ether (MTBE)	6.5	0.50	ug/L	1.00	01/30/2006 23:30	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 23:30	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 23:30	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 23:30	
1,2-DCA	ND	0.50	ug/L	1.00	01/30/2006 23:30	
EDB	ND	0.50	ug/L	1.00	01/30/2006 23:30	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	90.2	72-130	%	1.00	01/30/2006 23:30	
Toluene-d8	92.2	81-114	%	1.00	01/30/2006 23:30	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-40.0`W</b>	Lab ID: 2006-01-0162 - 7
Sampled: 01/18/2006 17:00	Extracted: 1/30/2006 23:54
Matrix: Water	QC Batch#: 2006/01/30-1A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	01/30/2006 23:54	
Benzene	ND	0.50	ug/L	1.00	01/30/2006 23:54	
Toluene	ND	0.50	ug/L	1.00	01/30/2006 23:54	
Ethylbenzene	ND	0.50	ug/L	1.00	01/30/2006 23:54	
Total xylenes	ND	1.0	ug/L	1.00	01/30/2006 23:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	01/30/2006 23:54	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/30/2006 23:54	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	01/30/2006 23:54	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	01/30/2006 23:54	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	01/30/2006 23:54	
1,2-DCA	0.56	0.50	ug/L	1.00	01/30/2006 23:54	
EDB	ND	0.50	ug/L	1.00	01/30/2006 23:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.5	72-130	%	1.00	01/30/2006 23:54	
Toluene-d8	98.7	81-114	%	1.00	01/30/2006 23:54	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2006/01/30-1A.64-043

**Water**

Test(s): 8260B

**QC Batch # 2006/01/30-1A.64**

Date Extracted: 01/30/2006 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/30/2006 10:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/30/2006 10:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/30/2006 10:43	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/30/2006 10:43	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/30/2006 10:43	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/30/2006 10:43	
1,2-DCA	ND	0.5	ug/L	01/30/2006 10:43	
EDB	ND	0.5	ug/L	01/30/2006 10:43	
Benzene	ND	0.5	ug/L	01/30/2006 10:43	
Toluene	ND	0.5	ug/L	01/30/2006 10:43	
Ethylbenzene	ND	0.5	ug/L	01/30/2006 10:43	
Total xylenes	ND	1.0	ug/L	01/30/2006 10:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.4	72-130	%	01/30/2006 10:43	
Toluene-d8	93.2	81-114	%	01/30/2006 10:43	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2006/01/30-1A.66**

MB: 2006/01/30-1A.66-043

Date Extracted: 01/30/2006 21:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/30/2006 21:43	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/30/2006 21:43	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/30/2006 21:43	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/30/2006 21:43	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/30/2006 21:43	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/30/2006 21:43	
1,2-DCA	ND	0.5	ug/L	01/30/2006 21:43	
EDB	ND	0.5	ug/L	01/30/2006 21:43	
Benzene	ND	0.5	ug/L	01/30/2006 21:43	
Toluene	ND	0.5	ug/L	01/30/2006 21:43	
Ethylbenzene	ND	0.5	ug/L	01/30/2006 21:43	
Total xylenes	ND	1.0	ug/L	01/30/2006 21:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.8	72-130	%	01/30/2006 21:43	
Toluene-d8	97.2	81-114	%	01/30/2006 21:43	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/30-1A.64</b>				
LCS	2006/01/30-1A.64-000		Extracted: 01/30/2006			Analyzed: 01/30/2006 10:00				
LCSD	2006/01/30-1A.64-022		Extracted: 01/30/2006			Analyzed: 01/30/2006 10:22				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.1	23.8	25	96.4	95.2	1.3	65-165	20		
Benzene	24.4	24.8	25	97.6	99.2	1.6	69-129	20		
Toluene	26.3	26.4	25	105.2	105.6	0.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	432	433	500	86.4	86.6		72-130			
Toluene-d8	453	462	500	90.6	92.4		81-114			

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>	<b>Water</b>	<b>QC Batch # 2006/01/30-1A.66</b>	
LCS 2006/01/30-1A.66-030	Extracted: 01/30/2006	Analyzed: 01/30/2006 20:30	
LCSD 2006/01/30-1A.66-019	Extracted: 01/30/2006	Analyzed: 01/30/2006 21:19	

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.6	26.1	25	106.4	104.4	1.9	65-165	20		
Benzene	26.4	25.9	25	105.6	103.6	1.9	69-129	20		
Toluene	27.8	27.5	25	111.2	110.0	1.1	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	464	478	500	92.8	95.6		72-130			
Toluene-d8	497	486	500	99.4	97.2		81-114			

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

Cambria Environmental Sonoma

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Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2006/01/30-1A.66**

MS/MSD

Lab ID: 2006-01-0166 - 003

MS: 2006/01/30-1A.66-023

Extracted: 01/31/2006

Analyzed: 01/31/2006 02:23

Dilution: 20.00

MSD: 2006/01/30-1A.66-047

Extracted: 01/31/2006

Analyzed: 01/31/2006 02:47

Dilution: 20.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	736	794	315	500	84.2	95.8	12.9	65-165	20		
Benzene	974	949	670	500	60.8	55.8	8.6	69-129	20	M5	M5
Toluene	668	611	150	500	103.6	92.2	11.6	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	461	507		500	92.3	101.4		72-130			
Toluene-d8	512	482		500	102.4	96.4		81-114			

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/20/2006 12:00

Site: 630 High St, Oakland

**Legend and Notes**

**Result Flag**

.

-

M5

MS/MSD spike recoveries were below acceptance limits.  
See blank spike (LCS).



LAB: Test America **STL** Other \_\_\_\_\_

# SHELL Chain Of Custody Record

200426

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL**
- Other (location) \_\_\_\_\_

Shell Project Manager to be invoiced:

ENVIRONMENTAL SERVICES

TECHNICAL SERVICES

CRMT HOUSTON

Dennis Brown  
**2006-01-0162**

NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

98995751

SAP or CRMT NUMBER (TS/CRMT)

135693

DATE: 1/18/06

PAGE: 1 of 1

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>	LOG CODE: <b>CETS</b>	SITE ADDRESS: Street and City <b>630 High St, Oakland</b>	State <b>CA</b>	GLOBAL ID NO.: <b>T0600101273</b>
ADDRESS: <b>270 Perkins Street, Sonoma, CA 95476</b>		EDP DELIVERABLE TO (Responsible Party or Designer):	PHONE NO.:	E-MAIL:
PROJECT CONTACT (Background or PDF Report to): <b>Dennis Baertschi</b>		<b>Susan Lukaszewicz</b>	<b>707-933-2376</b>	<b>sonomaedf@cambria-env.com</b>
TELEPHONE: <b>268-3813</b>	FAX: <b>707-935-6649</b>	SAMPLER NAME(S) (if any): <b>Kevin Taylor</b>		CONSULTANT PROJECT NO.: <b>248-0318</b>
E-MAIL: <b>dbaertschi@cambria-env.com</b>		<b>LAB USE ONLY</b>		

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):

STD    5 DAY    3 DAY    2 DAY    24 HOURS    RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT    UST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

## REQUESTED ANALYSIS

TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	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"/> STC <input type="checkbox"/> TCLP	LUFT5 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TCLP	Test for Disposal (see attached)
X	X	X	X							X	X							

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

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRX	NO. OF CONT.
		DATE	TIME		
1	SB-7-12.0'w	1/18/06	8:45	H <sub>2</sub> O	6
2	SB-7-38.0'w		9:50		
3	SB-5-10.0'w		12:15		
4	SB-5-40.5'w		13:30		
5	SB-9-9.0'w		16:30		
6	SB-9-20.0'w		16:45		
7	SB-9-40.0'w	1/18/06	17:00	H <sub>2</sub> O	6

TEMPERATURE ON RECEIPT °C  
**2°C**

3-Hcl volts, 3-Volt

Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/19/06	Time: 17:30
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/20/06	Time: 12:00
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/20/06	Time: 16:00

**Cambria Environmental Sonoma**

February 10, 2006

270 Perkins Street  
Sonoma, CA 95476

Attn.: Dennis Baertschi

Project#: 248-0318

Project: 98995751

Site: 630 High St., Oakland

Attached is our report for your samples received on 01/24/2006 11:15

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

Please note that any unused portion of the samples will be discarded after 03/10/2006 unless you have requested otherwise.

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

You can also contact me via email. My email address is: [mbrewer@stl-inc.com](mailto:mbrewer@stl-inc.com)

Sincerely,



Melissa Brewer  
Project Manager

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-5-5.0	01/23/2006 08:10	Soil	1
SB-5-10.0	01/23/2006 08:15	Soil	2
SB-5-15.0	01/23/2006 08:20	Soil	3
SB-5-20.0	01/23/2006 08:30	Soil	4
SB-5-30.0	01/23/2006 08:40	Soil	5
SB-5-40.0	01/23/2006 08:50	Soil	6
SB-9-5.0	01/23/2006 10:00	Soil	8
SB-9-10.0	01/23/2006 10:05	Soil	9
SB-9-15.0	01/23/2006 10:10	Soil	10
SB-9-20.0	01/23/2006 10:15	Soil	11
SB-9-30.0	01/23/2006 10:20	Soil	12
SB-9-40.0	01/23/2006 10:30	Soil	13
SB-8-5.0	01/23/2006 11:15	Soil	14
SB-8-10.0	01/23/2006 11:20	Soil	15
SB-8-15.0	01/23/2006 11:25	Soil	16
SB-8-20.0	01/23/2006 11:30	Soil	17
SB-8-30.0	01/23/2006 11:40	Soil	18
SB-8-40.0	01/23/2006 11:50	Soil	19

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-5.0</b>	Lab ID: 2006-01-0183 - 1
Sampled: 01/23/2006 08:10	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 17:46	
<b>Surrogate(s)</b> o-Terphenyl	77.2	60-130	%	1.00	01/30/2006 17:46	

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-10.0</b>	Lab ID: 2006-01-0183 - 2
Sampled: 01/23/2006 08:15	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 19:09	
<b>Surrogate(s)</b> o-Terphenyl	79.4	60-130	%	1.00	01/30/2006 19:09	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-15.0</b>	Lab ID: 2006-01-0183 - 3
Sampled: 01/23/2006 08:20	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 19:36	
<b>Surrogate(s)</b> o-Terphenyl	84.8	60-130	%	1.00	01/30/2006 19:36	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-20.0</b>	Lab ID: 2006-01-0183 - 4
Sampled: 01/23/2006 08:30	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 20:03	
<b>Surrogate(s)</b> o-Terphenyl	76.0	60-130	%	1.00	01/30/2006 20:03	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-30.0</b>	Lab ID: 2006-01-0183 - 5
Sampled: 01/23/2006 08:40	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 21:52	
<b>Surrogate(s)</b> o-Terphenyl	76.7	60-130	%	1.00	01/30/2006 21:52	



**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-5-40.0</b>	Lab ID: 2006-01-0183 - 6
Sampled: 01/23/2006 08:50	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 22:20	
<b>Surrogate(s)</b> o-Terphenyl	65.7	60-130	%	1.00	01/30/2006 22:20	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-9-5.0</b>	Lab ID: 2006-01-0183 - 8
Sampled: 01/23/2006 10:00	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 22:47	
<b>Surrogate(s)</b> o-Terphenyl	76.2	60-130	%	1.00	01/30/2006 22:47	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

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Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-9-10.0</b>	Lab ID: 2006-01-0183 - 9
Sampled: 01/23/2006 10:05	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 23:14	
<b>Surrogate(s)</b> o-Terphenyl	76.5	60-130	%	1.00	01/30/2006 23:14	

**Diesel (C9-C24)**

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270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	<b>SB-9-15.0</b>	Lab ID:	2006-01-0183 - 10
Sampled:	01/23/2006 10:10	Extracted:	1/30/2006 05:49
Matrix:	Soil	QC Batch#:	2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 16:24	
<b>Surrogate(s)</b> o-Terphenyl	85.5	60-130	%	1.00	01/30/2006 16:24	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-9-20.0</b>	Lab ID: 2006-01-0183 - 11
Sampled: 01/23/2006 10:15	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 16:51	
<b>Surrogate(s)</b> o-Terphenyl	77.3	60-130	%	1.00	01/30/2006 16:51	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-9-30.0</b>	Lab ID: 2006-01-0183 - 12
Sampled: 01/23/2006 10:20	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 17:18	
<b>Surrogate(s)</b> o-Terphenyl	81.1	60-130	%	1.00	01/30/2006 17:18	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-9-40.0</b>	Lab ID: 2006-01-0183 - 13
Sampled: 01/23/2006 10:30	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 17:46	
<b>Surrogate(s)</b> o-Terphenyl	71.1	60-130	%	1.00	01/30/2006 17:46	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-5.0</b>	Lab ID: 2006-01-0183 - 14
Sampled: 01/23/2006 11:15	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 18:14	
<b>Surrogate(s)</b> o-Terphenyl	81.1	60-130	%	1.00	01/30/2006 18:14	



**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-10.0</b>	Lab ID: 2006-01-0183 - 15
Sampled: 01/23/2006 11:20	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 18:41	
<b>Surrogate(s)</b> o-Terphenyl	79.1	60-130	%	1.00	01/30/2006 18:41	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-15.0</b>	Lab ID: 2006-01-0183 - 16
Sampled: 01/23/2006 11:25	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 19:09	
<b>Surrogate(s)</b> o-Terphenyl	78.4	60-130	%	1.00	01/30/2006 19:09	

**Diesel (C9-C24)**

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270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-20.0</b>	Lab ID: 2006-01-0183 - 17
Sampled: 01/23/2006 11:30	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 19:36	
<b>Surrogate(s)</b> o-Terphenyl	81.4	60-130	%	1.00	01/30/2006 19:36	

**Diesel (C9-C24)**

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-30.0</b>	Lab ID: 2006-01-0183 - 18
Sampled: 01/23/2006 11:40	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 20:03	
<b>Surrogate(s)</b> o-Terphenyl	63.5	60-130	%	1.00	01/30/2006 20:03	

**Diesel (C9-C24)**

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: <b>SB-8-40.0</b>	Lab ID: 2006-01-0183 - 19
Sampled: 01/23/2006 11:50	Extracted: 1/30/2006 05:49
Matrix: Soil	QC Batch#: 2006/01/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	01/30/2006 20:31	
<b>Surrogate(s)</b> o-Terphenyl	66.0	60-130	%	1.00	01/30/2006 20:31	

**Diesel (C9-C24)**

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Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
<b>Method Blank diesel</b>		<b>Soil</b>		<b>QC Batch # 2006/01/30-01.10</b>	
MB: 2006/01/30-01.10-001		Date Extracted: 01/30/2006 05:49			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	01/30/2006 16:24	
<b>Surrogates(s)</b> o-Terphenyl	80.4	60-130	%	01/30/2006 16:24	

**Diesel (C9-C24)**

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report										
Prep(s): 3550/8015M						Test(s): 8015M				
<b>Laboratory Control Spike diesel</b>			<b>Soil</b>			<b>QC Batch # 2006/01/30-01.10</b>				
LCS	2006/01/30-01.10-002		Extracted: 01/30/2006			Analyzed: 01/30/2006 16:51				
LCSD	2006/01/30-01.10-003		Extracted: 01/30/2006			Analyzed: 01/30/2006 17:18				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	37.1	37.6	41.3	89.8	90.6	0.9	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.5	17.4	20.0	87.7	86.8		60-130	0		

**Diesel (C9-C24)**

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Site: 630 High St., Oakland

Batch QC Report											
Prep(s): 3550/8015M						Test(s): 8015M					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2006/01/30-01.10</b>			
SB-5-5.0 >> MS						Lab ID: 2006-01-0183 - 001					
MS: 2006/01/30-01.10-004			Extracted: 01/30/2006			Analyzed: 01/30/2006 18:14					
						Dilution: 1.00					
MSD: 2006/01/30-01.10-005			Extracted: 01/30/2006			Analyzed: 01/30/2006 18:41					
						Dilution: 1.00					

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	31.1	34.2	ND	41.3	75.3	82.2	8.8	60-130	25		
<b>Surrogate(s)</b> o-Terphenyl	15.7	16.3		20.0	78.6	81.4		60-130	0		



**Diesel (C9-C24)**

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Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-8-10.0`W	01/23/2006 09:00	Water	7
SB-8-40.0W	01/23/2006 12:30	Water	20

**Diesel (C9-C24)**

Cambria Environmental Sonoma

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Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-8-10.0`W</b>	Lab ID: 2006-01-0183 - 7
Sampled: 01/23/2006 09:00	Extracted: 1/28/2006 10:28
Matrix: Water	QC Batch#: 2006/01/28-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4900	100	ug/L	2.00	01/31/2006 13:56	edr
<b>Surrogate(s)</b> o-Terphenyl	88.6	64-127	%	2.00	01/31/2006 13:56	

**Diesel (C9-C24)**

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270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: <b>SB-8-40.0W</b>	Lab ID: 2006-01-0183 - 20
Sampled: 01/23/2006 12:30	Extracted: 1/28/2006 10:28
Matrix: Water	QC Batch#: 2006/01/28-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/30/2006 21:28	
<b>Surrogate(s)</b> o-Terphenyl	109.5	64-127	%	1.00	01/30/2006 21:28	

**Diesel (C9-C24)**

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Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report					
Prep(s): 3511		Test(s): 8015M			
<b>Method Blank</b>		<b>Water</b>		<b>QC Batch # 2006/01/28-03.10</b>	
MB: 2006/01/28-03.10-001		Date Extracted: 01/28/2006 10:28			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/30/2006 14:48	
<b>Surrogates(s)</b> o-Terphenyl	90.4	64-127	%	01/30/2006 14:48	

**Diesel (C9-C24)**

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report										
Prep(s): 3511						Test(s): 8015M				
<b>Laboratory Control Spike</b>			<b>Water</b>			<b>QC Batch # 2006/01/28-03.10</b>				
LCS	2006/01/28-03.10-002		Extracted: 01/28/2006			Analyzed: 01/30/2006 13:47				
LCSD	2006/01/28-03.10-003		Extracted: 01/28/2006			Analyzed: 01/30/2006 14:17				
Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	577	480	714	80.8	67.2	18.4	60-150	25		
<b>Surrogates(s)</b> o-Terphenyl	1.33	1.10	1.25	106.3	87.7		64-127	0		

**Diesel (C9-C24)**

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Legend and Notes**

**Result Flag**

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

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Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-8-10.0`W	01/23/2006 09:00	Water	7
SB-8-40.0W	01/23/2006 12:30	Water	20

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-10.0`W</b>	Lab ID: 2006-01-0183 - 7
Sampled: 01/23/2006 09:00	Extracted: 2/4/2006 04:21
Matrix: Water	QC Batch#: 2006/02/03-2A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	2400	200	ug/L	4.00	02/04/2006 04:21	
Benzene	ND	2.0	ug/L	4.00	02/04/2006 04:21	
Toluene	ND	2.0	ug/L	4.00	02/04/2006 04:21	
Ethylbenzene	ND	2.0	ug/L	4.00	02/04/2006 04:21	
Total xylenes	ND	4.0	ug/L	4.00	02/04/2006 04:21	
tert-Butyl alcohol (TBA)	220	20	ug/L	4.00	02/04/2006 04:21	
Methyl tert-butyl ether (MTBE)	7.6	2.0	ug/L	4.00	02/04/2006 04:21	
Di-isopropyl Ether (DIPE)	ND	8.0	ug/L	4.00	02/04/2006 04:21	
Ethyl tert-butyl ether (ETBE)	ND	8.0	ug/L	4.00	02/04/2006 04:21	
tert-Amyl methyl ether (TAME)	ND	8.0	ug/L	4.00	02/04/2006 04:21	
1,2-DCA	ND	2.0	ug/L	4.00	02/04/2006 04:21	
EDB	ND	2.0	ug/L	4.00	02/04/2006 04:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.5	72-130	%	4.00	02/04/2006 04:21	
Toluene-d8	99.6	81-114	%	4.00	02/04/2006 04:21	



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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-40.0W</b>	Lab ID: 2006-01-0183 - 20
Sampled: 01/23/2006 12:30	Extracted: 2/4/2006 04:45
Matrix: Water	QC Batch#: 2006/02/03-2A.66
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	180	50	ug/L	1.00	02/04/2006 04:45	.
Benzene	0.52	0.50	ug/L	1.00	02/04/2006 04:45	
Toluene	ND	0.50	ug/L	1.00	02/04/2006 04:45	
Ethylbenzene	ND	0.50	ug/L	1.00	02/04/2006 04:45	
Total xylenes	ND	1.0	ug/L	1.00	02/04/2006 04:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/04/2006 04:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/04/2006 04:45	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	02/04/2006 04:45	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	02/04/2006 04:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	02/04/2006 04:45	
1,2-DCA	0.54	0.50	ug/L	1.00	02/04/2006 04:45	
EDB	ND	0.50	ug/L	1.00	02/04/2006 04:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	117.0	72-130	%	1.00	02/04/2006 04:45	
Toluene-d8	101.9	81-114	%	1.00	02/04/2006 04:45	

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

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2006/02/03-2A.66**

MB: 2006/02/03-2A.66-020

Date Extracted: 02/03/2006 20:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/03/2006 20:20	
Gasoline [Shell]	ND	50	ug/L	02/03/2006 20:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/03/2006 20:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/03/2006 20:20	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	02/03/2006 20:20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	02/03/2006 20:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	02/03/2006 20:20	
1,2-DCA	ND	0.5	ug/L	02/03/2006 20:20	
EDB	ND	0.5	ug/L	02/03/2006 20:20	
Benzene	ND	0.5	ug/L	02/03/2006 20:20	
Toluene	ND	0.5	ug/L	02/03/2006 20:20	
Ethylbenzene	ND	0.5	ug/L	02/03/2006 20:20	
Total xylenes	ND	1.0	ug/L	02/03/2006 20:20	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.2	72-130	%	02/03/2006 20:20	
Toluene-d8	98.0	81-114	%	02/03/2006 20:20	

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

Cambria Environmental Sonoma

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Project: 248-0318  
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Site: 630 High St., Oakland

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
<b>Laboratory Control Spike</b>				<b>Water</b>			<b>QC Batch # 2006/02/03-2A.66</b>			
LCS	2006/02/03-2A.66-056			Extracted: 02/03/2006			Analyzed: 02/03/2006 19:56			
LCSD										

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.2		25	100.8			65-165	20		
Benzene	25.5		25	102.0			69-129	20		
Toluene	26.3		25	105.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	496		500	99.2			72-130			
Toluene-d8	504		500	100.8			81-114			

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

Cambria Environmental Sonoma

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270 Perkins Street  
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Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2006/02/03-2A.66**

MS/MSD

Lab ID: 1998-09-0003 - 001

MS: 2006/02/03-2A.66-011

Extracted: 02/03/2006

Analyzed: 02/03/2006 21:11

Dilution: 10.00

MSD: 2006/02/03-2A.66-035

Extracted: 02/03/2006

Analyzed: 02/03/2006 21:35

Dilution: 10.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	60.4	117	ND	250	24.2	46.8	63.7	65-165	20	M5	M5,R1
Benzene	608	608	ND	250	243.2	243.2	0.0	69-129	20	M4	M4
Toluene	378	367	ND	250	151.2	146.8	3.0	70-130	20	M4	M4
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	454	456		500	90.8	91.2		72-130			
Toluene-d8	483	504		500	96.6	100.8		81-114			

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

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Project: 248-0318

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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Legend and Notes**

**Result Flag**

.

-

M4

MS/MSD spike recoveries were above acceptance limits.  
See blank spike (LCS).

M5

MS/MSD spike recoveries were below acceptance limits.  
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

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

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-5-5.0	01/23/2006 08:10	Soil	1
SB-5-10.0	01/23/2006 08:15	Soil	2
SB-5-15.0	01/23/2006 08:20	Soil	3
SB-5-20.0	01/23/2006 08:30	Soil	4
SB-5-30.0	01/23/2006 08:40	Soil	5
SB-5-40.0	01/23/2006 08:50	Soil	6
SB-9-5.0	01/23/2006 10:00	Soil	8
SB-9-10.0	01/23/2006 10:05	Soil	9
SB-9-15.0	01/23/2006 10:10	Soil	10
SB-9-20.0	01/23/2006 10:15	Soil	11
SB-9-30.0	01/23/2006 10:20	Soil	12
SB-9-40.0	01/23/2006 10:30	Soil	13
SB-8-5.0	01/23/2006 11:15	Soil	14
SB-8-10.0	01/23/2006 11:20	Soil	15
SB-8-15.0	01/23/2006 11:25	Soil	16
SB-8-20.0	01/23/2006 11:30	Soil	17
SB-8-30.0	01/23/2006 11:40	Soil	18
SB-8-40.0	01/23/2006 11:50	Soil	19

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

Cambria Environmental Sonoma

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270 Perkins Street  
 Sonoma, CA 95476  
 Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
 98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-5-5.0</b>	Lab ID:	2006-01-0183 - 1
Sampled:	01/23/2006 08:10	Extracted:	2/3/2006 16:09
Matrix:	Soil	QC Batch#:	2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 16:09	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 16:09	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 16:09	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 16:09	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	72-124	%	1.00	02/03/2006 16:09	
Toluene-d8	92.0	72-116	%	1.00	02/03/2006 16:09	

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

Cambria Environmental Sonoma

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-10.0</b>	Lab ID: 2006-01-0183 - 2
Sampled: 01/23/2006 08:15	Extracted: 2/3/2006 16:30
Matrix: Soil	QC Batch#: 2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 16:30	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 16:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 16:30	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 16:30	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.5	72-124	%	1.00	02/03/2006 16:30	
Toluene-d8	92.5	72-116	%	1.00	02/03/2006 16:30	



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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-15.0</b>	Lab ID: 2006-01-0183 - 3
Sampled: 01/23/2006 08:20	Extracted: 2/3/2006 16:52
Matrix: Soil	QC Batch#: 2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 16:52	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 16:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 16:52	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 16:52	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.9	72-124	%	1.00	02/03/2006 16:52	
Toluene-d8	91.2	72-116	%	1.00	02/03/2006 16:52	

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

Cambria Environmental Sonoma

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Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-20.0</b>	Lab ID: 2006-01-0183 - 4
Sampled: 01/23/2006 08:30	Extracted: 2/3/2006 17:14
Matrix: Soil	QC Batch#: 2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 17:14	.
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 17:14	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 17:14	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 17:14	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.1	72-124	%	1.00	02/03/2006 17:14	
Toluene-d8	90.9	72-116	%	1.00	02/03/2006 17:14	

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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-30.0</b>	Lab ID: 2006-01-0183 - 5
Sampled: 01/23/2006 08:40	Extracted: 2/3/2006 17:35
Matrix: Soil	QC Batch#: 2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 17:35	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 17:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 17:35	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 17:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	72-124	%	1.00	02/03/2006 17:35	
Toluene-d8	92.4	72-116	%	1.00	02/03/2006 17:35	

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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-5-40.0</b>	Lab ID: 2006-01-0183 - 6
Sampled: 01/23/2006 08:50	Extracted: 2/3/2006 17:57
Matrix: Soil	QC Batch#: 2006/02/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/03/2006 17:57	
Benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
Toluene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/03/2006 17:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/03/2006 17:57	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
EDB	ND	0.0050	mg/Kg	1.00	02/03/2006 17:57	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.9	72-124	%	1.00	02/03/2006 17:57	
Toluene-d8	90.1	72-116	%	1.00	02/03/2006 17:57	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-5.0</b>	Lab ID: 2006-01-0183 - 8
Sampled: 01/23/2006 10:00	Extracted: 2/6/2006 18:59
Matrix: Soil	QC Batch#: 2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 18:59	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/06/2006 18:59	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/06/2006 18:59	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 18:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.7	72-124	%	1.00	02/06/2006 18:59	
Toluene-d8	92.8	72-116	%	1.00	02/06/2006 18:59	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-10.0</b>	Lab ID: 2006-01-0183 - 9
Sampled: 01/23/2006 10:05	Extracted: 2/4/2006 03:07
Matrix: Soil	QC Batch#: 2006/02/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/04/2006 03:07	
Benzene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
Toluene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/04/2006 03:07	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/04/2006 03:07	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
EDB	ND	0.0050	mg/Kg	1.00	02/04/2006 03:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	72-124	%	1.00	02/04/2006 03:07	
Toluene-d8	90.4	72-116	%	1.00	02/04/2006 03:07	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-15.0</b>	Lab ID: 2006-01-0183 - 10
Sampled: 01/23/2006 10:10	Extracted: 2/4/2006 03:33
Matrix: Soil	QC Batch#: 2006/02/03-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/04/2006 03:33	
Benzene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
Toluene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/04/2006 03:33	
Methyl tert-butyl ether (MTBE)	0.020	0.0050	mg/Kg	1.00	02/04/2006 03:33	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/04/2006 03:33	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
EDB	ND	0.0050	mg/Kg	1.00	02/04/2006 03:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.4	72-124	%	1.00	02/04/2006 03:33	
Toluene-d8	83.6	72-116	%	1.00	02/04/2006 03:33	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-20.0</b>	Lab ID: 2006-01-0183 - 11
Sampled: 01/23/2006 10:15	Extracted: 2/5/2006 03:59
Matrix: Soil	QC Batch#: 2006/02/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/05/2006 03:59	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/05/2006 03:59	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/05/2006 03:59	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
EDB	ND	0.0050	mg/Kg	1.00	02/05/2006 03:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.7	72-124	%	1.00	02/05/2006 03:59	
Toluene-d8	90.6	72-116	%	1.00	02/05/2006 03:59	



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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-30.0</b>	Lab ID: 2006-01-0183 - 12
Sampled: 01/23/2006 10:20	Extracted: 2/5/2006 02:54
Matrix: Soil	QC Batch#: 2006/02/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/05/2006 02:54	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/05/2006 02:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/05/2006 02:54	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
EDB	ND	0.0050	mg/Kg	1.00	02/05/2006 02:54	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.6	72-124	%	1.00	02/05/2006 02:54	
Toluene-d8	89.7	72-116	%	1.00	02/05/2006 02:54	

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

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Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-9-40.0</b>	Lab ID: 2006-01-0183 - 13
Sampled: 01/23/2006 10:30	Extracted: 2/5/2006 02:32
Matrix: Soil	QC Batch#: 2006/02/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/05/2006 02:32	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/05/2006 02:32	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/05/2006 02:32	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
EDB	ND	0.0050	mg/Kg	1.00	02/05/2006 02:32	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.5	72-124	%	1.00	02/05/2006 02:32	
Toluene-d8	90.1	72-116	%	1.00	02/05/2006 02:32	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-5.0</b>	Lab ID: 2006-01-0183 - 14
Sampled: 01/23/2006 11:15	Extracted: 2/6/2006 16:49
Matrix: Soil	QC Batch#: 2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 16:49	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
tert-Butyl alcohol (TBA)	0.030	0.010	mg/Kg	1.00	02/06/2006 16:49	
Methyl tert-butyl ether (MTBE)	0.018	0.0050	mg/Kg	1.00	02/06/2006 16:49	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/06/2006 16:49	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 16:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.1	72-124	%	1.00	02/06/2006 16:49	
Toluene-d8	90.8	72-116	%	1.00	02/06/2006 16:49	

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

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270 Perkins Street  
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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-10.0</b>	Lab ID: 2006-01-0183 - 15
Sampled: 01/23/2006 11:20	Extracted: 2/5/2006 04:20
Matrix: Soil	QC Batch#: 2006/02/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/05/2006 04:20	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/05/2006 04:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/05/2006 04:20	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
EDB	ND	0.0050	mg/Kg	1.00	02/05/2006 04:20	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	72-124	%	1.00	02/05/2006 04:20	
Toluene-d8	92.1	72-116	%	1.00	02/05/2006 04:20	

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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-15.0</b>	Lab ID: 2006-01-0183 - 16
Sampled: 01/23/2006 11:25	Extracted: 2/6/2006 17:15
Matrix: Soil	QC Batch#: 2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 17:15	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
tert-Butyl alcohol (TBA)	0.41	0.010	mg/Kg	1.00	02/06/2006 17:15	
Methyl tert-butyl ether (MTBE)	0.26	0.0050	mg/Kg	1.00	02/06/2006 17:15	
Di-isopropyl Ether (DIPE)	0.032	0.010	mg/Kg	1.00	02/06/2006 17:15	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 17:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.6	72-124	%	1.00	02/06/2006 17:15	
Toluene-d8	91.9	72-116	%	1.00	02/06/2006 17:15	

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

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Project: 248-0318  
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Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-8-20.0</b>	Lab ID:	2006-01-0183 - 17
Sampled:	01/23/2006 11:30	Extracted:	2/6/2006 17:41
Matrix:	Soil	QC Batch#:	2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 17:41	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/06/2006 17:41	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/06/2006 17:41	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 17:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	113.3	72-124	%	1.00	02/06/2006 17:41	
Toluene-d8	94.4	72-116	%	1.00	02/06/2006 17:41	

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

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-30.0</b>	Lab ID: 2006-01-0183 - 18
Sampled: 01/23/2006 11:40	Extracted: 2/6/2006 18:07
Matrix: Soil	QC Batch#: 2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 18:07	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/06/2006 18:07	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/06/2006 18:07	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 18:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.9	72-124	%	1.00	02/06/2006 18:07	
Toluene-d8	94.8	72-116	%	1.00	02/06/2006 18:07	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-8-40.0</b>	Lab ID: 2006-01-0183 - 19
Sampled: 01/23/2006 11:50	Extracted: 2/6/2006 18:33
Matrix: Soil	QC Batch#: 2006/02/06-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	02/06/2006 18:33	
Benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
Toluene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	02/06/2006 18:33	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	02/06/2006 18:33	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
1,2-DCA	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
EDB	ND	0.0050	mg/Kg	1.00	02/06/2006 18:33	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.9	72-124	%	1.00	02/06/2006 18:33	
Toluene-d8	92.1	72-116	%	1.00	02/06/2006 18:33	



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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/02/03-1A.64**

MB: 2006/02/03-1A.64-049

Date Extracted: 02/03/2006 09:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/03/2006 09:49	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/03/2006 09:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/03/2006 09:49	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/03/2006 09:49	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	02/03/2006 09:49	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	02/03/2006 09:49	
1,2-DCA	ND	0.0050	mg/Kg	02/03/2006 09:49	
EDB	ND	0.0050	mg/Kg	02/03/2006 09:49	
Benzene	ND	0.0050	mg/Kg	02/03/2006 09:49	
Toluene	ND	0.0050	mg/Kg	02/03/2006 09:49	
Ethyl benzene	ND	0.0050	mg/Kg	02/03/2006 09:49	
Total xylenes	ND	0.0050	mg/Kg	02/03/2006 09:49	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	92.2	72-124	%	02/03/2006 09:49	
Toluene-d8	93.0	72-116	%	02/03/2006 09:49	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/02/03-2A.62**

MB: 2006/02/03-2A.62-059

Date Extracted: 02/03/2006 20:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/03/2006 20:51	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/03/2006 20:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/03/2006 20:51	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/03/2006 20:51	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	02/03/2006 20:51	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	02/03/2006 20:51	
1,2-DCA	ND	0.0050	mg/Kg	02/03/2006 20:51	
EDB	ND	0.0050	mg/Kg	02/03/2006 20:51	
Benzene	ND	0.0050	mg/Kg	02/03/2006 20:51	
Toluene	ND	0.0050	mg/Kg	02/03/2006 20:51	
Ethyl benzene	ND	0.0050	mg/Kg	02/03/2006 20:51	
Total xylenes	ND	0.0050	mg/Kg	02/03/2006 20:51	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.1	72-124	%	02/03/2006 20:51	
Toluene-d8	93.3	72-116	%	02/03/2006 20:51	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/02/04-2A.64**

MB: 2006/02/04-2A.64-006

Date Extracted: 02/05/2006 01:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/05/2006 01:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/05/2006 01:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/05/2006 01:06	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/05/2006 01:06	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	02/05/2006 01:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	02/05/2006 01:06	
1,2-DCA	ND	0.0050	mg/Kg	02/05/2006 01:06	
EDB	ND	0.0050	mg/Kg	02/05/2006 01:06	
Benzene	ND	0.0050	mg/Kg	02/05/2006 01:06	
Toluene	ND	0.0050	mg/Kg	02/05/2006 01:06	
Ethyl benzene	ND	0.0050	mg/Kg	02/05/2006 01:06	
Total xylenes	ND	0.0050	mg/Kg	02/05/2006 01:06	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.6	72-124	%	02/05/2006 01:06	
Toluene-d8	90.4	72-116	%	02/05/2006 01:06	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2006/02/06-1A.62**

MB: 2006/02/06-1A.62-026

Date Extracted: 02/06/2006 11:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	02/06/2006 11:26	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	02/06/2006 11:26	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	02/06/2006 11:26	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	02/06/2006 11:26	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	02/06/2006 11:26	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	02/06/2006 11:26	
1,2-DCA	ND	0.0050	mg/Kg	02/06/2006 11:26	
EDB	ND	0.0050	mg/Kg	02/06/2006 11:26	
Benzene	ND	0.0050	mg/Kg	02/06/2006 11:26	
Toluene	ND	0.0050	mg/Kg	02/06/2006 11:26	
Ethyl benzene	ND	0.0050	mg/Kg	02/06/2006 11:26	
Total xylenes	ND	0.0050	mg/Kg	02/06/2006 11:26	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.4	72-124	%	02/06/2006 11:26	
Toluene-d8	90.2	72-116	%	02/06/2006 11:26	

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318

98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2006/02/03-1A.64**

LCS 2006/02/03-1A.64-006

Extracted: 02/03/2006

Analyzed: 02/03/2006 09:06

LCSD 2006/02/03-1A.64-028

Extracted: 02/03/2006

Analyzed: 02/03/2006 09:28

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0547	0.0551	0.05	109.4	110.4	0.9	65-165	20		
Benzene	0.0502	0.0534	0.05	100.4	107.0	6.4	69-129	20		
Toluene	0.0572	0.0572	0.05	114.4	114.6	0.2	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	451	443	500	90.2	88.6		72-124			
Toluene-d8	453	470	500	90.6	94.0		72-116			

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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report									
Prep(s): 5030B						Test(s): 8260B			
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2006/02/03-2A.62</b>			
LCS	2006/02/03-2A.62-020		Extracted: 02/03/2006			Analyzed: 02/03/2006 20:25			
LCSD									

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0547		0.05	109.4			65-165	20		
Benzene	0.0545		0.05	109.0			69-129	20		
Toluene	0.0564		0.05	112.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	442		500	88.4			72-124			
Toluene-d8	466		500	93.2			72-116			

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

Cambria Environmental Sonoma

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270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>		<b>Soil</b>	<b>QC Batch # 2006/02/04-2A.64</b>
LCS	2006/02/04-2A.64-023	Extracted: 02/05/2006	Analyzed: 02/05/2006 00:23
LCSD	2006/02/04-2A.64-044	Extracted: 02/05/2006	Analyzed: 02/05/2006 00:44

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0593	0.0590	0.05	118.6	118.0	0.5	65-165	20		
Benzene	0.0507	0.0524	0.05	101.4	104.8	3.3	69-129	20		
Toluene	0.0556	0.0587	0.05	111.2	117.4	5.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	485	463	500	97.0	92.6		72-124			
Toluene-d8	458	457	500	91.6	91.4		72-116			

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

Cambria Environmental Sonoma

Attn.: Dennis Baertschi

270 Perkins Street  
Sonoma, CA 95476  
Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
<b>Laboratory Control Spike</b>		<b>Soil</b>	<b>QC Batch # 2006/02/06-1A.62</b>
LCS	2006/02/06-1A.62-033	Extracted: 02/06/2006	Analyzed: 02/06/2006 10:33
LCSD	2006/02/06-1A.62-059	Extracted: 02/06/2006	Analyzed: 02/06/2006 10:59

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0492	0.0519	0.05	98.4	103.8	5.3	65-165	20		
Benzene	0.0503	0.0510	0.05	100.6	102.0	1.4	69-129	20		
Toluene	0.0495	0.0519	0.05	99.0	103.8	4.7	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	445	452	500	89.0	90.4		72-124			
Toluene-d8	484	470	500	96.8	94.0		72-116			



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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2006/02/03-2A.62</b>			
MS/MSD						Lab ID: 2006-01-0195 - 021					
MS: 2006/02/03-2A.62-025			Extracted: 02/03/2006			Analyzed: 02/03/2006 21:25			Dilution: 1.00		
MSD: 2006/02/03-2A.62-051			Extracted: 02/03/2006			Analyzed: 02/03/2006 21:51			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0529	0.0503	ND	0.049019	108.0	103.0	4.7	65-165	20		
Benzene	0.0550	0.0518	ND	0.049019	112.2	106.1	5.6	69-129	20		
Toluene	0.0552	0.0508	ND	0.049019	112.7	104.0	8.0	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	464	492		500	92.7	98.4		72-124			
Toluene-d8	462	482		500	92.3	96.4		72-116			

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

Cambria Environmental Sonoma

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Phone: (707) 268-3813 Fax: (707) 935-6649

Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report			
Prep(s): 5030B	Test(s): 8260B		
<b>Matrix Spike ( MS / MSD )</b>	<b>Soil</b>	<b>QC Batch # 2006/02/04-2A.64</b>	
SB-9-20.0 >> MS		Lab ID:	2006-01-0183 - 011
MS: 2006/02/04-2A.64-016	Extracted: 02/05/2006	Analyzed:	02/05/2006 03:16
		Dilution:	1.00
MSD: 2006/02/04-2A.64-037	Extracted: 02/05/2006	Analyzed:	02/05/2006 03:37
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0559	0.0576	ND	0.048923	114.3	115.2	0.8	65-165	20		
Benzene	0.0493	0.0518	ND	0.048923	100.8	103.6	2.7	69-129	20		
Toluene	0.0531	0.0549	ND	0.048923	108.6	109.8	1.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	460	478		500	92.0	95.6		72-124			
Toluene-d8	453	460		500	90.6	92.0		72-116			

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

Cambria Environmental Sonoma

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Project: 248-0318  
98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

Batch QC Report											
Prep(s): 5030B						Test(s): 8260B					
<b>Matrix Spike ( MS / MSD )</b>				<b>Soil</b>				<b>QC Batch # 2006/02/06-1A.62</b>			
MS/MSD						Lab ID: 2006-01-0195 - 032					
MS: 2006/02/06-1A.62-019			Extracted: 02/06/2006			Analyzed: 02/06/2006 13:19			Dilution: 1.00		
MSD: 2006/02/06-1A.62-045			Extracted: 02/06/2006			Analyzed: 02/06/2006 13:45			Dilution: 1.00		

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0516	0.0507	0.00678	0.049900	89.8	90.8	1.1	65-165	20		
Benzene	0.0491	0.0490	ND	0.049900	98.4	101.3	2.9	69-129	20		
Toluene	0.0492	0.0500	ND	0.049900	98.6	103.4	4.8	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	454	474		500	90.8	94.8		72-124			
Toluene-d8	457	461		500	91.4	92.2		72-116			

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

Cambria Environmental Sonoma

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Project: 248-0318

98995751

Received: 01/24/2006 11:15

Site: 630 High St., Oakland

**Legend and Notes**

**Result Flag**

.

-

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (location) \_\_\_\_\_

Shell Project Manager to be invoiced:

ENVIRONMENTAL SERVICES    **Denis Brown**  
**2006-01-0183**

TECHNICAL SERVICES

CRMT HOUSTON     NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY)

9	8	9	9	5	7	5	1
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SAP or CRMT NUMBER (TS/CRMT)

DATE: 1/23/06

PAGE: 1 of 2

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>	LOG CODE: <b>CETS</b>	SITE ADDRESS: Street and City <b>630 High St, Oakland</b>	State <b>CA</b>	GLOBAL ID NO.: <b>T0600101273</b>
ADDRESS: <b>270 Perkins Street, Sonoma, CA 95476</b>	EDF DELIVERABLE TO (Responsible Party or Designee): <b>Susan Lukaszewicz</b>	PHONE NO.: <b>707-933-2376</b>	E-MAIL: <b>sonomaedf@cambria-env.com</b>	CONSULTANT PROJECT NO.: <b>248-0318</b>
PROJECT CONTACT (Hardcopy or PDF Report to): <b>Dennis Baertschi</b>	TELEPHONE: <b>(707) 268-3813</b>	FAX: <b>707-935-6649</b>	E-MAIL: <b>dbaertschi@cambria-env.com</b>	LAB USE ONLY
SAMPLER NAME(S) (Print): Kevin Taylor				

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):

STD     5 DAY     3 DAY     2 DAY     24 HOURS    ON WEEKEND

RESULTS NEEDED

LA - RWQCB REPORT FORMAT     UST AGENCY: \_\_\_\_\_

GC/MS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	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	LUFT5 <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  
20

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRX	NO. OF CONT.
		DATE	TIME		
1	SB-5-5.0	1/23	8:10	SO	1
2	SB-5-10.0		8:15		
3	SB-5-15.0		8:20		
4	SB-5-20.0		8:30		
5	SB-5-30.0		8:40		
6	SB-5-40.0		8:50		
7	SB-8-10.0'W		9:00	H2O	6
8	SB-9-5.0		10:00	SO	1
9	SB-9-10.0		10:05		
10	SB-9-15.0		10:10		

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Cambria Sonoma (secure location)</i>	Date: 1/23/06	Time:
Relinquished by: (Signature) <i>Cambria Sonoma</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/24/06	Time: 1115
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/24/06	Time: 1540

Lab Identification (if necessary):

- TA - Irvine, California
- TA - Morgan Hill, California
- TA - Nashville, Tennessee
- STL
- Other (location) \_\_\_\_\_

**Shell Project Manager to be invoiced:**

ENVIRONMENTAL SERVICES: **Denis Brown**

TECHNICAL SERVICES:

CRMT HOUSTON

NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

2006-01-0183

**INCIDENT NUMBER (ES ONLY)**

9 8 9 9 5 7 5 1

**SAP or CRMT NUMBER (TS/CRMT)**

DATE: 1/23/06

PAGE: 2 of 2

**SAMPLING COMPANY:** Cambria Environmental Technology, Inc. **LOG CODE:** CETS

**STATE:** CA **GLOBAL ID NO.:** T0600101273

**ADDRESS:** 270 Perkins Street, Sonoma, CA 95476

**EDF DELIVERABLE TO (Responsible Party or Designee):** Susan Lukaszewicz **PHONE NO.:** 707-933-2376 **E-MAIL:** sonomaedf@cambria-env.com **CONSULTANT PROJECT NO.:** 248-0318

**PROJECT CONTACT (Hardcopy or PDF Report to):** Dennis Baertschi

**TELEPHONE:** (707) 268-3813 **FAX:** 707-935-6649 **E-MAIL:** dbaertschi@cambria-env.com

**SAMPLER NAME(S) (Print):** Kevin Taylor **LAB USE ONLY:**

**TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):**

STD  5 DAY  3 DAY  2 DAY  24 HOURS  RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT  UST AGENCY: \_\_\_\_\_

**GC/MS MTBE CONFIRMATION:** HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

**REQUESTED ANALYSIS**

TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	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	LUFT5 <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)
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**FIELD NOTES:**

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° 23

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	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	LUFT5 <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)	
		DATE	TIME																						
11	SB-9-20.0	1/23	10:15	SO	1	X	X	X	X						X	X									
12	SB-9-30.0	↓	10:20	↓	↓																				
13	SB-9-40.0	↓	10:30	↓	↓																				
14	SB-8-5.0	1/23	11:15	SO	1																				
15	SB-8-10.0	↓	11:20	↓	↓																				
16	SB-8-15.0	↓	11:25	↓	↓																				
17	SB-8-20.0	↓	11:30	↓	↓																				
18	SB-8-30.0	↓	11:40	↓	↓																				
19	SB-8-40.0	↓	11:50	↓	↓																				
20	SB-8-40.0W	1/23	12:30	H <sub>2</sub> O	6																				

Relinquished by: (Signature) <i>Cambria Sonoma</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/24/06	Time: 1115
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 1/24/06	Time: 1540
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time: