

R02745 ✓



**Shell Oil Products US**

? vertical extent  
of plume (MTBE)

February 18, 2005

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

ALAMEDA COUNTY  
FEB 23 2005  
ENVIRONMENTAL SERVICES DIVISION

**Subject: Shell-branded Service Station**  
1601 Webster Street  
Alameda, California

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Soil and Groundwater Investigation Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

**Shell Oil Products US**

*Karen Petryna*

Karen Petryna  
Sr. Environmental Engineer

February 18, 2005

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

Re: **Soil and Groundwater Investigation Report**  
Shell-branded Service Station  
1601 Webster Street  
Alameda, California  
Incident # 97564701  
Cambria Project # 247-0467-007  
ACHCSA # 13-503



RECEIVED  
FEB 23 2005  
ALAMEDA COUNTY

Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Soil and Groundwater Investigation Report* on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The current investigation was conducted in accordance with our November 30, 2004 *Soil and Groundwater Investigation Work Plan and Agency Response*, and in response to the October 28, 2004 Alameda County Health Care Services Agency (ACHCSA) letter to Shell. The investigation's objectives were to investigate soil and groundwater conditions following the unauthorized release of gasoline hydrocarbons to the subsurface at the referenced site discovered on August 19, 2004. Presented below are a site background, site history, investigation procedures and results, status of initial remediation activities, conclusions, and recommendations.

## SITE BACKGROUND

**Site Location:** The site is located at the northwest corner of Webster Street and Lincoln Avenue in Alameda, California (Figure 1).

**Local Topography:** Local topography is flat, and the site's elevation is approximately 13 feet above mean sea level.

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

**Local Geology:** Boring logs from previous investigations at the site and the adjacent former 76 service station site indicate that the site is underlain by sand and silty sands to 21.5 feet below grade (fbg). Prior reports identified the sediments as the Merritt Sand, an unconsolidated

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Pleistocene beach and near shore deposit. During the current investigation, poorly graded sand to silty sand in the shallow soil and shallow water-bearing zones were consistently observed to the maximum depth of 15 fbg.

**Groundwater:** The historical depth to groundwater ranged from approximately 4.5 to 10.5 fbg. During August 2004 upgrade activities and emergency response actions, the depth to water in the tank backfill wells was measured at approximately 6 fbg before pumping. During the current investigation, groundwater was consistently encountered during sampling activities in all on-site soil borings between 6 to 7 fbg. Based on previous groundwater monitoring data at the site and other nearby sites, groundwater consistently flows in a north to northeastern direction.



### **Previous Investigations**

**1987 Waste Oil Tank Removal:** In June 1987, a 550-gallon underground waste oil tank originally installed in 1962 was removed from the site. Blaine Tech Services (Blaine) of San Jose, California reported that the tank contained more than 77 holes, that black, oily liquid leaked from the holes, and that free oil sheen was observed on the water in the excavation. Soil sample #1 from 9.5 fbg in the excavation contained 133 parts per million (ppm) total oil and grease (TOG), 14 ppm unspecified total petroleum hydrocarbons (TPH), and 29 ppm 1,1,1-trichloroethane (TCA). A grab water sample (identified as #2) collected from below the water surface at about 12.5 fbg contained 244,000 parts per billion (ppb) TOG, 132,000 ppb unspecified TPH, 10,550 ppb TCA, and 59,000 ppb methylene chloride. These results were reported in Blaine's July 16, 1987 *Field Sampling at Shell Station* letter report and Blaine's June 26, 1989 letter report summarizing previously unpublished notes. Historical soil data is summarized in Table 1, and historical groundwater sample data is summarized in Table 2.

**1987 Well S-1 Installation:** In September 1987, Pacific Environmental Group (PEG) of Santa Clara, California drilled one soil boring and converted it into groundwater monitoring well S-1 immediately down gradient of the former waste oil tank (Figures 2 and 3) to assess whether hydrocarbons detected during the excavation were present in groundwater. TOG was detected in all three soil samples collected at depths between 3.5 and 15.5 fbg at a maximum concentration of 130 ppm in the sample collected between 3.5 and 5 fbg. "High-boiling hydrocarbons" were detected at a concentration of 50 ppm in the sample collected between 3.5 and 5 fbg. No halogenated volatile organic compounds (HVOCs) were detected in soil or groundwater. Groundwater from well S-1 was sampled after well installation and analyzed for volatile compounds on US EPA's hazardous substances list by EPA Method 624. Only acetone was detected at a concentration of 120 ppb. These results were reported in PEG's October 23, 1987 letter report (Tables 1 and 2).

**1989 Monitoring Well Sampling:** In September 1989, Weiss Associates (WA) of Emeryville, California sampled well S-1. No hydrocarbons, polychlorinated biphenyls, volatile organic compounds, or semi-volatile organic compounds were detected in the water sample. These results were originally reported in an October 13, 1989 letter prepared for Shell, and were also reported in WA's March 19, 1990 report proposing a scope of work for subsurface investigation (Table 2).

**1990 Well MW-1 and MW-2 Installation:** In April 1990, WA advanced borings BH-A and BH-B, and converted them to monitoring wells MW-1 and MW-2, respectively (Figure 2). In soil, total petroleum hydrocarbons as gasoline (TPHg) was detected at a maximum concentration of 32 ppm in the boring for well MW-2 (BH-B), with the highest concentration detected at 15.2 fbg, below the water table. Maximum soil concentrations of benzene, toluene, ethylbenzene, and/or xylenes (BTEX) were 0.53, 3.8, 0.75, and 4.0 ppm, and were detected in the MW-2 soil sample from 10.2 fbg. No TOG or HVOCs were detected in soil from either boring. After well installation, all site monitoring wells were sampled. In groundwater, the maximum TPHg concentration of 580 ppb and maximum benzene concentration of 20 ppb were present in MW-2. These results were reported in WA's July 6, 1990 *Subsurface Investigation at Shell Service Station* report (Tables 1 and 2).

**1992-1993 Subsurface Investigation:** On October 12 and 22, 1992 and February 19, 1993, WA installed eight soil borings (BH-C through BH-J) with total depths ranging from 12.5 to 21.5 fbg. Boring BH-J was converted into monitoring well MW-3. TPHg was detected in soil at a maximum concentration of 170 ppm from 10.5 fbg in boring BH-E. Benzene was detected in soil at a maximum concentration of 0.11 ppm from boring BH-E at 13.5 fbg (Table 1). Grab groundwater samples from borings BH-C through BH-I resulted in maximum TPHg concentrations of 26,000 ppb from borings BH-E and BH-H, and a maximum benzene concentration of 6,900 ppb in boring BH-E (Table 2). After MW-3 well installation, MW-3 was sampled and contained TPHg at a concentration of 58 ppb. The MW-3 benzene concentration was below reporting limits. These results were reported in WA's April 16, 1993 *Subsurface Investigation Report*.

**1997 Pipeline and Dispenser Upgrades:** During fuel system upgrades on August 27, 1997, Cambria sampled soil under the product piping and below dispensers at approximately 5 fbg (Figure 2). The highest TPHg and benzene concentrations of 11,000 ppm and 6.3 ppm, respectively, were found in sample D-2 at a depth of 5 fbg. Due to field indications of hydrocarbon impacts to soil, an additional soil sample was collected from 10 fbg at sample location D-2. At 10 fbg, D-2 TPHg soil concentrations decreased to 760 ppm. No methyl tertiary butyl ether (MTBE) was reported by EPA Method 8020 in the samples. Cambria's October 8, 1997 *Pipeline and Dispenser Soil Sampling Report* presented the results (Table 1).

**1998 Waste Oil Remote Fill Pipe Removal:** Paradiso Mechanical Inc., of San Leandro, California upgraded the site's waste oil system and removed the remote fill pipe associated with the waste oil tank. Prior to the upgrade, Cambria confirmed with ACHCSA regulator Rob Weston that no samples would be required as the pipeline was tested overnight and pressurized at above 20 pounds per square inch. Cambria's December 1, 1998 *1998 Upgrade Site Inspection Report* presented the findings.

**1987 to 1998 Groundwater Monitoring:** Groundwater was monitored and sampled generally quarterly prior to the 1999 destruction of the on-site monitoring wells and subsequent case closure. Following initial sampling of well S-1 in September 1987, groundwater was monitored consistently between September 1989 and April 1998. During that time, the groundwater gradient near the underground storage tanks (USTs) was predominately northeasterly, ranging between north-northwest and northeast. Depth to water has ranged between approximately 4.5 and 10.5 fbg at the site. Prior groundwater monitoring data summary tables were included in Cambria's November 30, 2004 *Soil and Groundwater Investigation Work Plan and Agency Response*.

**1995 to 1996 Groundwater Remediation:** From March 2, 1995 until March 18, 1996, groundwater remediation by oxygenation was implemented by using an air compressor to inject air into MW-2.

**1999 Monitoring Well Abandonment and Case Closure:** On January 15, 1999, Cambria oversaw the destruction of all four on-site monitoring wells (S-1 and MW-1 though MW-3) to facilitate case closure with the ACHCSA. Cambria's February 26, 1999 *Monitoring Well Abandonment Report* documented the work. ACHCSA's March 15, 1999 *Remedial Action Completion Certification and Fuel Leak Site Case Closure* letters confirmed completion of site investigation and remedial action and granted UST case closure for the site. The case closure letter also documented that up to 100 ppm TPHg and 0.026 ppm benzene existed in soil, and up to 3,800 ppb TPHg and 190 ppb benzene existed in groundwater.

**March 2004 Well Survey:** At Shell's request, Cambria performed a search of California Department of Water Resources (DWR) records for water producing wells within 1/2 mile of the site. Monitor, cathodic, test, abandoned or destroyed wells were not researched. No public water supply (PWS) wells were identified from DWR records or from the Geotracker database. Records of seven non-PWS wells were found; their approximate locations are shown on Figure 1. The well survey results are presented in Cambria's November 30, 2004 *Soil and Groundwater Investigation Work Plan and Agency Response*.

**August 2004 Fuel System Upgrades:** S.J. Weaver Contracting, Inc., (S.J. Weaver) of Signal Hill, California upgraded the station's fuel dispensers, piping, and vapor recovery system during


August 2004. Due to the high water table, groundwater from the UST excavation was periodically pumped into a storage tank and transported as non-hazardous waste to Shell's Martinez refinery for recycling. Cambria collected soil samples beneath removed dispensers and piping on August 10, 2004. No benzene or MTBE was detected in any soil samples collected during these activities. TPHg was detected in one soil sample (P-3-3') and xylenes were detected in two soil samples (P-3-3' and P-5-3') from beneath fuel piping (Table 1). The highest detected hydrocarbon concentrations were located near the northwest corner of the kiosk building at sample location P-3-3'. Due to the reported presence of TPHg and xylenes in soil, Shell filed an August 11, 2004 Unauthorized Release Report Form with ACHCSA.



Following re-installation of the fuel pump into one 10,000-gallon UST containing unleaded gasoline, S.J. Weaver identified a product loss in the UST by manual tank gauging. S.J. Weaver personnel pumped water from the tank excavation into an open-top storage tank on site. As fuel had leaked out of the damaged UST, the pumped water contained free product. The resulting gasoline vapor concentrations warranted site evacuation, cessation of work, and emergency response. As a result, Shell's contractors conducted emergency response and remediation beginning on August 19, 2004. On August 19, 2004, the remaining fuel in the damaged UST was removed by a tanker truck, and groundwater pumping from one of the tank backfill wells was initiated. Cambria oversaw emergency response efforts including groundwater extraction from tank backfill well TBW-N to recover product lost during the release. According to Shell, at the time of the release and thereafter, the fuel delivered and dispensed at the site did not and does not contain MTBE or other oxygenate additives. The product loss, emergency response activities, and emergency remediation efforts are detailed in the agency response section of Cambria's November 30, 2004 *Soil and Groundwater Investigation Work Plan and Agency Response*. As a result of the product loss, Shell filed an additional Unauthorized Release Report Form dated August 19, 2004 with ACHCSA. Additionally, the Alameda Fire Department filed a report with the California Governor's Office of Emergency Services. ACHCSA opened a new environmental case on September 3, 2004.

**November 2004 Sensitive Receptor and Utility Survey:** Cambria conducted sensitive receptor and utility surveys to evaluate the potential migration of hydrocarbons in groundwater via preferential pathways to off-site receptors. The sensitive receptor survey (SRS) targeted the following as potential sensitive receptors: basements within 200 feet, surface water and sensitive habitats within 500 feet, hospitals, educational, residential care and childcare facilities within 1,000 feet, and water producing wells within ½ mile. Figure 1 shows the SRS target radii. Two possible partial basements were observed visually at residences at 628 Lincoln Avenue (across Lincoln Avenue, southwest of the site) and 632 Pacific Avenue (northwest of the site) at approximately 200 feet from the site. Cambria believes that the basements may not be finished for living space, but rather may be used for storage or utility space. The basements' existence

was not confirmed by contacting the residents. No surface waters or sensitive habitats were observed within 500 feet. No hospitals, schools or childcare facilities were observed within 1,000 feet. However, one residential nursing home (Elders Inn) is present at 1721 Webster Street, approximately 350 feet north-northeast of the site.



The prior well survey showed that local groundwater is not used as a drinking water source. Groundwater is, at most, used only minimally for domestic irrigation in the area. No known industrial, commercial, agricultural, or public water supply wells are known to exist in the downgradient area near the site. Cambria believes monitor, cathodic protection, abandoned, and destroyed wells in the area pose no threat to groundwater quality as potential conduits for contaminant migration, and because they are not used for drinking or irrigation, are unlikely to be routes of exposure to groundwater contaminants. Thus, Cambria believes no further investigation of these types of wells is warranted. The nearest identified well was located by address to be approximately 150 feet south of the site. The DWR well record was undated and did not record the well's intended use. Cambria's site inspection indicated that the address is currently occupied by a café, and the visit did not indicate the presence of a well; therefore the well is presumed to be abandoned. The next closest wells, irrigation wells installed in 1977, are estimated to be approximately 525 and 800 feet from the site, and drilled to 25 and 32 fbg, respectively. Since groundwater is known to flow northward, these wells are cross-gradient of the site, and are therefore unlikely to be affected by impacted groundwater from the site. All other identified wells are located well to the south of the site, upgradient of the site, and therefore are also unlikely to be affected by impacted groundwater from the site.


Cambria obtained utility maps for the area surrounding the site. Based on depth and diameter information provided by the utility companies, it appears some utility lines and their associated backfill trenches may intersect static groundwater levels. Available utility type, location, and pipe depth and diameter information are presented on Figure 3. The sensitive receptor and utility survey findings were reported in Cambria's November 30, 2004 *Soil and Groundwater Investigation Work Plan and Agency Response*.

### **Remediation Activities**

Product removal and groundwater extraction (GWE), product thickness and depth to water gauging, and groundwater sampling have been conducted to remove separate phase product and dissolved-phase hydrocarbons and to measure remedial progress and groundwater conditions. Shell and Cambria have adjusted the frequency of each activity in response to the observed conditions and monitoring results.

***Interim Remediation by GWE:*** Following the product release, Cambria supervised Philip Services Corporation's extraction of groundwater and recoverable product by vacuum truck from

tank backfill well TBW-N. Initially, GWE was conducted several times per day from August 19 until August 23, 2004. Daily GWE was conducted from August 24 until September 10, 2004. From September 13 through November 16, 2004 GWE was conducted weekly. Beginning November 1, Onyx Industrial Services (Onyx) conducted GWE activities for this site. From November 29, 2004 to January 17, 2005, GWE was conducted twice per month. GWE has been conducted monthly since January 17, 2005.




**Product Thickness and Depth to Water Gauging:** Cambria gauged product thickness and depth to water in well TBW-N before and after each GWE event prior to November 1, 2004. After November 1, 2004, Onyx gauged depth to water in well TBW-N before and after each GWE event. When separate phase hydrocarbons (SPH) were present in groundwater, Cambria estimated product recovery by measurement of product thickness in the vacuum tanker truck before it left the site.

**Groundwater Sampling:** Grab groundwater samples were collected periodically from TBW-N for analysis for TPHg, BTEX, and MTBE. Beginning with the November 8, 2004 sample, all samples are also analyzed for di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and ethyl tert butyl ether (ETBE), ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA), and ethanol. With the exception of the November 1, 2004 sample, which was collected after pumping by vacuum truck, the grab groundwater samples collected between September 1 and November 8, 2004 were collected prior to pumping the tank backfill well.

Beginning on November 23, 2004, Blaine began gauging product thickness and depth to water in well TBW-N and collecting groundwater samples following purging of three casing volumes of groundwater. Copies of Blaine's monitoring reports are included in Attachment A. Copies of the analytical reports from samples collected by Cambria and by Blaine from August 26, 2004 to January 17, 2005 are included in Attachment B.

To date, an estimated volume of 1,982.1 gallons of SPH was recovered as separate-phase liquid, and an estimated mass of 107.5 pounds (an equivalent volume of 16.8 gallons) of dissolved TPHg was recovered in water. The analytical results to date are summarized in Table 3. Cambria's product thickness data and depth to water data are summarized in Table 4. Cambria's water removal data and estimates of SPH and dissolved-phase product recovery are summarized in Table 5. Figure 4 graphically illustrates the SPH thickness, volume of recovered groundwater and TPHg concentrations versus time. Figure 5 graphically illustrates the volume of recovered groundwater and benzene concentrations versus time. Figure 6 graphically illustrates the volume of recovered groundwater and MTBE concentrations versus time. Figure 7 graphically illustrates the SPH thickness and depth to water versus time.



**INVESTIGATION PROCEDURES**

As proposed in the work plan, Cambria supervised the attempted advancement of 10 on-site soil borings (SB-1 through SB-10) by Shell's drilling contractor, Vironex, Inc. (Vironex) of San Leandro, California. The attempted and final boring locations are shown on Figures 2 and 3. In accordance with Shell's subsurface borehole clearance protocol, Vironex attempted to clear each location to 5 fbg by hand auger. Following borehole clearance, Vironex installed the soil borings using a Geoprobe® direct-push drill rig. At several locations, Vironex made several attempts before completing the hand-auger clearance to 5 fbg. However, due to refusal, Vironex could not penetrate the subsurface to the required 5 fbg in SB-9 and SB-10; thus no borings were advanced at those two locations. Typically, refusal occurred at depths ranging from 2 to 4 fbg. Large gravel, debris, and backfill material beneath the asphalt prevented the hand auger from advancing. Cambria's Standard Field Procedures for Soil Borings are included as Attachment C.

**Permits:** Cambria obtained a soil boring installation permit from the Alameda County Public Works Agency (Permit #W04-1197). A permit copy is included as Attachment D.

**Soil Sampling Dates:** November 30 through December 3, 2004.

**Drilling Company:** Vironex (C-57 License # 705-927).

**Personnel Present:** Stewart Dalie, Senior Staff Scientist, Cambria  
Kurt Nickerson, Driller, Vironex

**Drilling Method:** Vironex used a Geoprobe® direct-push drill rig for all on-site soil borings.

**Number of Borings:** Ten attempted, eight were advanced successfully: SB-1 through SB-8 were completed as proposed. SB-9 and SB-10 were not completed due to subsurface refusal during hand-auger borehole clearance.

**Boring Depths:** Completed soil borings SB-1 through SB-8 were advanced to a total depth of 15 fbg for sampling and characterization. (Attachment E).

**Soil Sampling Method:** Soil was collected in continuous 4-foot acetate liners. Cambria staff selected the unsaturated soil samples for laboratory analysis at 5 fbg and 6.5 fbg (capillary fringe). No saturated soil samples

were selected for laboratory analysis. Cambria retained the samples by cutting 6-inch sections of liner with the soil contained inside. Teflon tape was then used to cap the ends of the tube to diminish any headspace, and plastic end caps were used to seal the sample integrity. Samples were labeled, logged onto the chain-of-custody form, and then placed in an ice filled cooler.

*Sediment Lithology:*

Asphalt, baserock and well-graded gravels with some silts and sands comprised the top 1.5 to 3 fbg in the majority of boring locations. Soils encountered below 1.5 to 3 fbg were poorly-graded sands and sands with silt to the total explored depth of 15 fbg in each boring location (Attachment E). All eight borings were back filled with neat Portland Type I/II cement via tremie pipe from the bottom up, and the surface conditions were restored to match the existing grade with dyed concrete.

*Grab Groundwater Sampling:*

Due to a Cambria miscommunication regarding the water sampling method, depth-discrete water samples were not collected from the first encountered groundwater. Instead, a temporary well screen was placed to the total depth in each boring, and a grab groundwater sample was collected from the top of the water column. Upon completion of each boring location to 15 fbg, Cambria staff instructed Vironex staff to insert temporary 1-inch-diameter, 0.010-inch slotted, PVC well screen into the boring. Cambria gauged depth to water to determine the depth of the grab groundwater samples. A stainless steel bailer was used to collect water from the top of the water column within the temporary casing to fill several sample vials. Samples were then placed in an ice-filled cooler under chain-of-custody. The well screens were used as tremie pipe for grouting the soil borings from the bottom up, after all water sampling had been completed.

*Depth-Discrete Groundwater Sampling:*

Upon completion of the initial soil boring at each location and collection of the grab groundwater sample, Cambria field staff instructed Vironex field staff to move over from the original boring location approximately 2 to 3 inches and hand auger a second boring to 5 fbg, per Shell's subsurface clearance



protocol. Then Vironex advanced a Hydropunch<sup>®</sup> water sampler to the target sampling depths of 10 and 15 fbg. At each depth, the Hydropunch<sup>®</sup> was advanced approximately 6 inches to 1 foot below the target depth, and the tool was retracted approximately 1 foot above the target depth, exposing a section of screen inside the Hydropunch<sup>®</sup> approximately 1 to 2 feet long. Once the screen was exposed, a stainless steel bailer was lowered inside the Hydropunch<sup>®</sup> to the target depth to collect a discrete water sample. If insufficient water was present initially, Cambria waited a reasonable time period and attempted to sample again. If insufficient water entered the Hydropunch<sup>®</sup> within a reasonable time, no sample was collected. Upon completion of the 10 fbg discrete water sample, the Hydropunch<sup>®</sup> was completely removed from the boring, cleaned, re-fitted with another disposable tip, and advanced to the next target discrete water sample interval. Upon completion of the discrete depth water sampling, tremie pipe was used to grout the borings.

Not all of the Hydropunch<sup>®</sup> locations produced enough water to collect a sample. Borings SB-2, SB-4, and SB-5 through SB-8 did not produce enough water at the 10 fbg sample depth, apparently due to the greater silt content of the sediments at that depth. SB-3 did not produce enough water at the 10 or 15 fbg depths. SB-1 was the only location that produced water from each depth interval for both grab and discrete depth water sampling.

*Groundwater Depths:*

Groundwater was first encountered during drilling in the borings between 6.51 fbg in SB-1 and 7.85 fbg in SB-4. The depth to groundwater was measured soon after initial intrusion into the aquifer, so hydrostatic pressures may not have had adequate time to equilibrate.

*Chemical Analyses:*

Selected soil, grab groundwater, and discrete groundwater samples were analyzed by State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California for TPHg, BTEX, MTBE, TBA, ETBE, DIPE, TAME, 1,2-DCA, EDB, and ethanol using EPA Method 8260B (Attachment F).

***Stockpile Soil Sampling  
And Disposal:***

Soil cuttings were wrapped in plastic sheeting, labeled and temporarily stockpiled on site. Using data collected during August 2004 upgrade work, the soil was profiled for disposal. The cuttings were transported by Manley and Sons Trucking Company of Sacramento, California to (Allied Waste) Forward Landfill in Manteca, California for disposal as a non hazardous waste. A disposal confirmation report is included as Attachment G.

**INVESTIGATION RESULTS**

***Chemical Distribution in Soil:*** TPHg was detected in two soil samples at 6.2 and 740 parts per million (ppm) in samples SB-7-6.5' and SB-8-6.5', respectively. Benzene was not detected in any soil sample. Ethylbenzene, toluene, and total xylenes were detected only in soil sample SB-8-6.5' at 5.9, 17, and 83 ppm, respectively. MTBE was detected in three soil samples SB-2-6.5', SB-4-6.5', and SB-6-6.5' at 0.011, 1.5, and 0.0099 ppm, respectively. DIPE, ETBE, TAME, 1,2-DCA, and EDB were not detected in any soil samples collected. Ethanol was detected only in soil sample SB-8-6.5' at a concentration of 53 ppm. The certified analytical laboratory reports are included as Attachment F, results are summarized in Table 1, and the TPHg, benzene, and MTBE results are shown on Figure 2.

***Chemical Distribution in Groundwater:*** The certified analytical laboratory reports are included as Attachment F, results are summarized in Table 2, and the TPHg, benzene, and MTBE results are shown on Figure 2.

***Grab Groundwater Samples:*** TPHg and benzene were identified in only two grab groundwater samples, SB-6-W and SB-8-W. TPHg concentrations were 2,000, and 17,000, parts per billion (ppb) and benzene concentrations were 0.61 and 250 ppb, respectively. Toluene, ethylbenzene, and total xylenes were present in only two grab groundwater samples, SB-6-W and SB-8-W, at concentrations of 0.88 and 660 ppb toluene, 59 and 840 ppb ethylbenzene, and 57 and 3,700 ppb total xylenes, respectively. MTBE was present in all grab groundwater samples collected except SB-8-W, at concentrations between 14 ppb (SB-6-W) to 9,000 ppb (SB-3-W'). TBA was detected in five grab groundwater samples (SB-2-W, SB-4-W, SB-5-W, SB-6-W, and SB-7-W) at concentrations of 500, 1,100, 190, 5.5, and 180 ppb, respectively. Detectable concentrations of DIPE, ETBE, TAME, 1,2-DCA, EDB, and ethanol were not identified in any grab groundwater sample collected. The certified analytical laboratory reports are included as Attachment F, results are summarized in Table 2, and the TPHg, benzene, and MTBE results are shown on Figure 2.

*Depth-Discrete Groundwater Samples (10 fbg samples):* Due to silt clogging of the hydropunch screen, only one 10-foot, depth-discrete groundwater sample (SB-1W-10') was collected. MTBE was detected in grab groundwater sample SB-1W-10', at a concentration of 300 ppb. No other target analytes were detected in the 10 fbg sample.


*Depth Discrete Groundwater Samples (15 fbg samples):* Only one 15-foot depth-discrete sample (at boring SB-3) could not be collected during this investigation due to clogging of the hydropunch screen. TPHg and benzene were detected at concentrations of 520, 920, and 270 ppb TPHg, and 1.7, 0.54, and 5.3 ppb benzene in groundwater samples SB-4W-15', SB-7W-15', and SB-8W-15', respectively. Toluene, ethylbenzene, and total xylenes were detected at concentrations of 5.3, 1.1, and 13 ppb toluene, 14, 28, and 12 ppb ethylbenzene, and 62, 19, and 47 ppb total xylenes in samples SB-4W-15', SB-7W-15', and SB-8W-15', respectively. MTBE was detected in all samples collected at 15 fbg at concentrations between 11 ppb (SB-8W-15') to 24,000 ppb (SB-1W-15'). TBA was detected at concentrations of 1,700, 420, 2,000, 340, and 92 ppb in samples SB-1W-15', SB-2W-15', SB-4W-15', SB-5W-15', and SB-6W-15', respectively. TAME was detected only in sample SB-4W-15' at a concentration of 4.0 ppb. DIPE, ETBE, 1,2-DCA, EDB, and ethanol were not detected in any groundwater sample collected during this investigation.

## CONCLUSIONS

Soil lithology observed during this investigation was generally consistent with that found during prior investigations. Shallow cobbles or debris prevented advancement of two borings and required several attempts to advance others. Silt content within the poorly graded sand observed at approximately 10 fbg was greater than above and below. At 15 fbg, little to no silt content was observed, and the sand was generally 100% coarse, poorly sorted sand. Groundwater was encountered within previously determined saturated intervals. No free product was observed in soil or water in any of the borings.

The soil analytical results indicate that the extent of hydrocarbons and MTBE in soil is limited to the site. The areas of hydrocarbon and MTBE impacts to soil appear separate and distinct. TPHg was detected in only capillary fringe soil samples from near the kiosk. This is consistent with the detection of hydrocarbons in sample P-3-3' collected during August 2004 fuel dispenser upgrade sampling. Benzene was not detected in any soil sample. MTBE was detected in only capillary fringe soil samples from near the northern and northeastern boundaries of the site. As a result, Cambria concludes that the August 2004 fuel release from the USTs did not significantly impact

soils. In addition, Cambria concludes that the area of hydrocarbon and MTBE-impacted soils near the kiosk is very limited.



Historically, groundwater has flowed to the north, northwesterly and northeasterly directions on site; therefore, Cambria proposed the boring locations with groundwater sampling downgradient of the suspected fuel release areas of the dispensers, piping and USTs. The highest concentrations of TPHg and BTEX compounds in groundwater were found southwest of the kiosk. Lesser TPHg and BTEX concentrations in groundwater were found east of the kiosk, east of the center dispenser island, and approximately 10 feet north of the USTs. Cambria believes this shows that the areas of groundwater impacted by TPHg and BTEX are distinct and separate. Due to the groundwater sampling methods used and general lack of groundwater samples obtained from the 10-foot depth interval, Cambria can not conclusively describe the vertical distribution of hydrocarbons in groundwater.

Since no free product or sheen was observed in any soil or groundwater sample, Cambria believes the extent of free product from the August 2004 release was confined to the immediate vicinity of the UST pit.

MTBE was detected in groundwater in all boring locations, with the highest concentration present in the 15-foot sample collected in the northeast corner of the site. Generally higher MTBE concentrations in groundwater were present in samples collected north and east of the USTs than in those collected east and south of the dispenser islands. MTBE concentrations appear to increase with distance away from the USTs in the northerly direction. Since only one pair of depth-discrete groundwater samples were collected from the same boring (SB-1), Cambria can not conclusively describe the vertical distribution of MTBE in groundwater. However, in boring SB-1, higher MTBE concentrations were present in the 15 fbg sample than in the 10 fbg sample. By comparison to soil lithology at those depths, Cambria believes this may indicate that MTBE migration from on- or off-site sources may occur preferentially through the less silty, more permeable sediments found at 15 fbg. Since the lateral distribution of MTBE is different than that of TPHg and BTEX compounds, Cambria believes this indicates that their sources are distinct and separate. *NO*

Comparison of the groundwater analytical data collected from the UST backfill well TBW-N with the data collected from grab and depth discrete samples from the borings shows that hydrocarbon concentrations decrease rapidly with distance away from the USTs. Cambria believes this indicates that the extent of groundwater impacted by TPHg from the August 2004 fuel release is limited. With the exception of samples collected near the northern property line and the northeast corner of the site, comparison of the MTBE data from TBW-N with the grab and depth discrete boring samples shows that concentrations are similar. Cambria believes this may indicate a prior release of MTBE from the USTs or fuel system at the site, since the fuel

released in August 2004 was reported to be non-oxygenated. However, Cambria believes that the detection of the highest concentrations of MTBE near the northern property line and the northeast corner of the site indicate that off-site sources of MTBE may be present. *uo*

The investigation results have defined the areas of soil impacted by TPHg and by MTBE, and they are limited to the site. The investigation has not defined the extent of TPHg and MTBE in groundwater at the site. Groundwater monitoring data from well MW-1 at the former 76 service station at 1629 Webster has been requested from ConocoPhillips (responsible party for the former 76 site) and their consultant by Shell and Cambria, but no recent data has been available to date to compare off-site results to on-site results.



Based on the prior SRS and current investigation results, it appears no sensitive receptors are likely to be affected by the identified TPHg or MTBE impacts to groundwater. Based on the prior utility survey and current investigation results, the north-flowing 8-inch sanitary sewer in Webster Street appears to be the only potential conduit near the site which may transport groundwater and dissolved chemicals preferentially. However, on-site groundwater monitoring wells are not yet present to indicate the current groundwater flow direction.

## RECOMMENDATIONS

Based on these conclusions, Cambria recommends:

- Installing six on-site monitoring wells to confirm the groundwater conditions on-site and at the site perimeter, and to obtain on-site groundwater gradient data. Cambria recommends installing all wells with short (maximum of 5 feet) screened intervals. Cambria recommends installing five wells screened from the water table to 5 feet below the water table (from approximately 7 to 12 fbg) in these locations: near SB-1, just west of former MW-3, near SB-5, near SB-7, and near SB-8. To evaluate the MTBE concentrations observed in the 15-foot grab groundwater samples from SB-1, Cambria recommends installing one well screened in a deeper interval (from approximately 12 to 17 fbg, depending on field review of boring lithology) near SB-1.
- Collecting additional soil samples from all borings for the proposed wells, and depth-discrete groundwater samples from first encountered groundwater in all locations and at 15 fbg in areas not previously sampled;

- Surveying all new wells, tank backfill well TBW-N and the other existing tank backfill wells to a common datum;
- Conducting concurrent groundwater gauging and monitoring at the Shell and former 76 sites to determine area-wide groundwater gradients and concentrations;
- Evaluating the potential for off-site chemical migration via the 8-inch sanitary sewer in Webster Street once groundwater gradient data and monitoring well chemical data is available;
- Conducting monthly GWE from and sampling of well TBW-N through July 2005 while the stability of the chemical concentrations in the UST pit is verified, and until the proposed monitoring wells' sampling results have been reviewed to evaluate groundwater conditions.



## **SCHEDULE**

Upon ACHSA approval or response to this report, Cambria will submit a work plan for the proposed well installations under separate cover.



**CLOSING**

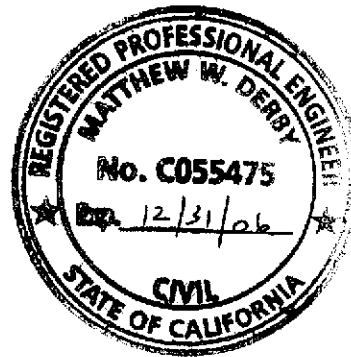
Please contact Ana Friel at (707) 268-3812, or Matt Derby at (510) 420-3332, if you have any questions or comments regarding this report.

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



*Matthew W. Derby*  
Stewart A. Dalie IV  
Senior Staff Scientist

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

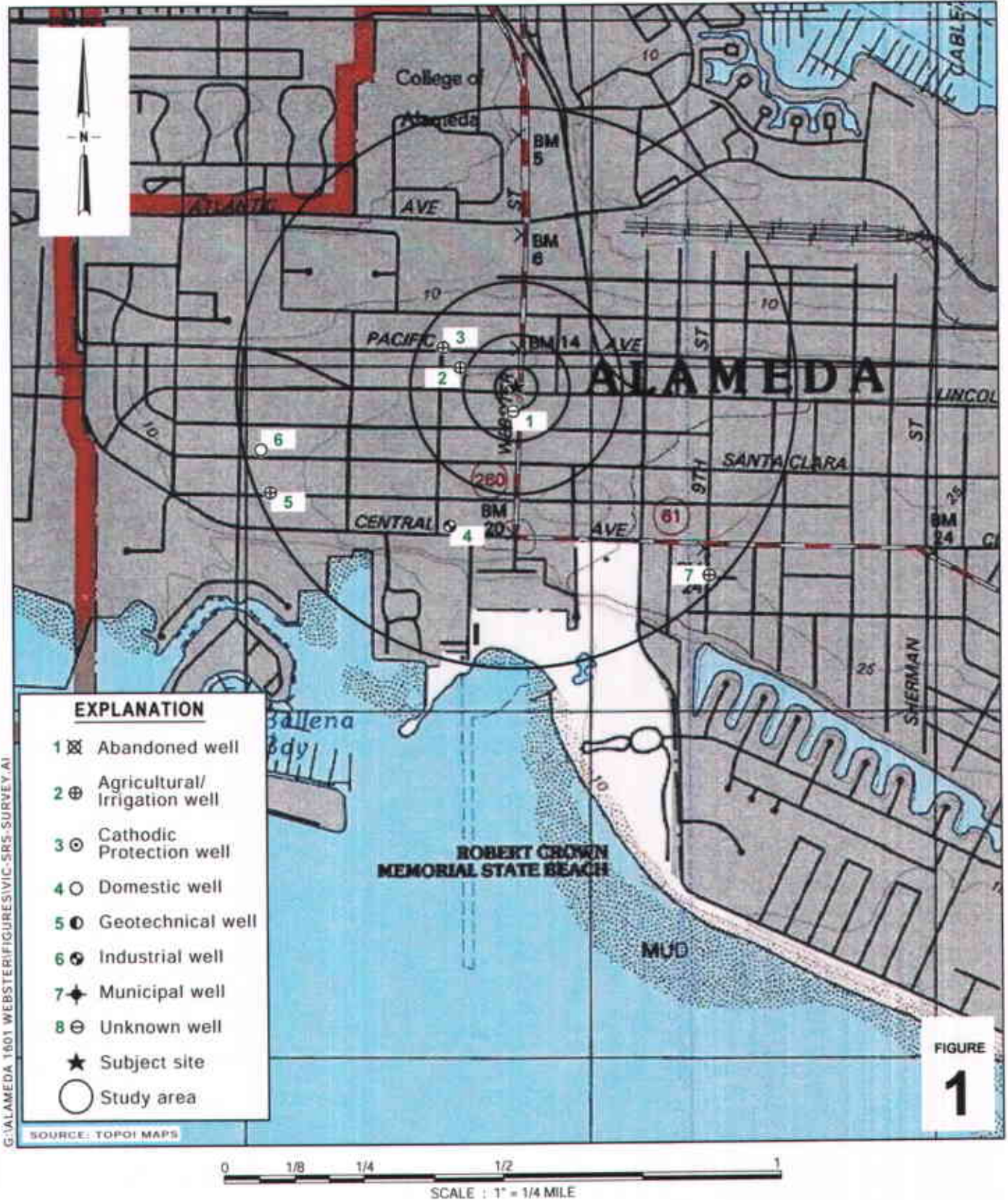


Figures:            1 - Vicinity/Sensitive Receptor Survey Map  
                         2 - Soil Sample Location Map  
                         3 - Expanded Site Plan  
                         4 - GWE Pumping Volume, SPH Thickness, and TPHg Concentration  
                         5 - GWE Pumping Volume, and Benzene Concentration  
                         6 - GWE Pumping Volume, and MTBE Concentration  
                         7 - Depth to Water and Free Product Thickness

Tables:             1 - Historical Soil Analytical Data  
                         2 - Historical Groundwater Analytical Data  
                         3 - Grab Groundwater Analytical Results  
                         4 - Groundwater and SPH Gauging Data  
                         5 - Groundwater and Product Removal Data

Attachments:    A - Blaine Monitoring Reports  
                         B - GWE Sampling Analytical Laboratory Reports  
                         C - Standard Field Procedures for Soil Borings  
                         D - Boring Permit  
                         E - Boring Logs  
                         F - Certified Analytical Laboratory Reports  
                         G - Soil Disposal Confirmation Report

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810  
Thomas H. Kosel, ConocoPhillips Risk Management & Remediation, 76 Broadway,  
Sacramento, CA 95818  
James C. Kirschner, ATC Associates, Inc. 6602 Owens Drive, Suite 100,  
Pleasanton, CA 94588 (consultant for ConocoPhillips)

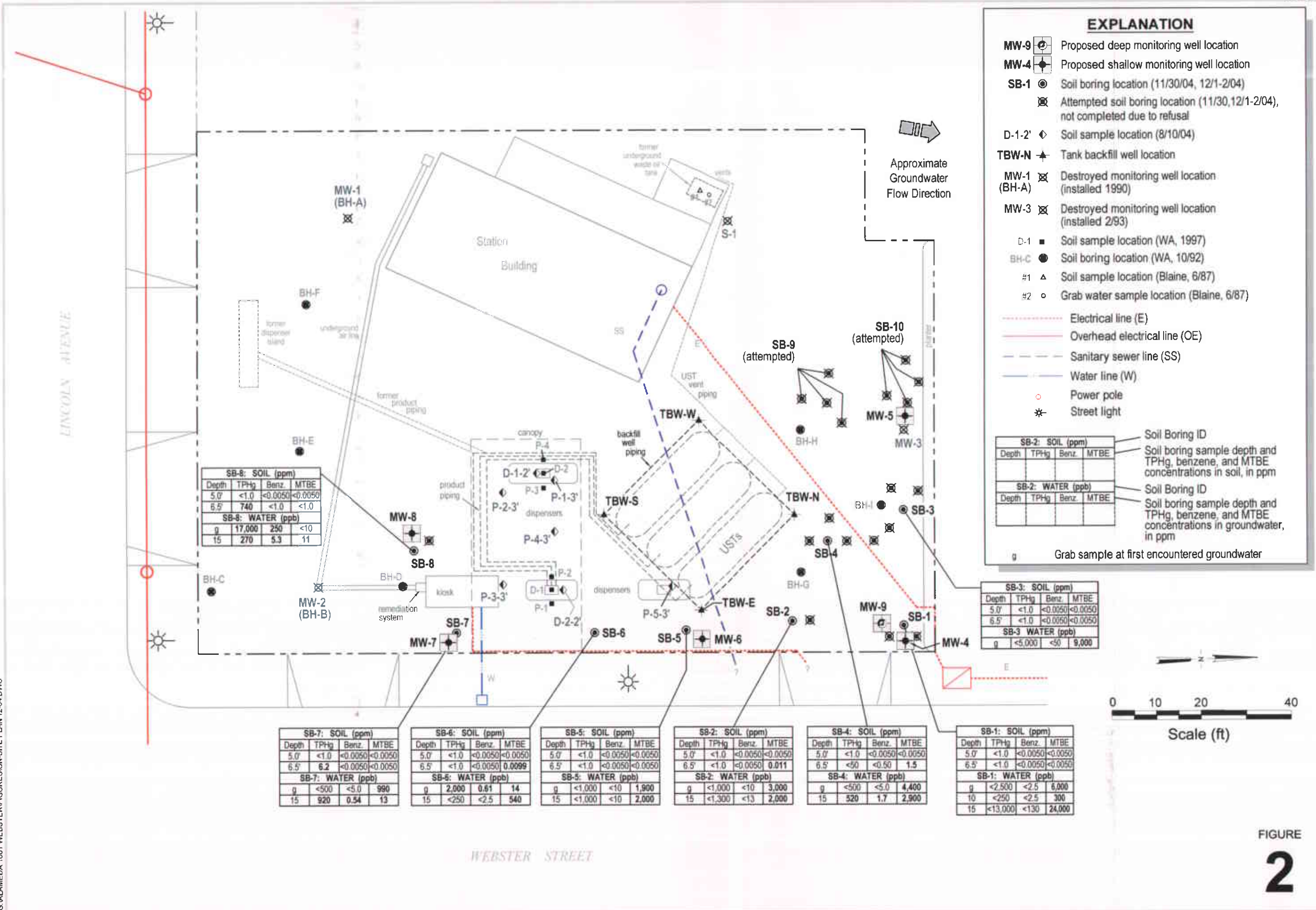


**Shell-branded Service Station**  
 1601 Webster Street  
 Alameda, California  
 Incident #97437680



C A M B R I A

**Vicinity/Sensitive Receptor  
 Survey Map**  
 (200, 500, and 1,000 Ft., and 1/2 Mile Radii)



Soil Sample Location Map



C A M B R I A

Shell-branded Service Station

1601 Webster Street  
Alameda, California  
Incident #97564701

Figure 4 - Shell 1601 Webster St, Alameda  
Groundwater Pumping Volume, SPH Thickness,  
and TPH Concentration

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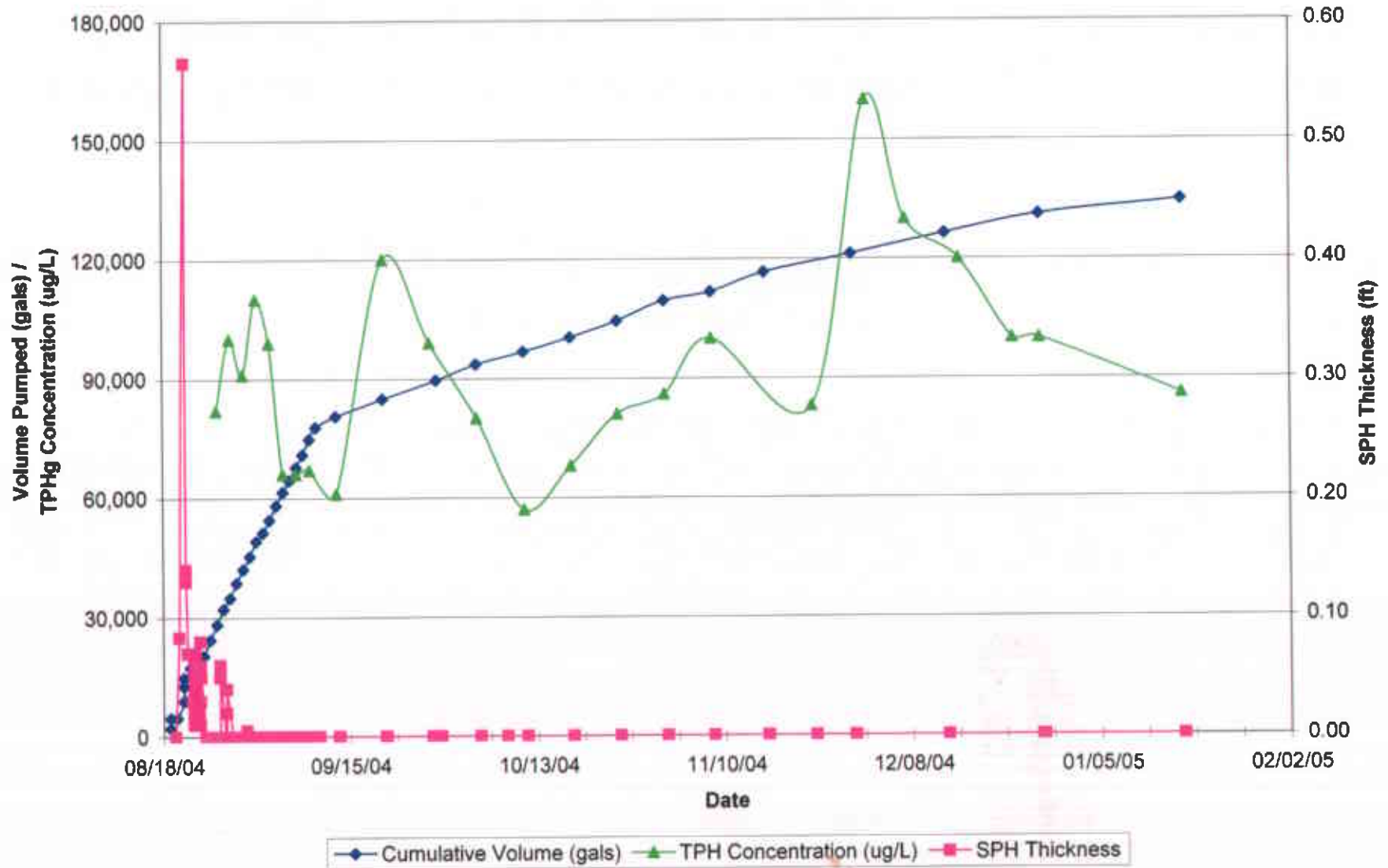
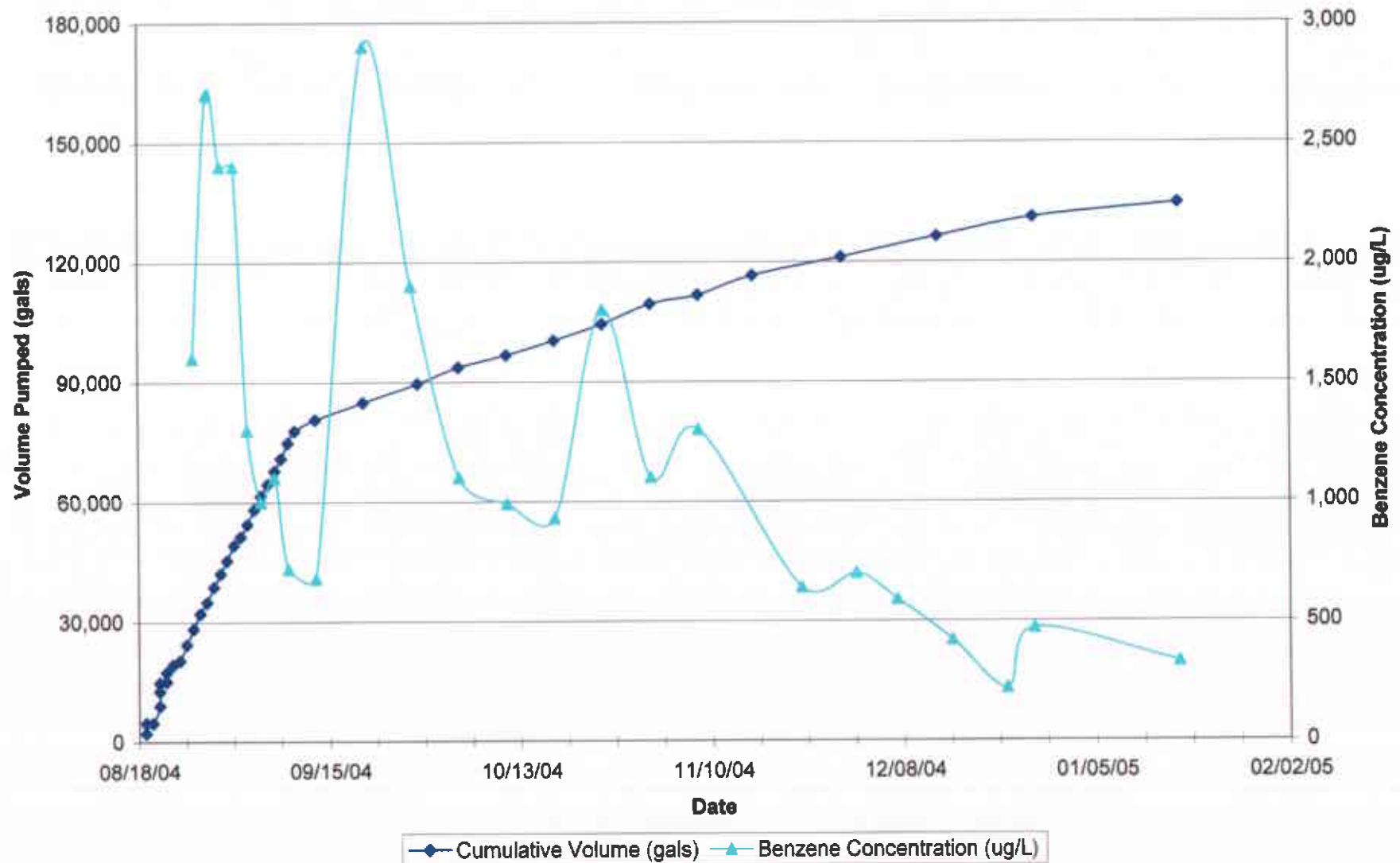


Figure 5 - Shell 1601 Webster St, Alameda  
Groundwater Pumping Volume,  
and Benzene Concentration

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**Figure 6 - Shell 1601 Webster St, Alameda  
Groundwater Pumping Volume,  
and MTBE Concentration**

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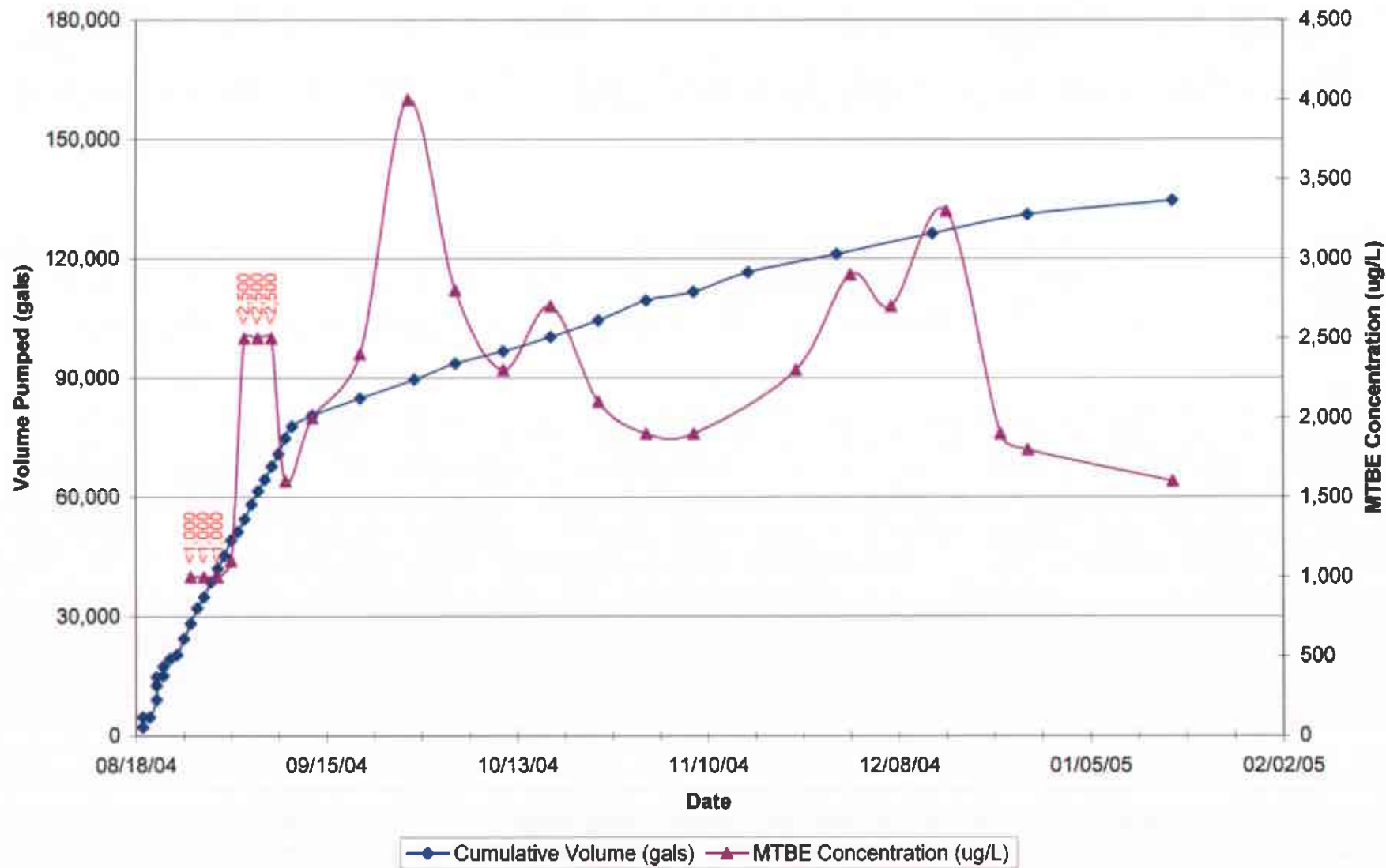
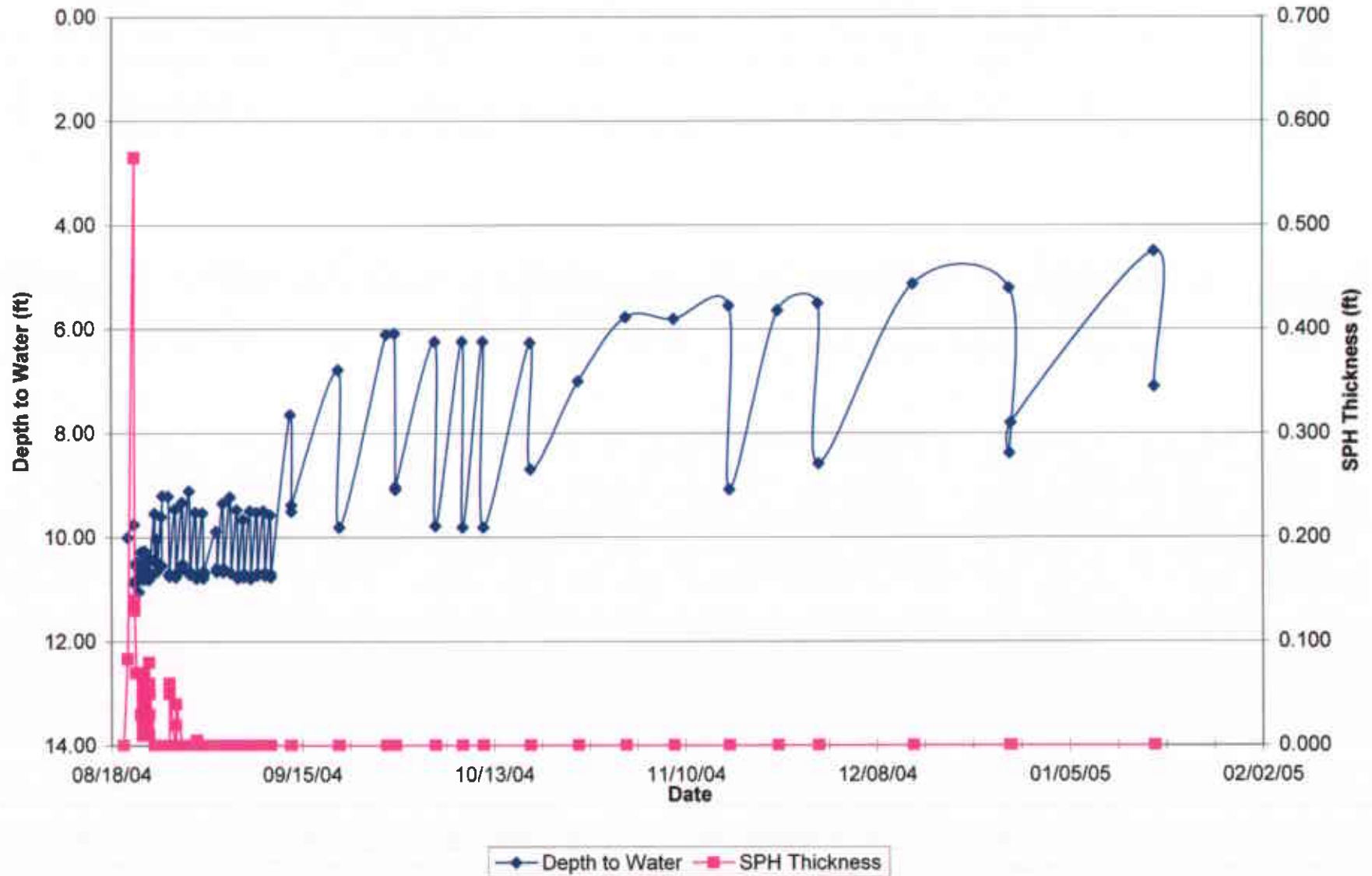


Figure 7 - Shell 1601 Webster St, Alameda  
Depth to Water and Free Product Thickness

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**Table 1. Historical Soil Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	TOG
<b><u>Waste Oil UST Removal June 1987</u></b>																
#1	9.5	6/26/1987	14	<50	<50	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	133
<b><u>Monitoring Well Installstion September 1987</u></b>																
S-1	3.5-5	9/4/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
S-1	9-10.5	9/4/1987	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	30
S-1	14-15.5	9/4/1987	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13
<b><u>Monitoring Well Installation 1990</u></b>																
BH-A (MW-1)	4.8	4/3/1990	<1.0	<0.0025	<b>0.0032</b>	<0.0025	<b>0.0030</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-A (MW-1)	7.8	4/3/1990	<1.0	<0.0025	<b>0.0029</b>	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	NA	NA	<50
BH-A (MW-1)	10.8	4/3/1990	<1.0	<b>0.0026</b>	<b>0.010</b>	<0.0025	<b>0.0037</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-B (MW-2)	5.2	4/3/1990	<1.0	<0.0025	<b>0.0048</b>	<0.0025	<b>0.013</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-B (MW-2)	6.8	4/3/1990	<b>1.3</b>	<b>0.0034</b>	<b>0.017</b>	<b>0.010</b>	<b>0.079</b>	NA	NA	NA	NA	NA	NA	NA	NA	<50
BH-B (MW-2)	10.2	4/3/1990	<b>20</b>	<b>0.530</b>	<b>3.800</b>	<b>0.750</b>	<b>4.000</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-B (MW-2)	15.2	4/3/1990	<b>32</b>	<b>0.15</b>	<b>1.8</b>	<b>0.67</b>	<b>2.6</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-B (MW-2)	20.2	4/3/1990	<1.0	<b>0.0049</b>	<b>0.023</b>	<b>0.0047</b>	<b>0.029</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b><u>Subsurface Investigation 1992</u></b>																
BH-C-5.5'	5.5	10/12/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-C-11'	11.0	10/12/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-D-5.5'	5.5	10/12/92	<b>100</b>	<0.005	<0.005	<b>1.8</b>	<b>5.4</b>	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-D-10.5'	10.5	10/12/92	<0.5	<0.005	<0.005	<b>0.007</b>	<b>0.032</b>	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-E-5.5'	5.5	10/22/92	<b>14</b>	<b>0.026</b>	<b>0.4</b>	<b>0.2</b>	<b>1.2</b>	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-E-10.5'	10.5	10/22/92	<b>170</b>	<0.005	<b>3.0</b>	<b>3.6</b>	<b>22</b>	NA	NA	NA	NA	NA	NA	NA	NA	<b>110</b>
BH-E-13.5'	13.5	10/22/92	<b>0.87</b>	<b>0.11</b>	<b>0.097</b>	<b>0.019</b>	<b>0.089</b>	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-F-5.5'	5.5	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30



# CAMBRIA

**Table 1. Historical Soil Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	( parts per million)				1,2-DCA	EDB	Ethanol	TOG
									TBA	DIPE	ETBE	TAME				
BH-F-10.5'	10.5	10/22/92	<b>26</b>	<b>0.065</b>	<b>0.27</b>	<b>0.65</b>	<b>3.6</b>	NA	NA	NA	NA	NA	NA	NA	NA	<b>47</b>
BH-G-5.5'	5.5	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-G-10'	10.0	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-H-5.5'	5.5	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-H-10'	10.0	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-I-5.5	5.5	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-I-10.5	10.5	10/22/92	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
<b><u>Monitoring Well Installation 1993</u></b>																
BH-J-5.5' (MW-3)	5.5	2/19/1993	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
BH-J-10' (MW-3)	10.0	2/19/1993	<0.5	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	<30
<b><u>Upgrade Soil Sampling 1997</u></b>																
D-1	5.0	8/27/1997	<b>10,000</b>	<5.0	<b>12</b>	<b>81</b>	<b>700</b>	<25	NA	NA	NA	NA	NA	NA	NA	NA
D-2	5.0	8/27/1997	<b>11,000</b>	<b>6.3</b>	<b>7.8</b>	<b>96</b>	<b>440</b>	<25	NA	NA	NA	NA	NA	NA	NA	NA
D-2	10.0	8/27/1997	<b>760</b>	<b>2.4</b>	<b>4.1</b>	<b>10</b>	<b>66</b>	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-1	5.0	8/27/1997	<b>140</b>	<0.25	<b>0.91</b>	<b>0.82</b>	<b>5.9</b>	<1.2	NA	NA	NA	NA	NA	NA	NA	NA
P-2	5.0	8/27/1997	<b>3,600</b>	<b>1.9</b>	<b>1.9</b>	<b>36</b>	<b>220</b>	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-3	5.0	8/27/1997	<b>1,700</b>	<1.2	<1.2	<b>4</b>	<b>23</b>	<6.2	NA	NA	NA	NA	NA	NA	NA	NA
P-4	5.0	8/27/1997	<b>230</b>	<0.25	<0.25	<b>1.2</b>	<b>3.4</b>	<1.2	NA	NA	NA	NA	NA	NA	NA	NA

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**Table 1. Historical Soil Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	( parts per million)				1,2-DCA	EDB	Ethanol	TOG
									TBA	DIPE	ETBE	TAME				
<i><b>Upgrade Soil Sampling 2004</b></i>																
P-2-3'	3.0	8/10/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
P-3-3'	3.0	8/10/2004	<b>1,300</b>	<0.50	<0.50	<0.50	<b>49</b>	<0.50	NA	NA	NA	NA	NA	NA	NA	NA
P-4-3'	3.0	8/10/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
P-5-3'	3.0	8/10/2004	<1.0	<0.0050	<0.0050	<0.0050	<b>0.045</b>	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
D-1-2'	2.0	8/10/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
D-2-2'	2.0	8/10/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
<i><b>Subsurface Investigation 2004</b></i>																
SB-1-5'	5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-1-6.5'	6.5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-2-5'	5	12/1/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-2-6.5'	6.5	12/1/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.011</b>	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-3-5'	5	12/1/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-3-6.5'	6.5	12/1/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-4-5'	5	12/2/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-4-6.5'	6.5	12/2/2004	<50	<0.50	<0.50	<0.50	<0.50	<b>1.5</b>	<2.5	<1.0	<0.50	<0.50	<0.50	<0.50	<25	NA
SB-5-5'	5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-5-6.5'	6.5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA

# CAMBRIA

**Table 1. Historical Soil Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	←							→						
			TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	TOG
SB-6-5'	5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-6-6.5'	6.5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.0099</b>	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-7-5'	5	11/30/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-7-6.5'	6.5	11/30/2004	<b>6.2</b>	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-8-5'	5	12/2/2004	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.1	NA
SB-8-6.5'	6.5	12/2/2004	<b>740</b>	<1.0	<b>5.9</b>	<b>17</b>	<b>83</b>	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<b>53</b>	NA
SB-9	N/A	No sample due to refusal at 3 fbg.														
SB-10	N/A	No sample due to refusal at 3 fbg.														

**Notes and Abbreviations:**

fbg = feet below grade

parts per million = ppm

<x = Not detected at reporting limit x

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8260B. Prior to 2004, analysis was by EPA Method 8020.

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

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

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

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

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B. Prior to 2004, different methods were used.

EDB = Ethylene dibromide, Prior to 2004, different methods were used.

Ethanol by EPA Method 6010B

# CAMBRIA, CA

**Table 2. Historical Groundwater Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	( parts per billion )				1,2-DCA	EDB	Ethanol	TOG
									TBA	DIPE	ETBE	TAME				
<b><u>Waste Oil UST Removal 1987</u></b>																
#2		6/26/1987	<b>132,000</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>244,000</b>
#2 (duplicate)		6/26/1987	<b>1,600</b>	<b>3.7</b>	<b>45</b>	NA	<b>200</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b><u>Monitoring Well Installation 1987</u></b>																
S-1		9/7/1987	NA	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b><u>Monitoring Well Sampling 1989</u></b>																
S-1		9/11/1989	<50	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	<1,000
<b><u>Subsurface Investigation / Monitoring Well Sampling 1990</u></b>																
S-1		4/11/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1		4/11/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2		4/11/1990	<b>580</b>	<b>20</b>	<b>4.9</b>	<b>1.2</b>	<b>73</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b><u>Subsurface Investigation 1992</u></b>																
BH-C		10/12/1992	<b>74</b>	<b>0.5</b>	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-D		10/12/1992	<b>24,000</b>	<b>4,200</b>	<0.5	<b>4,400</b>	<b>2,800</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH-E		10/22/1992	<b>26,000</b>	<b>6,900</b>	<b>13,000</b>	<b>2,200</b>	<b>12,000</b>	NA	NA	NA	NA	NA	NA	NA	NA	<7,000
BH-F		10/22/1992	<b>3,100</b>	<b>170</b>	<b>110</b>	<b>310</b>	<b>550</b>	NA	NA	NA	NA	NA	NA	NA	NA	<14,000
BH-G		10/22/1992	<b>150</b>	<b>3.9</b>	<b>9.8</b>	<b>3.8</b>	<b>13</b>	NA	NA	NA	NA	NA	NA	NA	NA	<6,000
BH-H		10/22/1992	<b>26,000</b>	<b>1,600</b>	<b>280</b>	<b>1,900</b>	<b>2,800</b>	NA	NA	NA	NA	NA	NA	NA	NA	<6,000

# CAMBRIA

**Table 2. Historical Groundwater Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	← ( parts per billion) →										TOG		
				Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA		EDB	Ethanol
BH-I		10/22/1992	53	1.4	1.3	3.1	3.4	NA	NA	NA	NA	NA	NA	NA	NA	<8,000
<b><i>Monitoring Well Installation 1993</i></b>																
MW-3		2/25/1993	58	<0.5	<0.5	2.5	6.4	NA	NA	NA	NA	NA	1.5	NA	NA	140
<b><i>Subsurface Investigation 2004</i></b>																
SB-1-W	6.51 (g)	11/30/2004	<2,500	<25	<25	<25	<50	6,000	<250	<100	<100	<100	<25	<25	<2,500	NA
SB-1W-10'	10	11/30/2004	<250	<2.5	<2.5	<2.5	<5.0	300	<25	<10	<10	<10	<2.5	<2.5	<250	NA
SB-1W-15'	15	11/30/2004	<13,000	<130	<130	<130	<250	24,000	1,700	<500	<500	<500	<130	<130	<13,000	NA
SB-2-W	6.95 (g)	12/1/2004	<1,000	<10	<10	<10	<20	3,000	500	<40	<40	<40	<10	<10	<1,000	NA
SB-2W-15'	15	12/1/2004	<1,300	<13	<13	<13	<25	2,000	420	<50	<50	<50	<13	<13	<13,000	NA
SB-3-W	7.01 (g)	12/1/2004	<5,000	<50	<50	<50	<100	9,000	<500	<200	<200	<200	<50	<50	<5,000	NA
SB-4-W	7.85 (g)	12/2/2004	<500	<5.0	<5.0	<5.0	<10	4,400	1,100	<20	<20	<20	<5.0	<5.0	<500	NA
SB-4W-15'	15	12/2/2004	520	1.7	5.3	14	62	2,900	2,000	<2.0	<2.0	4.0	<0.50	<0.50	<50	NA
SB-5-W	7.21 (g)	11/30/2004	<1,000	<10	<10	<10	<20	1,900	190	<40	<40	<40	<10	<10	<1,000	NA
SB-5W-15'	15	11/30/2004	<1,000	<10	<10	<10	<20	2,000	340	<40	<40	<40	<10	<10	<1,000	NA
SB-6-W	7.01 (g)	11/30/2004	2,000	0.61	0.88	59	57	14	5.5	<2.0	<2.0	<2.0	<0.50	<0.50	<50	NA
SB-6W-15'	15	11/30/2004	<250	<2.5	<2.5	<2.5	<5.0	540	92	<10	<10	<10	<2.5	<2.5	<250	NA
SB-7-W	8.0 (g)	11/30/2004	<500	<5.0	<5.0	<5.0	<10	990	180	<20	<20	<20	<5.0	<5.0	<500	NA
SB-7W-15'	15	11/30/2004	920	0.54	1.1	28	19	13	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	NA
SB-8-W	7.09 (g)	12/2/2004	17,000	250	660	840	3,700	<10	<100	<40	<40	<40	<10	<10	<1,000	NA
SB-8W-15'	15	12/2/2004	270	5.3	13	12	47	11	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50	NA

**Table 2. Historical Groundwater Analytical Data - Shell-branded Service Station, Incident #97564701, 1601 Webster Street, Alameda, CA**

Sample ID	Depth (fbg)	Date	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	TOG
									← ( parts per billion) →							

**Notes and Abbreviations:**

fbg = feet below grade

parts per billion = ppb

<x = Not detected at reporting limit x

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

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

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

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

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

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

1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

EDB = Ethylene dibromide analyzed by EPA Method 8260B. Prior to 2004, different methods were used.

Ethanol by EPA Method 6010B

\* = flagged by the analytical laboratory because reporting limits were raised due to high levels of analyte present in the samples, analysis flag (L-2).

g = Grab sample collected at first encountered groundwater/piezometric surface

**Table 3. Grab Groundwater Analytical Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	(ppb)						
								TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol
TBW-N	8/26/2004	82,000	1,600	17,000	1,800	11,000	<1,000	--	--	--	--	--	--	--
TBW-N	8/28/2004	100,000	2,700	29,000	2,900	19,000	<1,000	--	--	--	--	--	--	--
TBW-N	8/30/2004	91,000	2,400	25,000	2,300	15,000	<1,000	--	--	--	--	--	--	--
TBW-N	9/1/2004	110,000	2,400	26,000	2,000	14,000	1,100	--	--	--	--	--	--	--
TBW-N	9/3/2004	99,000	1,300	2,000	1,600	16,000	<2,500	--	--	--	--	--	--	--
TBW-N	9/5/2004	66,000	1,000	14,000	1,000	11,000	<2,500	--	--	--	--	--	--	--
TBW-N	9/7/2004	66,000	1,100	15,000	960	11,000	<2,500	--	--	--	--	--	--	--
TBW-N	9/9/2004	67,000	720	11,000	1,000	15,000	1,600	--	--	--	--	--	--	--
TBW-N	9/13/2004	61,000	680	10,000	870	12,000	2,000	--	--	--	--	--	--	--
TBW-N	9/20/2004	120,000	2,900	35,000	1,700	21,000	2,400	--	--	--	--	--	--	--
TBW-N	9/27/2004	99,000	1,900	34,000	1,100	22,000	4,000	--	--	--	--	--	--	--
TBW-N	10/4/2004	80,000	1,100	20,000	810	15,000	2,800	--	--	--	--	--	--	--
TBW-N	10/11/2004	57,000	990	18,000	1,100	12,000	2,300	--	--	--	--	--	--	--
TBW-N	10/18/2004	68,000	930	18,000	1,200	14,000	2,700	--	--	--	--	--	--	--
TBW-N	10/25/2004	81,000	1,800	31,000	2,000	16,000	2,100	--	--	--	--	--	--	--
TBW-N	11/1/2004	86,000	1,100	28,000	2,300	18,000	1,900	--	--	--	--	--	--	--
TBW-N	11/8/2004	100,000	1,300	35,000	1,900	18,000	1,900	<500	<200	<200	<200	<50	<50	<5,000
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	1,300	<400	<400	<400	<100	<100	<10,000
TBW-N	12/1/2004	160,000	700	31,000	2,300	24,000	2,900	1,200	<400	<400	<400	<100	<100	<10,000
TBW-N	12/7/2004	130,000	590	29,000	2,300	24,000	2,700	1,300	<400	<400	<400	<100	<100	<10,000
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	1,000	<400	<400	<400	<100	<100	<10,000
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000
TBW-N	12/27/2004	100,000	470	26,000	2,300	22,000	1,800	<1,000	<400	<400	<400	<100	<100	<10,000
TBW-N	1/17/2005	86,000	330	22,000	2,200	21,000	1,600	1,600	<400	<400	<400	<100	<100	<10,000

**Abbreviations & Notes:**

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

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

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

TBA = Tert-butanol analyzed by EPA Method 8260B.

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

ETBE = Ethyl tert butyl ether analyzed by EPA Method 8260B.

**Table 3. Grab Groundwater Analytical Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Sample ID	Sample Date	TPHg	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol
<p>TAME = Tert-amyl methyl ether analyzed by EPA Method 8260B                      1,2-DCA = 1,2-dichloroethane analyzed by EPA Method 8260B.                      EDB = 1,2-dibromomethane analyzed by EPA Method 8260B.                      Ethanol analyzed by EPA Method 8260B.                      ppb = Parts per billion                      --- = Not analyzed                      a = Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard.</p>														



**Table 4. Groundwater and SPH Gauging Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Well ID	Date	Time	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	Depth to Product (ft.)	Depth to Water (ft.)	SPH Thickness (ft.)
TBW-N	8/19/2004	18:00									0.000
TBW-N	8/20/2004	8:30							9.92	10.00	0.083
TBW-N	8/21/2004	8:00							9.19	9.75	0.565
TBW-N	8/21/2004	9:00							10.75	10.88	0.13
TBW-N	8/21/2004	9:05							10.70	10.84	0.14
TBW-N	8/21/2004	14:30							10.47	10.54	0.07
TBW-N	8/21/2004	15:45							10.41	10.48	0.07
TBW-N	8/22/2004	0:15								11.05	
TBW-N	8/22/2004	0:30								10.78	
TBW-N	8/22/2004	7:00							10.25	10.28	0.03
TBW-N	8/22/2004	13:00							10.78	10.80	0.02
TBW-N	8/22/2004	13:05							10.76	10.78	0.02
TBW-N	8/22/2004	13:10							10.77	10.78	0.01
TBW-N	8/22/2004	13:15							10.72	10.78	0.06
TBW-N	8/22/2004	13:20							10.72	10.78	0.06
TBW-N	8/22/2004	13:25							10.71	10.78	0.07
TBW-N	8/22/2004	13:30							10.71	10.76	0.05
TBW-N	8/22/2004	13:40							10.70	10.76	0.06
TBW-N	8/22/2004	13:50							10.69	10.74	0.05
TBW-N	8/22/2004	14:00							10.68	10.72	0.04
TBW-N	8/22/2004	14:45							10.61	10.68	0.07
TBW-N	8/22/2004	20:30							10.24	10.26	0.02
TBW-N	8/23/2004	0:45							10.77	10.78	0.01
TBW-N	8/23/2004	1:00							10.74	10.79	0.05
TBW-N	8/23/2004	1:15							10.71	10.77	0.06
TBW-N	8/23/2004	7:30							10.34	10.36	0.02
TBW-N	8/23/2004	11:45							10.80	10.81	0.01
TBW-N	8/23/2004	12:00							10.75	10.80	0.05
TBW-N	8/23/2004	12:15							10.72	10.80	0.08
TBW-N	8/23/2004	12:30							10.71	10.76	0.05
TBW-N	8/23/2004	12:45							10.69	10.75	0.06
TBW-N	8/23/2004	13:00							10.68	10.71	0.03
TBW-N	8/23/2004	14:05							10.61	10.66	0.05
TBW-N	8/24/2004	7:15								9.54	0.00
TBW-N	8/24/2004	8:30								10.46	0.00
TBW-N	8/24/2004	8:55								10.42	0.00
TBW-N	8/24/2004	13:55								10.04	0.00
TBW-N	8/24/2004	15:30								10.66	0.00
TBW-N	8/25/2004	7:15								9.60	0.00
TBW-N	8/25/2004	9:55								10.54	0.00
TBW-N	8/25/2004	11:35								9.20	0.00
TBW-N	8/26/2004	7:00	82,000	1,600	17,000	1,800	11,000	<1,000		9.21	0.00
TBW-N	8/26/2004	11:15							10.76		0.00
TBW-N	8/26/2004	11:30							10.69	10.74	0.05
TBW-N	8/26/2004	11:45							10.66	10.72	0.06
TBW-N	8/26/2004	12:00							10.65	10.70	0.05

**Table 4. Groundwater and SPH Gauging Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Well ID	Date	Time	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	Depth to Product (ft.)	Depth to Water (ft.)	SPH Thickness (ft.)
TBW-N	8/27/2004	7:05								9.46	0.00
TBW-N	8/27/2004	10:15								10.76	0.00
TBW-N	8/27/2004	10:30							10.69	10.71	0.02
TBW-N	8/27/2004	10:45							10.66	10.70	0.04
TBW-N	8/28/2004	8:45	100,000	2,700	29,000	2,900	19,000	<1,000		9.33	0.00
TBW-N	8/28/2004	11:20								10.60	0.00
TBW-N	8/28/2004	11:25								10.51	0.00
TBW-N	8/29/2004	9:05								9.11	0.00
TBW-N	8/29/2004	12:25								10.71	0.00
TBW-N	8/29/2004	12:40								10.69	0.00
TBW-N	8/29/2004	12:55								10.66	0.00
TBW-N	8/30/2004	7:10	91,000	2,400	25,000	2,300	15,000	<1,000		9.52	0.00
TBW-N	8/30/2004	11:10								10.79	0.00
TBW-N	8/30/2004	11:25							10.73	10.73	0.01
TBW-N	8/30/2004	11:40							10.71	10.72	0.00
TBW-N	8/31/2004	6:55								9.53	0.00
TBW-N	8/31/2004	11:00								10.78	0.00
TBW-N	8/31/2004	11:15								10.71	0.00
TBW-N	8/31/2004	11:30							10.69	10.71	0.00
TBW-N	8/31/2004	12:00							10.66	10.68	0.00
TBW-N	8/31/2004	12:30							10.63	10.65	0.00
TBW-N	9/1/2004		110,000	2,400	26,000	2,000	14,000	1,100			0.00
TBW-N	9/2/2004	7:00								9.89	0.00
TBW-N	9/2/2004	9:45								10.66	0.00
TBW-N	9/2/2004	10:00								10.60	0.00
TBW-N	9/2/2004	10:15								10.59	0.00
TBW-N	9/3/2004	7:00	99,000	1,300	2,000	1,600	16,000	<2,500		9.35	0.00
TBW-N	9/3/2004	9:40								10.66	0.00
TBW-N	9/3/2004	9:55								10.62	0.00
TBW-N	9/3/2004	10:10								10.60	0.00
TBW-N	9/4/2004	9:00								9.23	0.00
TBW-N	9/4/2004	12:35								10.69	0.00
TBW-N	9/4/2004	12:50								10.69	0.00
TBW-N	9/5/2004	8:55	66,000	1,000	14,000	1,000	11,000	<2,500		9.47	0.00
TBW-N	9/5/2004	12:30								10.78	0.00
TBW-N	9/5/2004	12:45								10.74	0.00
TBW-N	9/6/2004	6:50								9.66	0.00
TBW-N	9/6/2004	10:30								10.76	0.00
TBW-N	9/6/2004	10:45								10.70	0.00
TBW-N	9/7/2004	7:00	66,000	1,100	15,000	960	11,000	<2,500		9.49	0.00
TBW-N	9/7/2004	10:20								10.79	0.00
TBW-N	9/7/2004	10:35								10.73	0.00
TBW-N	9/8/2004	6:45								9.52	0.00
TBW-N	9/8/2004	10:15								10.73	0.00
TBW-N	9/8/2004	10:30								10.69	0.00
TBW-N	9/9/2004	7:00	67,000	720	11,000	1,000	15,000	1,600		9.49	0.00

**Table 4. Groundwater and SPH Gauging Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Well ID	Date	Time	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	Depth to Product (ft.)	Depth to Water (ft.)	SPH Thickness (ft.)
TBW-N	9/9/2004	12:10								10.73	0.00
TBW-N	9/9/2004	12:25								10.68	0.00
TBW-N	9/10/2004	6:45								9.57	0.00
TBW-N	9/10/2004	9:40								10.76	0.00
TBW-N	9/10/2004	9:55								10.70	0.00
TBW-N	9/13/2004	6:55	61,000	680	10,000	870	12,000	2,000		7.64	0.00
TBW-N	9/13/2004	9:40								9.50	0.00
TBW-N	9/13/2004	9:55								9.38	0.00
TBW-N	9/20/2004	7:00	120,000	2,900	35,000	1,700	21,000	2,400		6.78	0.00
TBW-N	9/20/2004	10:30								9.81	0.00
TBW-N	9/27/2004	7:00	99,000	1,900	34,000	1,100	22,000	4,000		6.10	0.00
TBW-N	9/28/2004	13:05								6.08	0.00
TBW-N	9/28/2004	14:25								9.08	0.00
TBW-N	9/28/2004	14:40								9.03	0.00
TBW-N	10/4/2004	9:30	80,000	1,100	20,000	810	15,000	2800		6.24	0.00
TBW-N	10/4/2004	10:50								9.78	0.00
TBW-N	10/8/2004	9:30								6.24	0.00
TBW-N	10/8/2004	10:20								9.81	0.00
TBW-N	10/11/2004	9:25	57,000	990	18,000	1,100	12,000	2,300		6.24	0.00
TBW-N	10/11/2004	10:20								9.81	0.00
TBW-N	10/18/2004	7:00	68,000	930	18,000	1,200	14,000	2,700		6.26	0.00
TBW-N	10/18/2004	7:55								8.69	0.00
TBW-N	10/25/2004	8:45	81,000	1,800	31,000	2,000	16,000	2,100		7.00	0.00
TBW-N	11/1/2004	8:15	88,000	1,100	28,000	2,300	18,000	1,900		5.77	0.00
TBW-N	11/8/2004	7:40	100,000	1,300	35,000	1,900	18,000	1,900		5.80	0.00
TBW-N	11/16/2004	9:30								5.55	0.00
TBW-N	11/16/2004	11:00								9.08	0.00
TBW-N	11/23/2004	13:16	83,000	640	27,000	1,700	20,000	2,300		5.64	0.00
TBW-N	11/29/2004	10:00								5.50	0.00
TBW-N	11/29/2004	11:30								8.58	0.00
TBW-N	12/1/2004	9:20	160,000	700	31,000	2,300	24,000	2,900			
TBW-N	12/7/2004	14:38	130,000	590	29,000	2,300	24,000	2,700			
TBW-N	12/13/2004	7:55								5.13	0.00
TBW-N	12/15/2004	14:12	120,000	420	26,000	2,000	22,000	3,300			
TBW-N	12/23/2004	13:20	100,000	220	23,000	1,900	20,000	1,900			
TBW-N	12/27/2004	9:00								5.21	0.00
TBW-N	12/27/2004	10:00								8.38	0.00
TBW-N	12/27/2004	14:20	100,000	470	26,000	2,300	22,000	1,800		7.80	0.00
TBW-N	1/17/2005	7:55								4.5	0.00
TBW-N	1/17/2005	8:35	86,000	330	22,000	2,200	21,000	1,600		7.1	0.00

**Table 4. Groundwater and SPH Gauging Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Well ID	Date	Time	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	Depth to Product (ft.)	Depth to Water (ft.)	SPH Thickness (ft.)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B

MTBE = Methyl-tertiary-butyl ether

SPH = Separate phase hydrocarbons

NA = Not applicable

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

n/n = Pre-purge/Post-purge DO Readings

Notes:

G:\Alameda 1601 Webster\VacOps[GWE Data Tables.xls]Table 4 - GW + SPH Gaging Data

**Table 5. Groundwater and Product Removal Data - Shell Service Station, Incident # 97564701, 1601 Webster St, Alameda, California.**

Date	Total Volume Hauled (gals)	Cumulative Volume (gals)	Measured Product Thickness in Vacuum Truck (ft)	Dissolved TPHg Conc. (ppm)	Est pounds TPHg removed in Dissolved Phase (lbs)	Estimated Volume of Product Removed as SPH (gal)	Estimated Volume of Product Removed as dissolved phase (gal)	Comments
								<b>FUEL RELEASE ESTIMATE: UST gaging by SJ Weaver on 8/18 read 71.5 inches = 8,340 gallons, per tank chart. On 8/19 gaging by SJ Weaver read 55 inches = 6,256 gallons, per tank chart. Net est. Loss = 8,340-6,256 = 2,084 gallons.</b>
8/19/2004	2,168	2,168	NM	120	2.17		0.36	Pumped from well into open Baker tank. Then tank emptied by PSC vacuum truck
8/19/2004	2,535	4,703	NM	120	2.54	915	0.42	Pumped from well into open Baker tank. Also pumped directly into Vacuum Truck. Then open Baker tank emptied by PSC
8/20/2004	0	4,703	NM	120	0.00	--	0.00	Pumped into closed Baker tank - none hauled.
8/21/2004	4,369	9,072	NM	120	4.37	50	0.72	Pumped into closed Baker tank, then began emptying closed tank by vacuum truck. Estimated SPH volume from similar data.
8/21/2004	3,654	12,726	0.67	120	3.66	773	0.60	From closed Baker tank and well. Volumes based on verbal report - missing bills of lading
8/21/2004	2,091	14,817	0.04	120	2.09	57	0.34	From well and baker tank. Volumes based on verbal report - missing bills of lading
8/22/2004	319	15,136	NM	120	0.32	NM	0.05	Baker Tank cleaning water.
8/22/2004	2,285	17,421	0.11	120	2.29	150	0.38	
8/23/2004	1,947	19,368	0.01	120	1.95	13	0.32	
8/24/2004	1,013	20,381	0.01	120	1.01	12	0.17	
8/25/2004	4,026	24,407		120	4.03		0.66	
8/26/2004	3,839	28,246		82	2.63		0.43	
8/27/2004	3,882	32,128		82	2.66		0.44	
8/28/2004	2,770	34,898		100	2.31		0.38	
8/29/2004	3,834	38,732		100	3.20		0.53	
8/30/2004	3,376	42,108		91	2.56	12	0.42	Half UST cleaning water and half groundwater from well. SPH amount estimated from 0.02' SPH in UST gaged on 8/21/04
8/31/2004	3,249	45,357		91	2.47		0.41	
9/1/2004	3,832	49,189		110	3.52		0.58	
9/2/2004	2,151	51,340		110	1.97		0.32	
9/3/2004	3,136	54,476		99	2.59		0.43	
9/4/2004	3,671	58,147		99	3.03		0.50	
9/5/2004	3,395	61,542		66	1.87		0.31	
9/6/2004	2,948	64,490		66	1.62		0.27	
9/7/2004	3,285	67,775		66	1.81		0.30	
9/8/2004	3,128	70,903		66	1.72		0.28	
9/9/2004	3,902	74,805		67	2.18		0.36	water from TBW-N, TBW-S, & TBW-E
9/10/2004	2,989	77,794		67	1.67		0.27	water from TBW-N, TBW-S, & TBW-E
9/13/2004	2,807	80,601		61	1.43		0.23	70-barrel truck
9/20/2004	4,266	84,867		120	4.27		0.70	
9/28/2004	4,691	89,558		99	3.88		0.64	
10/4/2004	4,050	93,608		80	2.70		0.44	
10/11/2004	3,121	96,729		57	1.48		0.24	
10/18/2004	3,597	100,326		68	2.04		0.34	
10/25/2004	4,127	104,453		81	2.79			2,641 additional gallons from tank cleaning were disposed of on 10/25/04
11/1/2004	5,047	109,500		86	3.62		0.59	
11/8/2004	2,178	111,678		100	1.82		0.30	
11/16/2004	4,891	116,569		83	3.39		0.56	concentration based on 11/23/04 sample
11/29/2004	4,531	121,100		160	6.05		0.99	concentration based on 11/30/04 sample
12/13/2004	5,208	126,308		120	5.21		0.86	concentration based on 12/15/04 sample
12/27/2004	4,800	131,108		100	4.01		0.66	concentration based on 12/27/04 sample
1/17/2005	3,580	134,688		86	2.57		0.42	concentration based on 12/27/05 sample

**TOTALS 134,688**

(gallons) Total Estimate d Volume of Liquid Removed

**107.5 1,982.1 17.2**

(pounds) Total estimated mass based on dissolved TPHg concentrations (gallons) Total Estimated Volume accounted for as liquid SPH (gallons) Total estimated equivalent volume based on dissolved TPHg concentrations

**NOTES:**

Mass removal values are approximate only.

Pounds of TPHg/benzene/MTBE removal based on the calculation: (TPHg/benzene/MTBE concentration\* (ppb)) x gallons pumped x (8.3x10<sup>-9</sup> (liters/galxppounds/ug))

**ATTACHMENT A**

**Blaine Monitoring Reports**

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**BLAINE**  
**TECH SERVICES** INC.

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GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985

January 11, 2004

Karen Petryna  
Shell Oil Products US  
20945 South Wilmington Avenue  
Carson, CA 90810

Fourth Quarter 2004 Groundwater Monitoring at  
Shell-branded Service Station  
1601 Webster Street  
Alameda, CA

Monitoring performed on November 23, December 1, 7,  
15, 23, 27, 2004

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Groundwater Monitoring Report **041227-MD-3**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field

personnel are also enrolled in annual eight-hour refresher courses. 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,

Leon Gearhart  
Project Coordinator

LG/ks

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

cc: Anni Kreml  
Cambria Environmental Technology, Inc.  
5900 Hollis St., Suite A  
Emeryville, CA 94608



**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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TBW-E	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.31	NA
TBW-E	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.01	NA
TBW-E	12/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.32	NA
TBW-E	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.55	NA
TBW-E	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.95	NA
TBW-E	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.47	NA

TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	<400	<400	<400	1,300	<10,000	<100	<100	NA	5.64	NA
TBW-N	12/01/2004	160,000	700	31,000	2,300	24,000	2,900	<400	<400	<400	1,200	<10,000	<100	<100	NA	6.35	NA
TBW-N	12/07/2004	130,000	590	29,000	2,300	24,000	2,700	<400	<400	<400	1,300	<10,000	<100	<100	NA	5.65	NA
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<400	<400	<400	<1,000	<10,000	<100	<100	NA	5.85	NA
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<400	<400	<400	<1,000	<10,000	<100	<100	NA	5.30	NA
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<400	<400	<400	<1,000	<10,000	<100	<100	NA	7.80	NA

TBW-S	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.18	NA
TBW-S	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.87	NA
TBW-S	12/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.15	NA
TBW-S	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.38	NA
TBW-S	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.81	NA
TBW-S	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.35	NA

TBW-W	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.14	NA
TBW-W	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.86	NA
TBW-W	12/07/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.13	NA
TBW-W	12/15/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.37	NA
TBW-W	12/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79	NA
TBW-W	12/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.32	NA

**WELL CONCENTRATIONS**  
**Shell Service Station**  
**1601 Webster Street**  
**Alameda, CA**

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

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 or tertiary butanol, analyzed by EPA Method 8260B

1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B

EDB = Ethylene Dibromide, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

Notes:

Ethanol analyzed by EPA Method 8260B.

## WELL GAUGING DATA

Project # 041123-PC2 Date 11/23/04 Client Shell

Site 1601 Webster St., Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or <del>TOB</del>	
TBW-E	4					6.31	-	TBC	
TBW-N	4					5.64	10.11	↓	
TBW-S	4					6.18	-		
TBW-W	4					6.14	-		

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>OU1123-PL2</u>	Site: <u>1601 Webster St, Alameda</u>
Sampler: <u>PC</u>	Date: <u>11/23/04</u>
Well I.D.: <u>TEL-E</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>-</u>	Depth to Water (DTW): <u>6.31</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PCG</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer      Water      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing  
 Other: \_\_\_\_\_

(Gals.) X _____ = _____ Gals.			
1 Case Volume	Specified Volumes	Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<u>NO SPH detected</u>			

Did well dewater?    Yes    No      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_      Sampling Time: \_\_\_\_\_      Depth to Water: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_      Laboratory: STL    Other: \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 041123-002	Site: 1601 Webster St., Alameda
Sampler: PC	Date: 11/23/04
Well I.D.: TBW-N	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 10.11	Depth to Water (DTW): 5.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.53	

Purge Method:  Bailer       Waterra      Sampling Method:  Bailer  
 Disposable Bailer       Peristaltic       Disposable Bailer  
 Positive Air Displacement       Extraction Pump       Extraction Port  
 Electric Submersible       Other \_\_\_\_\_       Dedicated Tubing

3 (Gals.) X	3	=	9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
1308	71.9	6.3	464	8	3	clear
1309	71.0	6.3	463	8	6	↓
1310	71.1	6.4	458	8	9	↓

Did well dewater? Yes  No  Gallons actually evacuated: 9

Sampling Date: 11/23/04      Sampling Time: 1316      Depth to Water: 5.72

Sample I.D.: TBW-N      Laboratory: STL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see coc

EB I.D. (if applicable): @ \_\_\_\_\_ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>041113-PC2</u>	Site: <u>1601 Webster St., Alameda</u>
Sampler: <u>PC</u>	Date: <u>11/23/04</u>
Well I.D.: <u>TBU-S</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>—</u>	Depth to Water (DTW): <u>6.18</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>EVO</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible

Waters  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method: Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

(Gals.) X _____ = _____ Gals.						
I Case Volume	Specified Volumes	Calculated Volume	Well Diameter	Multiplier	Well Diameter	Multiplier
			1"	0.04	4"	0.65
			2"	0.16	6"	1.47
			3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<u>NO SPH detected</u>			

Did well dewater?    Yes    No                      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_                      Sampling Time: \_\_\_\_\_                      Depth to Water: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_                      Laboratory:    STL    Other \_\_\_\_\_

Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time                      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>041123-PC2</u>	Site: <u>1601 Webster St., Alameda</u>
Sampler: <u>PC</u>	Date: <u>11/23/04</u>
Well I.D.: <u>TRW-U</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>-</u>	Depth to Water (DTW): <u>6.14</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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_____ (Gals.) X _____ = _____ Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> + 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> + 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> + 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<u>NO SPH detected</u>			

Did well dewater? Yes No	Gallons actually evacuated: _____
Sampling Date: _____	Sampling Time: _____
Sample I.D.: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: STL Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	
EB I.D. (if applicable): _____ @ _____ Time	Duplicate I.D. (if applicable): _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## WELL GAUGING DATA

Project # 041201-BA1 Date 12/1/04 Client Shell

Site 1601 Webster St, Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
TBW-N	4	No SPH Detected				6.35	10.62	TOC
TBW-E	4	No SPH Detected				7.01	9.44	↓
TBW-S	4	No SPH Detected				6.87	10.06	
TBW-W	4	No SPH Detected				6.86	10.57	



## SHELL WELL MONITORING DATA SHEET

BTS #: 04/201-BA1	Site: 1601 Webster, Alameda
Sampler: Brian Alcom	Date: 12/1/04
Well I.D.: TBW-E	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 9.44	Depth to Water (DTW): 7.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer  Disposable Bailer  Positive Air Displacement  Electric Submersible

Water  Peristaltic  Extraction Pump  Other \_\_\_\_\_

Sampling Method: Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing  Other \_\_\_\_\_

**Bail SPH**

_____ (Gals.) X _____	=	_____ Gals.
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						No SPH Detected

Did well dewater? Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Date: _____	Sampling Time: _____	Depth to Water: _____
Sample I.D.: _____	Laboratory: STL Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	@ _____ time Duplicate I.D. (if applicable): _____	
EB I.D. (if applicable): _____	Duplicate I.D. (if applicable): _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____		
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L	
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV	

**SHELL WELL MONITORING DATA SHEET**

BTS #: 041201-BA1	Site: 1601 Webster, <sup>Alyscota</sup> Oakland
Sampler: Brian Alcorn	Date: 12/1/04
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 10.62	Depth to Water (DTW): 6.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing  Other: _____
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$2.8 \text{ (Gals.)} \times 3 = 8.4 \text{ Gals.}$ I Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Well Diameter</th><th>Multiplier</th><th>Well Diameter</th><th>Multiplier</th></tr> </thead> <tbody> <tr> <td>1"</td><td>0.04</td><td>4"</td><td>0.65</td></tr> <tr> <td>2"</td><td>0.16</td><td>6"</td><td>1.47</td></tr> <tr> <td>3"</td><td>0.37</td><td>Other</td><td>radius<sup>2</sup> * 0.163</td></tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0914	63.4	6.3	867	51	3.0	clear, odor
0915	65.9	6.3	579	11	6.0	" "
0916	66.9	6.4	519	5	9.0	" "

Did well dewater? Yes  No

Gallons actually evacuated: 9.0

Sampling Date: 12/1/04      Sampling Time: 0920      Depth to Water: 6.35

Sample I.D.: TBW-N      Laboratory: (STI) Other \_\_\_\_\_

Analyzed for: TPH-G (BTEX) MTBE TPH-D Other: OxyS, 12DCA, KOB + Ethanol by 8260

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge: _____	mg/L	Post-purge: _____	mg/L
O.R.P. (if req'd):	Pre-purge: _____	mV	Post-purge: _____	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 0412DI-BA1	Site: 1601 Webster, Alameda
Sampler: Brian Alcorn	Date: 12/1/04
Well I.D.: TBW-S	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 10.06	Depth to Water (DTW): 6.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>RVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~      ~~Water~~ ~~Peristaltic~~ ~~Extraction Pump~~ Other \_\_\_\_\_      Sampling Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ Other: \_\_\_\_\_

Bail SPH

_____ (Gals.) X _____	=	_____ Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>No SPH Detected</u>						

Did well dewater?    Yes    No                      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_    Sampling Time: \_\_\_\_\_    Depth to Water: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_    Laboratory: STL    Other: \_\_\_\_\_

Analyzed for: ~~TPH-G~~ BTEX MTBE ~~TPH-D~~ Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time    Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: ~~TPH-G~~ BTEX MTBE ~~TPH-D~~ Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	_____ mg/L	Post-purge:	_____ mg/L
O.R.P. (if req'd):	Pre-purge:	_____ mV	Post-purge:	_____ mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 041201-3A1	Site: 1601 Webster, Alameda
Sampler: Brian Alcom	Date: 12/1/04
Well I.D.: TBW-W	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 10.57	Depth to Water (DTW): 6.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~      ~~Water~~ Peristaltic Extraction Pump      Other \_\_\_\_\_

Sampling Method: Bailer ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~      Other: \_\_\_\_\_

Bail SPH

\_\_\_\_\_ (Gals.) X \_\_\_\_\_ = \_\_\_\_\_ Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>No SPH Detected</u>						

Did well dewater?    Yes    No      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_      Sampling Time: \_\_\_\_\_      Depth to Water: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_      Laboratory: STL    Other \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G    BTEX    MTBE    TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## WELL GAUGING DATA

Project # 04120T-SS3 Date 12/7/04 Client 9756 4701

Site 1601 webster st. Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
TBW-E	4	NO SPH				6.32	9.57	 ↓
TBW-N	4	NO SPH				5.65	10.60	
TBW-S	4	NO SPH				6.15	10.10	
TBW-W	4	NO SPH				6.13	10.55	

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>041207-553</u>	Site: <u>97564701</u>
Sampler: <u>500ch</u>	Date: <u>12/7/04</u>
Well I.D.: <u>TBW-N</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>10.60</u>	Depth to Water (DTW): <u>5.65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.64</u>	

Purge Method: Bailer  Waterra  Sampling Method: Bailer  
 Disposable Bailer  Peristaltic  Disposable Bailer   
 Positive Air Displacement  Extraction Pump  Extraction Port   
 Electric Submersible  Other \_\_\_\_\_ Dedicated Tubing

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

3.2 (Gals.) X 3 = 9.6 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1432	66.8	7.0	460	128	3.2	clear w/ gas odor
1433	67.3	7.0	442	21	6.4	"
1434	67.4	7.0	436	11	10	"

Did well dewater? Yes  No  Gallons actually evacuated: 10

Sampling Date: 12/7/04 Sampling Time: 1438 Depth to Water: 5.65

Sample I.D.: TBW-N Laboratory: STL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See sample

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL GAUGING DATA

Project # 041215-BAL Date 12/15/01 Client Shell

Site 1601 Webster, Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
TBW-N	4		No SPH Detected			5.85	10.61	ToC
TBW-S	4		No SPH Detected			6.38	-	↓
TBW-E	4		No SPH Detected			6.55	-	
TBW-W	4		No SPH Detected			6.37	-	

## SHELL WELL MONITORING DATA SHEET

BTS #: 041215-BAZ	Site: Shell
Sampler: Brian Alcorn	Date: 12/15/04
Well I.D.: TBW-N	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 10.61	Depth to Water (DTW): 5.85
Depth to Free Product: <del>5</del>	Thickness of Free Product (feet): <del>5</del>
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer	Waterra	Sampling Method: Bailer
Disposible Bailer	Peristaltic	Disposible Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

Checked for SPH prior to sampling

$$3.0 \text{ (Gals.)} \times 3 = 9.0 \text{ Gals.}$$

1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1408	74.8	7.0	500	102	3.0	clear, strong odor
1409	71.3	6.7	448	27.9	6.0	" "
1410	69.8	6.5	443	14.1	9.0	" "

Did well dewater? Yes (No)      Gallons actually evacuated: 9.0

Sampling Date: 12/15/04      Sampling Time: 1412      Depth to Water: 5.85

Sample I.D.: TBW-N      Laboratory: STL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy, 1,2 DCA, EDB, Ethanol

EB I.D. (if applicable): @ Time      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd): Pre-purge:		mg/L	Post-purge:		mg/L
O.R.P. (if req'd): Pre-purge:		mV	Post-purge:		mV



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>041215-BAZ</u>	Site: <u>1601 Webster, Alameda</u>
Sampler: <u>Brian Alcorn</u>	Date: <u>12/15/04</u>
Well I.D.: <u>TBW-E</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u>    </u>
Total Well Depth (TD): <u>    </u>	Depth to Water (DTW): <u>6.55</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~      ~~Water~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other~~      Sampling Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ ~~Other~~

Bail SPH

(Gals.) X \_\_\_\_\_ = \_\_\_\_\_ Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>No SPH Detected</u>						

Did well dewater?    Yes    No      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: \_\_\_\_\_      Sampling Time: \_\_\_\_\_      Depth to Water: \_\_\_\_\_

Sample I.D.: \_\_\_\_\_      Laboratory: STL    Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D    Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D    Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 041215-BAZ	Site: 1601 Webster, Alameda
Sampler: Brian Alcom	Date: 12/15/04
Well I.D.: TBW-S	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): —	Depth to Water (DTW): 6.38
Depth to Free Product: <del>φ</del>	Thickness of Free Product (feet): <del>φ</del>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Water~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other~~      Sampling Method: ~~Bailer~~ ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~      Other: \_\_\_\_\_

Bail SPH

(Gals.) X \_\_\_\_\_ = \_\_\_\_\_ Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> + 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>No SPH Detected</u>						

Did well dewater? Yes  No       Gallons actually evacuated: \_\_\_\_\_

Sampling Date: 12/15/04      Sampling Time: \_\_\_\_\_      Depth to Water: \_\_\_\_\_

Sample I.D.: T      Laboratory: STL      Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: \_\_\_\_\_

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time      Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D      Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

## SHELL WELL MONITORING DATA SHEET

BTS #: 041215-BAZ	Site: 1601 Webster, Alameda
Sampler: Brian Alcom	Date: 12/15/04
Well I.D.: TBW-W	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): —	Depth to Water (DTW): 6.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Positive Air Displacement</del> <del>Electric Submersible</del>	Water: <del>Peristaltic</del> <del>Extraction Pump</del> Other:	Sampling Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Extraction Port</del> <del>Dedicated Tubing</del> Other:
--	---	---

Bail SPH

_____ (Gals.) X _____ = _____ Gals. 1 Case Volume      Specified Volumes      Calculated Volume	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>No SPH Detected</u>						

Did well dewater?    Yes    No                      Gallons actually evacuated:

Sampling Date:                      Sampling Time:                      Depth to Water:

Sample I.D.:                                      Laboratory:    STL    Other \_\_\_\_\_

Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other:

EB I.D. (if applicable):                      @ \_\_\_\_\_ Time                      Duplicate I.D. (if applicable):

Analyzed for:    TPH-G    BTEX    MTBE    TPH-D    Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL GAUGING DATA

Project # 041223-M02 ~~97564701~~ Date 12/23/04 Client 97564701

Site 1601 Webster St, Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
TBW-E	4	*				5.95	9.43	
TBW-N	4	*				5.30	10.68	
TBW-S	4	*				5.81	9.99	
TBW-W	4	*				5.79	10.69	4
		* No SPH detected						

## SHELL WELL MONITORING DATA SHEET

BTS #: 041223-MW2	Site: 97564701
Sampler: MW	Date: 12/23/04
Well I.D.: TBW-N	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 10.68	Depth to Water (DTW): 5.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.38	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	--	--

$3.5 \text{ (Gals.)} \times 3 = 10.5 \text{ Gals.}$ 1 Case Volume      Specified Volumes      Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <del>µS</del> )	Turbidity (NTUs)	Gals. Removed	Observations
1313	69.7	7.0	466	91	3.5	clear, odor
1314	64.9	6.6	464	36	7	"
1315	64.9	6.5	464	15	10.5	clear, odor

Did well dewater? Yes  No  Gallons actually evacuated: 10.5

Sampling Date: 12/23/04 Sampling Time: 13 Depth to Water: 5.23

Sample I.D.: ~~FW~~ TBW-N Laboratory: STL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

EB I.D. (if applicable): @ \_\_\_\_\_ Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

**Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558**

# WELL GAUGING DATA

Project # 01227-M03 Date 12/27/04 Client Shell

Site 1601 Webster St., Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
TBW-W	4	*				8.32	—	↓
TBW-S	4	*				8.35	—	
TBW-E	4	*				8.47	—	
TBW-N	4	*				7.80	10.63	
		* gauged all wells with interface probe						

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>01227-M03</u>	Site: <u>97564701</u>
Sampler: <u>MW</u>	Date: <u>12/27/04</u>
Well I.D.: <u>TBW-N</u>	Well Diameter: 2 3 <input checked="" type="radio"/> 6 8
Total Well Depth (TD): <u>10.63</u>	Depth to Water (DTW): <u>7.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>8.37</u>	

Purge Method: Bailer      Waterra      Sampling Method: Bailer  
 Disposable Bailer      Peristaltic      Disposable Bailer  
 Positive Air Displacement      Extraction Pump      Extraction Port  
 Electric Submersible      Other \_\_\_\_\_      Dedicated Tubing

Other: \_\_\_\_\_

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> + 0.163

1.9 (Gals.) X 3 = 5.7 Gals.  
 I Case Volume      Specified Volumes      Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1605	17.2	6.4	561	621	<del>1.5</del> 2	cloudy, color
1606	17.5	6.4	553	750	4	
1607	17.7	6.4	548	648	6	cloudy, color

Did well dewater? Yes  No      Gallons actually evacuated: 6

Sampling Date: 12/27/04      Sampling Time: 1620      Depth to Water: 8.37

Sample I.D.: TBW-N      Laboratory:  TL Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Sample

EB I.D. (if applicable): @ \_\_\_\_\_      Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

**Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558**

# WELL GAUGING DATA

Project # 050117-DW-1 Date 1-17-05 Client Shell

Site 1601 Webster St. Alameda

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
TBW-N	4					6.59	10.70	TOC	



## SHELL WELL MONITORING DATA SHEET

BTS #: <u>050117-DW-1</u>	Site: <u>1601 Webster St.</u>
Sampler: <u>DW</u>	Date: <u>1-17-05</u>
Well I.D.: <u>TBW-N</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>10.70</u>	Depth to Water (DTW): <u>6.59</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>7.41</u>	

Purge Method: Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible

Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:  Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing

Other: \_\_\_\_\_

2.7 (Gals.) X 3 = 8.1 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>9:21</u>	<u>58.8</u>	<u>6.7</u>	<u>530</u>	<u>17</u>	<u>2.7</u>	
<u>9:22</u>	<u>60.0</u>	<u>6.6</u>	<u>519</u>	<u>9</u>	<u>5.4</u>	
<u>9:23</u>	<u>60.6</u>	<u>6.5</u>	<u>514</u>	<u>6</u>	<u>8.1</u>	

Did well dewater? Yes  No  Gallons actually evacuated: 8.1

Sampling Date: 1-17-05 Sampling Time: 9:28 Depth to Water: 6.60

Sample I.D.: TBW-N Laboratory: FT Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

**Attachment B**

**GWE Sampling Analytical Laboratory Reports**

**Cambria Environmental Emeryville**

August 31, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 08/26/2004 15:55

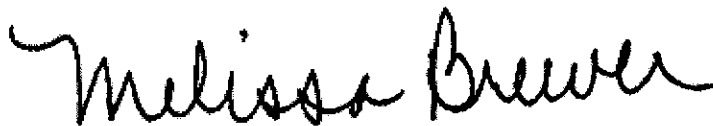
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/10/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/26/2004 15:55

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	08/26/2004 07:15	Water	1

Severn Trent Laboratories, Inc.

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

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

08/31/2004 10:32

Page 1 of 5

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/26/2004 15:55

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TBW Lab ID: 2004-08-0699 - 1  
 Sampled: 08/26/2004 07:15 Extracted: 8/30/2004 22:16  
 Matrix: Water QC Batch#: 2004/08/30-2F.64

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	82000	10000	ug/L	200.00	08/30/2004 22:16	
Benzene	1600	100	ug/L	200.00	08/30/2004 22:16	
Toluene	17000	100	ug/L	200.00	08/30/2004 22:16	
Ethylbenzene	1800	100	ug/L	200.00	08/30/2004 22:16	
Total xylenes	11000	200	ug/L	200.00	08/30/2004 22:16	
Methyl tert-butyl ether (MTBE)	ND	1000	ug/L	200.00	08/30/2004 22:16	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	128.9	76-130	%	200.00	08/30/2004 22:16	
Toluene-d8	110.4	78-115	%	200.00	08/30/2004 22:16	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/26/2004 15:55

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/08/30-2F.64-004

Water

Test(s): 8260B

QC Batch # 2004/08/30-2F.64

Date Extracted: 08/30/2004 17:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/30/2004 17:04	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	08/30/2004 17:04	
Benzene	ND	0.5	ug/L	08/30/2004 17:04	
Toluene	ND	0.5	ug/L	08/30/2004 17:04	
Ethylbenzene	ND	0.5	ug/L	08/30/2004 17:04	
Total xylenes	ND	1.0	ug/L	08/30/2004 17:04	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	116.6	76-130	%	08/30/2004 17:04	
Toluene-d8	106.6	78-115	%	08/30/2004 17:04	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/26/2004 15:55

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/08/30-2F.64**

LCS 2004/08/30-2F.64-006

Extracted: 08/31/2004

Analyzed: 08/31/2004 03:06

LCSD 2004/08/30-2F.64-049

Extracted: 08/30/2004

Analyzed: 08/30/2004 17:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	30.3	30.8	25	121.2	123.2	1.6	65-165	20		
Benzene	30.3	29.8	25	121.2	119.2	1.7	69-129	20		
Toluene	30.5	28.7	25	122.0	114.8	6.1	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	563	574	500	112.6	114.8		76-130			
Toluene-d8	547	531	500	109.4	106.2		78-115			

Severn Trent Laboratories, Inc.

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

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

08/31/2004 10:32

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/26/2004 15:55

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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



2004-08-0699

SHELL Chain Of Custody Record

90408

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CBMT HOUSTON

Karen Peirya

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/26/04

PAGE 1 of 1

<b>CLIENT COMPANY</b> Cambria Environmental Technology, Inc.	<b>LOG CODE</b> CETS	<b>SITE ADDRESS (Street and City)</b> 1601 Webster, Alameda, CA	<b>CLIENT ID NO.</b>
<b>ADDRESS</b> 6900 Hollis Street, Suite A, Emeryville, CA 94608	<b>EDT DELIVERABLE TO (Responsible Party (Designer))</b> Matt Derby	<b>PHONE NO.</b> 510-420-3334	<b>CONTACT PROJECT NO.</b> 206-0467-004
<b>PROJECT CONTACT (Preparer or POC Report to)</b> Matt Derby	<b>TELEPHONE:</b> 510-420-3332	<b>FAX:</b> 510-420-9170	<b>EMAIL:</b> mderby@cametec.com
<b>TURNAROUND TIME (BUSINESS DAYS)</b> <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 22 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> (LESS THAN 24 HOURS)	<b>LAB USE ONLY</b>		

**REQUESTED ANALYSIS**

LA - SWYCE REPORT FORMAT  LIST AGENCY: \_\_\_\_\_  
 DCAMS METE CONFIRMATION HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ AS L \_\_\_\_\_  
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF ADD IS NOT NEEDED

TPH - Pulpable	TPH - Extractable (0.15m)	BTEX	MTBE (50 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	CAMP7 <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes  5 GC
----------------	---------------------------	------	------------------	-----	--------------	-----------------	---------	----------	--------------	-------------------------	--	---	---	-------------------	--

LAB USE ONLY	Field Sample Identification				SAMPLING		MATRIX	NO. OF CONT.	TPH - Pulpable	TPH - Extractable (0.15m)	BTEX	MTBE (50 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	CAMP7 <input type="checkbox"/> Total <input type="checkbox"/> PLU <input type="checkbox"/> TELP	Test for Disposal	TEMPERATURE ON RECEIPT °C
	DATE	TIME	DATE	TIME																				
	TBW	8/26	7:15	AO	5	X		X	X															VOAs w/HCI

**RUSH**

Released by (Signature) 	Received by (Signature) Secure location	Date 8/26/04	Time 1:45
Released by (Signature) 	Received by (Signature) 	Date 8/26/04	Time 1555
Released by (Signature) 	Received by (Signature) 	Date 8/26/04	Time 1736

GWA Sample 1749 8/26/04

**Cambria Environmental Emeryville**

September 02, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 08/30/2004 13:00

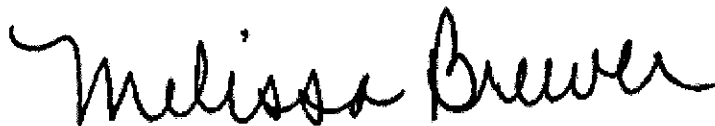
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/14/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	08/30/2004 07:15	Water	1

Severn Trent Laboratories, Inc.

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

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

09/02/2004 12:31

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW** Lab ID: 2004-08-0784 - 1  
 Sampled: 08/30/2004 07:15 Extracted: 9/2/2004 10:55  
 Matrix: Water QC Batch#: 2004/09/02-1A.68  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	91000	10000	ug/L	200.00	09/02/2004 10:55	
Benzene	2400	100	ug/L	200.00	09/02/2004 10:55	
Toluene	25000	100	ug/L	200.00	09/02/2004 10:55	
Ethylbenzene	2300	100	ug/L	200.00	09/02/2004 10:55	
Total xylenes	15000	200	ug/L	200.00	09/02/2004 10:55	
Methyl tert-butyl ether (MTBE)	ND	1000	ug/L	200.00	09/02/2004 10:55	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.2	76-130	%	200.00	09/02/2004 10:55	
Toluene-d8	98.2	78-115	%	200.00	09/02/2004 10:55	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/09/02-1A.68-021

**Water**

Test(s): 8260B

**QC Batch # 2004/09/02-1A.68**

Date Extracted: 09/02/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/02/2004 07:21	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/02/2004 07:21	
Benzene	ND	0.5	ug/L	09/02/2004 07:21	
Toluene	ND	0.5	ug/L	09/02/2004 07:21	
Ethylbenzene	ND	0.5	ug/L	09/02/2004 07:21	
Total xylenes	ND	1.0	ug/L	09/02/2004 07:21	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.2	76-130	%	09/02/2004 07:21	
Toluene-d8	99.2	78-115	%	09/02/2004 07:21	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 08/30/2004 13:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/02-1A.68**

LCS 2004/09/02-1A.68-042

Extracted: 09/02/2004

Analyzed: 09/02/2004 06:42

LCSD 2004/09/02-1A.68-008

Extracted: 09/02/2004

Analyzed: 09/02/2004 08:08

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.8	26.1	25	103.2	104.4	1.2	65-165	20		
Benzene	22.9	21.4	25	91.6	85.6	6.8	69-129	20		
Toluene	22.6	22.8	25	90.4	91.2	0.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	475	488	500	95.0	97.6		76-130			
Toluene-d8	499	468	500	99.8	93.6		78-115			

Sewern Trent Laboratories, Inc.

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

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

09/02/2004 12:31

Page 4 of 5

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

STL-San Francisco

2004-08-0784

HELL Chain Of Custody Record

90487

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Patryno

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP of CRMT NUMBER (TS/CRMT)

DATE 8/30/04

PAGE 1 of 1

SAMPLER COMPANY: Cambria Environmental Technology, Inc.		LOG CODE: GETS	SITE ADDRESS (Street and City): 1601 Webster, Alameda, CA		OSWALD NO.:
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		SAP OPERABLE TO (Responsible Party or Employee): Matt Derby		PHONE NO.:	510-420-3332
PROJECT CONTACT (Name and Title): Matt Derby		SAMPLER NAME (SAP): Trey Jackson		EMAIL:	mmderby@cambriatech.com
TELEPHONE: 610-420-3332	FAX: 510-420-9170	EMAIL: mderby@cambriatech.com		CONSULTANT PROJECT NO.:	208-0467-004

TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS																		
<input type="checkbox"/> LA - RWQCR REPORT FORMAT <input type="checkbox"/> DST AGENCY:		<table border="1"> <tr> <td>TPH - Purgeable</td> <td>TPH - Extractable (90-15m)</td> <td>STEX</td> <td>MTBE (5.0 ppb DL)</td> <td>TBA</td> <td>5 Oxygenates</td> <td>1,2 DCA and EDB</td> <td>Ethanol</td> <td>Methanol</td> <td>VOCs by 8261B</td> <td>Semi-Volatiles by 8270C</td> <td>Lead <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP</td> <td>LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP</td> <td>CAAM7 <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP</td> <td>Test for Disposal</td> </tr> </table>				TPH - Purgeable	TPH - Extractable (90-15m)	STEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8261B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	CAAM7 <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	Test for Disposal
TPH - Purgeable	TPH - Extractable (90-15m)					STEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8261B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	CAAM7 <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	Test for Disposal		
GCMS (MTE CONFIRMATION): HIGHEST _____ HIGHEST per BORING _____ ALL _____																				
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>																				

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (90-15m)	STEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8261B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	CAAM7 <input type="checkbox"/> Total <input type="checkbox"/> STLE <input type="checkbox"/> TOLP	Test for Disposal	FIELD NOTES:	
		DATE	TIME																		TEMPERATURE ON RECEIPT (°C)	
	TBW	8/30	7:45	AQ	5	X		X	X													Container/Preservative or PID Readings or Laboratory Notes
																						VOAs w/HCI

RUSH

Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>secured location</i>	Date: 8/30/04	Time: 12:25
Requested by (Signature): <i>Shelley Phonyon</i>	Received by (Signature): <i>[Signature]</i>	Date: 8.30.04	Time: 1300
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 8.30.04	Time: 1716



**Cambria Environmental Emeryville**

September 07, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster St., Alameda

Dear Mr. Dalie:

Attached is our report for your samples received on 09/01/2004 16:30

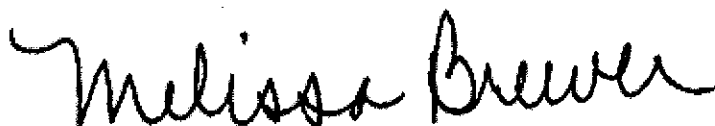
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/16/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 206-0467-004

98995139

Received: 09/01/2004 16:30

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/01/2004 07:45	Water	1

Severn Trent Laboratories, Inc.

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

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

09/07/2004 15:40

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 206-0467-004

98995139

Received: 09/01/2004 16:30

Site: 1601 Webster St., Alameda

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW** Lab ID: 2004-09-0042 - 1  
 Sampled: 09/01/2004 07:45 Extracted: 9/7/2004 15:13  
 Matrix: Water QC Batch#: 2004/09/07-1B.62  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	110000	25000	ug/L	500.00	09/07/2004 15:13	
Benzene	2400	250	ug/L	500.00	09/07/2004 15:13	
Toluene	26000	250	ug/L	500.00	09/07/2004 15:13	
Ethylbenzene	2000	250	ug/L	500.00	09/07/2004 15:13	
Total xylenes	14000	500	ug/L	500.00	09/07/2004 15:13	
Methyl tert-butyl ether (MTBE)	1100	250	ug/L	500.00	09/07/2004 15:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	93.6	76-130	%	500.00	09/07/2004 15:13	
Toluene-d8	101.0	78-115	%	500.00	09/07/2004 15:13	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 206-0467-004

98995139

Received: 09/01/2004 16:30

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/07-1B.62-031

Water

Test(s): 8260B

QC Batch # 2004/09/07-1B.62

Date Extracted: 09/07/2004 09:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/07/2004 09:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/07/2004 09:31	
Benzene	ND	0.5	ug/L	09/07/2004 09:31	
Toluene	ND	0.5	ug/L	09/07/2004 09:31	
Ethylbenzene	ND	0.5	ug/L	09/07/2004 09:31	
Total xylenes	ND	1.0	ug/L	09/07/2004 09:31	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.6	76-130	%	09/07/2004 09:31	
Toluene-d8	107.8	78-115	%	09/07/2004 09:31	

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

Cambria Environmental Emeryville  
Attn.: Stu Dalie

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

Project: 206-0467-004  
98995139

Received: 09/01/2004 16:30

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/07-1B.62**

LCS 2004/09/07-1B.62-046

Extracted: 09/07/2004

Analyzed: 09/07/2004 08:46

LCSD 2004/09/07-1B.62-008

Extracted: 09/07/2004

Analyzed: 09/07/2004 09:08

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.9	25.5	25	115.6	102.0	12.5	65-165	20		
Benzene	22.0	23.8	25	88.0	95.2	7.9	69-129	20		
Toluene	25.1	27.7	25	100.4	110.8	9.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	461	441	500	92.2	88.2		76-130			
Toluene-d8	522	558	500	104.4	111.6		78-115			

Severn Trent Laboratories, Inc.

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

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

09/07/2004 15:40

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 206-0467-004

98995139

Received: 09/01/2004 16:30

Site: 1601 Webster St., Alameda

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**Legend and Notes**

---

**Analysis Flag**

o

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

Date Modification (if necessary)

Address: 1220 Quail Lane

City, State, Zip: Pleasanton CA, 94566

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

DATE: 9/1/04

SAP or CRMT NUMBER (YS/CRMT)

1 3 6 0 3 1

Page 1 of 1

90568

SAMPLING COMPANY: <b>Cambria Environmental</b>		LOG CODE: <b>CETO</b>	SITE ADDRESS (Street and City): <b>1601 Webster Street, Alameda</b>		FEDERAL ID NO.
ADDRESS: <b>5000 Hoffis St. Ste A, Emeryville, CA</b>		EPA DELIVERABLE TO (Responsible Party or Designee): <b>shellbackand@camcambria-env.com</b>		PHONE NO.: <b>510-420-3339</b>	E-MAIL: <b>sdalle@camcambria-env.com</b>
PROJECT CONTRACT # (Include or PDF Keyword) <b>Stu Dalle</b>		CONSULTANT PROJECT #: <b>206-0467-004</b>		LAB USE ONLY:	
TELEPHONE: <b>510-420-33324</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>sdalle@camcambria-env.com</b>			

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

LA - RWQCS REPORT FORM  UST AGENCY: \_\_\_\_\_

OCMS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

Please cc results to sdalle@camcambria-env.com ; and mderby@camcambria-env.com

REQUESTED ANALYSIS

TPH - Gas, Purgeable	TPH, d, na	MTBE (8260B - 0.5ppb RL)	Fuel oxygenates 8260 SEE NOTES	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (9160B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX + MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3418m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B - _____)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
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ON ICE Field point ID

LA / US	Field Sample Identification					TPH - Gas, Purgeable	BTEX	TPH, d, na	MTBE (8260B - 0.5ppb RL)	Fuel oxygenates 8260 SEE NOTES	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (9160B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX + MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3418m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B - _____)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT:
	DATE	TIME	MATRIX	NO. OF CONT.																					
	TBW	9/1/04	7:45	H2O	5 vials	X	X	X																	6

**RUSH**

Requisitioned by (Signature):	Received by (Signature):	Date: 9/1/04	Time: 9:00 A.M.
Requisitioned by (Signature):	Received by (Signature):	Date: 09-01-04	Time: 1030
Requisitioned by (Signature):	Received by (Signature):	Date: 09-01-04	Time: 1750

**Cambria Environmental Emeryville**

September 02, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster , Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 08/30/2004 13:00

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 10/14/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 08/30/2004 13:00

Site: 1601 Webster , Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	08/28/2004 09:00	Water	1

Severn Trent Laboratories, Inc.

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

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

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 08/30/2004 13:00

Site: 1601 Webster , Alameda, CA

---

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW</b>	Lab ID: 2004-08-0785 - 1
Sampled: 08/28/2004 09:00	Extracted: 9/2/2004 12:11
Matrix: Water	QC Batch#: 2004/09/02-1B.68

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	100000	10000	ug/L	200.00	09/02/2004 12:11	
Benzene	2700	100	ug/L	200.00	09/02/2004 12:11	
Toluene	29000	100	ug/L	200.00	09/02/2004 12:11	
Ethylbenzene	2900	100	ug/L	200.00	09/02/2004 12:11	
Total xylenes	19000	200	ug/L	200.00	09/02/2004 12:11	
Methyl tert-butyl ether (MTBE)	ND	1000	ug/L	200.00	09/02/2004 12:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.1	76-130	%	200.00	09/02/2004 12:11	
Toluene-d8	103.9	78-115	%	200.00	09/02/2004 12:11	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566  
Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

09/02/2004 13:11

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster , Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/02-1B.68-021

Water

Test(s): 8260B

QC Batch # 2004/09/02-1B.68

Date Extracted: 09/02/2004 07:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/02/2004 07:21	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/02/2004 07:21	
Benzene	ND	0.5	ug/L	09/02/2004 07:21	
Toluene	ND	0.5	ug/L	09/02/2004 07:21	
Ethylbenzene	ND	0.5	ug/L	09/02/2004 07:21	
Total xylenes	ND	1.0	ug/L	09/02/2004 07:21	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.2	76-130	%	09/02/2004 07:21	
Toluene-d8	99.2	78-115	%	09/02/2004 07:21	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster , Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/02-1B.68**

LCS 2004/09/02-1B.68-042

Extracted: 09/02/2004

Analyzed: 09/02/2004 06:42

LCSD 2004/09/02-1B.68-008

Extracted: 09/02/2004

Analyzed: 09/02/2004 08:08

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.8	26.1	25	103.2	104.4	1.2	65-165	20		
Benzene	22.9	21.4	25	91.6	85.6	6.8	69-129	20		
Toluene	22.6	22.8	25	90.4	91.2	0.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	475	488	500	95.0	97.6		76-130			
Toluene-d8	499	468	500	99.8	93.6		78-115			

Severn Trent Laboratories, Inc.

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

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

09/02/2004 13:11

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 08/30/2004 13:00

Site: 1601 Webster , Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1098 fax

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- GINT HISTORY

Karen Patryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAR or CRMT NUMBER (TS/CRMT)

DATE 8/28/04

PAGE 1 of 1

SAMPLING ENTITY Cambria Environmental Technology, Inc.		LAB CODE CETS	SITE ADDRESS (Street and City) 1601 Webster, Alameda, CA		LABORATORY ALBANY, OHIO
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA 94608		REP DELIVERABLE TO (Responsibility Party or Customer) Milt Derby	PHONE NO. 510-420-3334	EMAIL mderby@cambria.com	CONTACT PERSON PROJECT NO. 705-0467-004
PROJECT CONTACT (Agency or REP Representative) Milt Derby		LABORATORY NAME (S&E) S&E		LAB USE ONLY	
TELEPHONE 510-420-3332	FAX 510-420-9170	EMAIL mderby@cambria.com			

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

LA - SWOCC REPORT (GEMM)  MET AGENCY

GDMS MTBE CONFIRMATION - HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

cc. results to mderby@cambria.com - eww.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (30/15m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 DAVENPATES	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 136GB	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Tolu <input type="checkbox"/> SILE <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	Test for Disposal	FIELD NOTES: Certified/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																			
	TBW	8/28/04	9:45 AM	W20 AC	7	X		X	X													TEMPERATURE ON RECEIPT: 5cc
																						VOCs w/HC1

RUSH

Requested by (Signature) <i>Shelley Thompson</i>	Received by (Signature) <i>Shelley Thompson</i>	Date 8/30/04	Time 17:5 pm
Requested by (Signature) <i>Shelley Thompson</i>	Received by (Signature) <i>Shelley Thompson</i>	Date 8/30/04	Time 17:10

DISTRIBUTION: White with Submittal, Green to File, Yellow and Pink to Client  
C:\Documents and Settings\jackson\Desktop\Site Shell\culty\Webster\Temp GWVE COCs.xls\INF Monthly

10/15/03 (24) Revision  
2/19/04 (24) Revision

040 Sample 1744-246-2793

**Cambria Environmental Emeryville**

September 09, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/03/2004 12:30

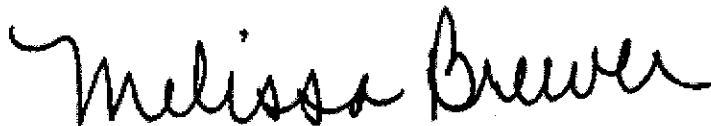
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/18/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/03/2004 12:30

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/03/2004 07:00	Water	1

Severn Trent Laboratories, Inc.

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

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

09/09/2004 11:55

Page 1 of 5



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/03/2004 12:30

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	TBW	Lab ID:	2004-09-0129 - 1
Sampled:	09/03/2004 07:00	Extracted:	9/8/2004 20:45
Matrix:	Water	QC Batch#:	2004/09/08-2A.62

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	99000	25000	ug/L	500.00	09/08/2004 20:45	
Benzene	1300	250	ug/L	500.00	09/08/2004 20:45	
Toluene	20000	250	ug/L	500.00	09/08/2004 20:45	
Ethylbenzene	1600	250	ug/L	500.00	09/08/2004 20:45	
Total xylenes	16000	500	ug/L	500.00	09/08/2004 20:45	
Methyl tert-butyl ether (MTBE)	ND	2500	ug/L	500.00	09/08/2004 20:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.1	76-130	%	500.00	09/08/2004 20:45	
Toluene-d8	98.6	78-115	%	500.00	09/08/2004 20:45	

Severn Trent Laboratories, Inc.

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

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

09/09/2004 11:55

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/03/2004 12:30

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/08-2A.62-055

Water

Test(s): 8260B

QC Batch # 2004/09/08-2A.62

Date Extracted: 09/08/2004 19:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 19:55	
Benzene	ND	0.5	ug/L	09/08/2004 19:55	
Toluene	ND	0.5	ug/L	09/08/2004 19:55	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 19:55	
Total xylenes	ND	1.0	ug/L	09/08/2004 19:55	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/08/2004 19:55	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	94.0	76-130	%	09/08/2004 19:55	
Toluene-d8	110.2	78-115	%	09/08/2004 19:55	

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/03/2004 12:30

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/08-2A.62**

LCS 2004/09/08-2A.62-010

Extracted: 09/08/2004

Analyzed: 09/08/2004 19:10

LCSD 2004/09/08-2A.62-033

Extracted: 09/08/2004

Analyzed: 09/08/2004 19:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	23.9	26.6	25	95.6	106.4	10.7	69-129	20		
Toluene	26.1	30.4	25	104.4	121.6	15.2	70-130	20		
Methyl tert-butyl ether (MTBE)	32.3	27.0	25	129.2	108.0	17.9	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	453	459	500	90.6	91.8		76-130			
Toluene-d8	495	536	500	99.0	107.2		78-115			

Severn Trent Laboratories, Inc.

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

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

09/09/2004 11:55

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/03/2004 12:30

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

Severn Trent Laboratories, Inc.

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

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

09/09/2004 11:55

Page 5 of 5

STL-San Francisco

# SHELL Chain Of Custody Record

88568

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1086 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

## 2004-09-0129

Karen Polynia

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (S/CRMT)

DATE 9/3/04

PAGE 1 of 1

CAMPUS COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LOG CODE: <b>CETS</b>	SITE ADDRESS (Street and City): <b>1601 Webster, Alameda, CA</b>		IN CONT. NO.
TECHNICAL: <b>6900 Hollis Street, Suite A, Emeryville, CA 94608</b>		PROJECT CONTACT (Name and Phone): <b>Matt Derby</b>		PHONE NO. <b>510-420-3332</b>	E-MAIL: <b>mderby@cambria-env.com</b>
PROJECT CONTACT (if necessary, if not present): <b>Matt Derby</b>		SAMPLE NUMBER (if any): <b>Trey Jackson</b>		CROSS-TAKE PROJECT NO. <b>205-0467-004</b>	
TELEPHONE: <b>510-420-3332</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>mderby@cambria-env.com</b>		LAB USE ONLY	

FORWARDING TIME (BUSINESS DAYS):  
 10 DAYS  5 DAY  2 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

### REQUESTED ANALYSIS

<input type="checkbox"/> LA - EWING REPORT FORMAT	<input type="checkbox"/> USE AGENCY:													
GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BOBING _____ ALL _____														
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED <input type="checkbox"/>														
TPH - Purgeable	TPH - Extractable (SD 15m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCA by 826B	Semi-volatiles by 8270C	Lead <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	CAMPY <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	Test for Disposal

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

4°C

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (SD 15m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCA by 826B	Semi-volatiles by 8270C	Lead <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	CAMPY <input type="checkbox"/> Soil <input type="checkbox"/> SLIC <input type="checkbox"/> TELP	Test for Disposal	TEMPERATURE ON RECEIPT (C)	
		DATE	TIME																		VOAs w/HCI	
	TBW	9/3/04	7:00	AO	5	X	X	X	X													

# RUSH

Released by (Signature): <i>Tracy Jackson</i>	Received by (Signature): <i>secured location</i>	Date: 9-3-04	Time: 10:50
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9-3-04	Time: 12:30
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Neuse Harrington / STL-SF</i>	Date: 9-3-04	Time: 1920

**Cambria Environmental Emeryville**

September 10, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/07/2004 15:00

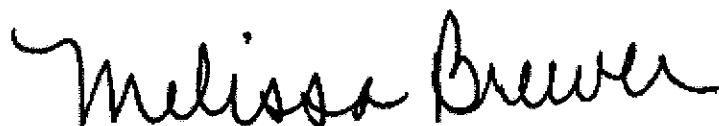
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/22/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/05/2004 08:55	Water	1

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:32

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
Sample ID: **TBW** Lab ID: 2004-09-0198 - 1  
Sampled: 09/05/2004 08:55 Extracted: 9/10/2004 09:12  
Matrix: Water QC Batch#: 2004/09/10-1A.64  
Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	66000	25000	ug/L	500.00	09/10/2004 09:12	
Benzene	1000	250	ug/L	500.00	09/10/2004 09:12	
Toluene	14000	250	ug/L	500.00	09/10/2004 09:12	
Ethylbenzene	1000	250	ug/L	500.00	09/10/2004 09:12	
Total xylenes	11000	500	ug/L	500.00	09/10/2004 09:12	
Methyl tert-butyl ether (MTBE)	ND	2500	ug/L	500.00	09/10/2004 09:12	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.7	76-130	%	500.00	09/10/2004 09:12	
Toluene-d8	103.5	78-115	%	500.00	09/10/2004 09:12	

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:32

Page 2 of 5



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/09/10-1A.64-036

**Water**

Test(s): 8260B

**QC Batch # 2004/09/10-1A.64**

Date Extracted: 09/10/2004 07:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/10/2004 07:36	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/10/2004 07:36	
Benzene	ND	0.5	ug/L	09/10/2004 07:36	
Toluene	ND	0.5	ug/L	09/10/2004 07:36	
Ethylbenzene	ND	0.5	ug/L	09/10/2004 07:36	
Total xylenes	ND	1.0	ug/L	09/10/2004 07:36	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.0	76-130	%	09/10/2004 07:36	
Toluene-d8	101.6	78-115	%	09/10/2004 07:36	

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:32

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/10-1A.64**

LCS 2004/09/10-1A.64-051

Extracted: 09/10/2004

Analyzed: 09/10/2004 06:51

LCSD 2004/09/10-1A.64-014

Extracted: 09/10/2004

Analyzed: 09/10/2004 07:14

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3	22.9	25	93.2	91.6	1.7	65-165	20		
Benzene	26.1	24.9	25	104.4	99.6	4.7	69-129	20		
Toluene	26.3	25.6	25	105.2	102.4	2.7	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	489	497	500	97.8	99.4		76-130			
Toluene-d8	521	535	500	104.2	107.0		78-115			

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:32

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:32

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1918 (925) 484-1096 fax

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CLIENT INTERIOR

Karen Polynski

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9/15/04

PAGE: 1 of 1

COMPANY NAME Cambria Environmental Technology, Inc.		LOG CODE CETS		SITE ADDRESS (Street and City) 1601 Webster, Alameda, CA				DELETED NO.															
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA 94608		CITY, DEPARTMENT, TO (Responsible Party or Designer) Matt Derby		PHONE NO. 510-420-3332		E-MAIL MattDerby@ce-tech.com		LONGEST AGED PROJECT NO. 208-0467-104															
PROJECT CONTACT (Preparer or REP Report to) Matt Derby		SAMPLE NUMBER (SAP) Trey Jackson						LAB USE ONLY															
TELEPHONE 610-420-3332	FAX 510-420-9170	E-MAIL mderby@cambr-ent.com																					
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				REQUESTED ANALYSIS						FIELD NOTES: Containers/Preservative or PID Readings or Laboratory Notes													
<input type="checkbox"/> LA - KWQCE REPORT FORMAT <input type="checkbox"/> USE AGENCY:																							
GMS-MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORMS _____ AU _____																							
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EED IS NOT NEEDED <input type="checkbox"/>																							
LAB USE ONLY	Field Sample Identification		SAMPLING DATE TIME		MATRIX AQ	NO. OF CONT. 5	TPH - Purgeable X	TPH - Extractable (E915m) X	BTEX X	MTBE (5.0 ppb DL) X	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 8276C	Lead <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	LUFT <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	CAMEP <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT (°C) 4	
	TBW	9/15/04 8:55	VQAs w/HCI																				
RUSH																							
Released by (Signature) <i>[Signature]</i>			Received by (Signature) secured location			Date 9/15/04			Time 1:10 PM														
Rechecked by (Signature) <i>[Signature]</i>			Received by (Signature) <i>[Signature]</i>			Date 9/17/04			Time 15:00														
Rechecked by (Signature) <i>[Signature]</i>			Received by (Signature) <i>[Signature]</i>			Date 9/17/04			Time 11:25														

**Cambria Environmental Emeryville**

September 10, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/07/2004 15:00

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 10/22/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/07/2004 07:00	Water	1

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:33

Page 1 of 5

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TBW Lab ID: 2004-09-0197 - 1  
 Sampled: 09/07/2004 07:00 Extracted: 9/10/2004 08:50  
 Matrix: Water QC Batch#: 2004/09/10-1A.64  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	66000	25000	ug/L	500.00	09/10/2004 08:50	
Benzene	1100	250	ug/L	500.00	09/10/2004 08:50	
Toluene	15000	250	ug/L	500.00	09/10/2004 08:50	
Ethylbenzene	960	250	ug/L	500.00	09/10/2004 08:50	
Total xylenes	11000	500	ug/L	500.00	09/10/2004 08:50	
Methyl tert-butyl ether (MTBE)	ND	2500	ug/L	500.00	09/10/2004 08:50	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.1	76-130	%	500.00	09/10/2004 08:50	
Toluene-d8	106.6	78-115	%	500.00	09/10/2004 08:50	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/10-1A.64-036

Water

Test(s): 8260B

QC Batch # 2004/09/10-1A.64

Date Extracted: 09/10/2004 07:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/10/2004 07:36	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/10/2004 07:36	
Benzene	ND	0.5	ug/L	09/10/2004 07:36	
Toluene	ND	0.5	ug/L	09/10/2004 07:36	
Ethylbenzene	ND	0.5	ug/L	09/10/2004 07:36	
Total xylenes	ND	1.0	ug/L	09/10/2004 07:36	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	108.0	76-130	%	09/10/2004 07:36	
Toluene-d8	101.6	78-115	%	09/10/2004 07:36	



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/10-1A.64**

LCS 2004/09/10-1A.64-051

Extracted: 09/10/2004

Analyzed: 09/10/2004 06:51

LCSD 2004/09/10-1A.64-014

Extracted: 09/10/2004

Analyzed: 09/10/2004 07:14

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.3	22.9	25	93.2	91.6	1.7	65-165	20		
Benzene	26.1	24.9	25	104.4	99.6	4.7	69-129	20		
Toluene	26.3	25.6	25	105.2	102.4	2.7	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	489	497	500	97.8	99.4		76-130			
Toluene-d8	521	535	500	104.2	107.0		78-115			

Severn Trent Laboratories, Inc.

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

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

09/10/2004 12:33

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/07/2004 15:00

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

STL-San Francisco

2004-09-09 20197

# SHELL Chain Of Custody Record

88670

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOLDING

Karen Poltynia

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

DATE 9/7/04

S&E or CRMT NUMBER (TS/CRMT)

PAGE 1 of 1

CAMPUS COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LOG CODE: <b>CEYS</b>	SITE ADDRESS (Street and City): <b>1601 Webster, Alameda, CA</b>		LOGS KEYS:															
ADDRESS: <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		CLIENT/CLIENTS (To Obtainable Party or Company): <b>Matt Derby</b>	PHONE NO.:	<b>510-420-3332</b>	CONTACT:															
PROJECT CONTACT (Person in Field/Field): <b>Matt Derby</b>		SAMPLE NUMBER(S) (P/P): <b>Trey Jackson</b>		LAB USE ONLY																
TELEPHONE:	FAX:	E-MAIL:																		
<b>510-420-3332</b>	<b>510-420-9170</b>	<b>matderby@cambriao-ct.com</b>																		
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS																		
<input type="checkbox"/> LA - RIVCO'S REPORT FORMAT <input type="checkbox"/> USE AGENCY:		<table border="1"> <tr> <td>TPH - Purgeable</td> <td>TPH - Extractable (6015m)</td> <td>BTEX</td> <td>MTBE (5.8 ppb DL)</td> <td>TBA</td> <td>5 Oxygenates</td> <td>1,2 DCA and EDB</td> <td>Ethanol</td> <td>Methanol</td> <td>VOCs by 8260B</td> <td>Semi-Volatiles by 8270C</td> <td>Lead <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP</td> <td>LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP</td> <td>CAMP <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP</td> <td>Test for Disposal</td> </tr> </table>				TPH - Purgeable	TPH - Extractable (6015m)	BTEX	MTBE (5.8 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	CAMP <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	Test for Disposal
TPH - Purgeable	TPH - Extractable (6015m)					BTEX	MTBE (5.8 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	CAMP <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	Test for Disposal		
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF FIELDS NOT NEEDED <input type="checkbox"/>																				

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

TEMPERATURE ON RECEIPT °C  
**4**

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (6015m)	BTEX	MTBE (5.8 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	CAMP <input type="checkbox"/> Total <input type="checkbox"/> STEL <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT °C	
	DATE	TIME																					
	TBW	9/7/04	7:00	AD	5	X	X	X															VOAs w/HCl

Requested by (Signature): <i>Trey Jackson</i>	Received by (Signature): <i>Secure Location</i>	Date: 9/7/04	Time: 12:45
Requested by (Signature): <i>S. Thompson</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/7/04	Time: 1500
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/7/04	Time: 1225

C&S Creation: 17-141 Rev. 0702

**Cambria Environmental Emeryville**

September 14, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/09/2004 14:26

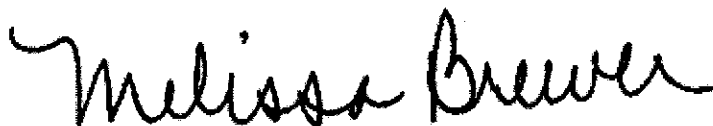
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/24/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/09/2004 14:26

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/09/2004 07:00	Water	1

Severn Trent Laboratories, Inc.

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

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

09/13/2004 15:08

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/09/2004 14:26

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B

Test(s): 8260B

Sample ID: TBW

Lab ID: 2004-09-0260 - 1

Sampled: 09/09/2004 07:00

Extracted: 9/11/2004 15:36

Matrix: Water

QC Batch#: 2004/09/11-1C.65

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	67000	10000	ug/L	200.00	09/11/2004 15:36	
Benzene	720	100	ug/L	200.00	09/11/2004 15:36	
Toluene	11000	100	ug/L	200.00	09/11/2004 15:36	
Ethylbenzene	1000	100	ug/L	200.00	09/11/2004 15:36	
Total xylenes	15000	200	ug/L	200.00	09/11/2004 15:36	
Methyl tert-butyl ether (MTBE)	1600	1000	ug/L	200.00	09/11/2004 15:36	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	114.4	76-130	%	200.00	09/11/2004 15:36	
Toluene-d8	84.1	78-115	%	200.00	09/11/2004 15:36	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/09/2004 14:26

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/11-1C.65-003

Water

Test(s): 8260B

QC Batch # 2004/09/11-1C.65

Date Extracted: 09/11/2004 10:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/11/2004 10:03	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/11/2004 10:03	
Benzene	ND	0.5	ug/L	09/11/2004 10:03	
Toluene	ND	0.5	ug/L	09/11/2004 10:03	
Ethylbenzene	ND	0.5	ug/L	09/11/2004 10:03	
Total xylenes	ND	1.0	ug/L	09/11/2004 10:03	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	119.2	76-130	%	09/11/2004 10:03	
Toluene-d8	100.6	78-115	%	09/11/2004 10:03	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/09/2004 14:26

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/11-1C.65**

LCS 2004/09/11-1C.65-013

Extracted: 09/11/2004

Analyzed: 09/11/2004 09:13

LCSD 2004/09/11-1C.65-037

Extracted: 09/11/2004

Analyzed: 09/11/2004 09:37

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2	27.4	25	92.8	109.6	16.6	65-165	20		
Benzene	19.1	21.9	25	76.4	87.6	13.7	69-129	20		
Toluene	19.7	23.1	25	78.8	92.4	15.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	465	489	500	93.0	97.8		76-130			
Toluene-d8	412	499	500	82.4	99.8		78-115			



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/09/2004 14:26

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

Severn Trent Laboratories, Inc.

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

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

1220 Quarry Lane  
Pleasanton, CA 94566  
(925) 484-1919 (925) 484-1096 fax

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CONTRACTORS

Karen Patricia

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE 9/9/04

PAGE 1 of 1

<b>CAMBRIA COMPANY:</b> Cambria Environmental Technology, Inc. CETS		<b>LAB CODE:</b> 		<b>SITE ADDRESS (Street and City):</b> 1601 Webster, Alameda, CA		<b>DATE:</b>	
<b>ADDRESS:</b> 5900 Hollis Street, Suite A, Emeryville, CA 94608		<b>PHONE NO.:</b> 510-420-3332		<b>EMAIL:</b> sheltonk@cedt@cambria-env.com		<b>CONSULTOR PROJECT NO.:</b> 206-0467-004	
<b>PROJECT CONTACT (Name/Phone/Fax/Email):</b> Matt Derby 510-420-3332 mderby@cambria-env.com		<b>LAB USE ONLY:</b>		<b>LAB USE ONLY:</b>			

**REQUESTED ANALYSIS**

10 DAYS  5 DAYS  72 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

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

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (BOL/DM)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,1 DCA and EDS	Ethanol	Methanol	VOCs by 250B	Semi-Volatiles by 427HC	LEAD <input type="checkbox"/> TEL <input type="checkbox"/> YEL <input type="checkbox"/>	LUTS <input type="checkbox"/> TEL <input type="checkbox"/> SIL <input type="checkbox"/> TEL <input type="checkbox"/>	CAM17 <input type="checkbox"/> TEL <input type="checkbox"/> SIL <input type="checkbox"/> TEL <input type="checkbox"/>	Test for Disposal	TEMPERATURE ON RECEIPT °C	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																				
	TBW	9/9/04	2:00	AQ	5	X		X	X													3	VOAs w/HCI

FLUSH

Requested by: (Signature) <i>Troy Jackson</i>	Received by: (Signature) <i>secured location</i>	Date: 9/9/04	Time: 1:00 PM
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 9-9-04	Time: 14:26
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 9-9-04	Time: 16:04

CED 50406 (7/04) 824-9702

**Cambria Environmental Emeryville**

September 16, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/13/2004 14:15

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

Please note that any unused portion of the samples will be discarded after 10/28/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/13/2004 14:15

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/13/2004 07:00	Water	1

Severn Trent Laboratories, Inc.

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

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

09/16/2004 14:09

Page 1 of 5

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/13/2004 14:15

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TBW Lab ID: 2004-09-0361 - 1  
 Sampled: 09/13/2004 07:00 Extracted: 9/16/2004 12:04  
 Matrix: Water QC Batch#: 2004/09/16-1A.68  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	61000	10000	ug/L	200.00	09/16/2004 12:04	
Benzene	680	100	ug/L	200.00	09/16/2004 12:04	
Toluene	10000	100	ug/L	200.00	09/16/2004 12:04	
Ethylbenzene	870	100	ug/L	200.00	09/16/2004 12:04	
Total xylenes	12000	200	ug/L	200.00	09/16/2004 12:04	
Methyl tert-butyl ether (MTBE)	2000	1000	ug/L	200.00	09/16/2004 12:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.9	76-130	%	200.00	09/16/2004 12:04	
Toluene-d8	92.0	78-115	%	200.00	09/16/2004 12:04	

Severn Trent Laboratories, Inc.

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

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

09/16/2004 14:09

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/13/2004 14:15

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/16-1A.68-042

Water

Test(s): 8260B

QC Batch # 2004/09/16-1A.68

Date Extracted: 09/16/2004 07:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/16/2004 07:42	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/16/2004 07:42	
Benzene	ND	0.5	ug/L	09/16/2004 07:42	
Toluene	ND	0.5	ug/L	09/16/2004 07:42	
Ethylbenzene	ND	0.5	ug/L	09/16/2004 07:42	
Total xylenes	ND	1.0	ug/L	09/16/2004 07:42	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.6	76-130	%	09/16/2004 07:42	
Toluene-d8	94.4	78-115	%	09/16/2004 07:42	

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/13/2004 14:15

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/16-1A.68**

LCS 2004/09/16-1A.68-059

Extracted: 09/16/2004

Analyzed: 09/16/2004 06:59

LCSD 2004/09/16-1A.68-023

Extracted: 09/16/2004

Analyzed: 09/16/2004 07:23

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	30.1	29.0	25	120.4	116.0	3.7	65-165	20		
Benzene	29.4	27.4	25	117.6	109.6	7.0	69-129	20		
Toluene	29.3	26.0	25	117.2	104.0	11.9	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	467	465	500	93.4	93.0		76-130			
Toluene-d8	513	474	500	102.6	94.8		78-115			

Severn Trent Laboratories, Inc.

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

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

09/16/2004 14:09

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/13/2004 14:15

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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



STL-San Francisco

2004-09-0361

SHELL Chain Of Custody Record

88779

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1098 fax

Shell Project Manager to be Invoiced:

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT-HOUSTON

Karen Patryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAR or CRMT NUMBER (TS/CRMT)

DATE: 9/13/04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Cambridge Environmental Technology, Inc.</b>	LAB CODE: <b>CETS</b>	SITE ADDRESS (Street and City): <b>1601 Webster, Alameda, CA</b>	GLOBAL ID NO.:
--	--------------------------	---	----------------

ADDRESS: <b>5940 Hollis Street, Suite A, Emeryville, CA 94608</b>	SHIP DELIVERABLE TO (Responsible Party, or Designated): <b>Matt Derby</b>	PHONE NO.:	E-MAIL: <b>mderby@cambridgeenv.com</b>	CONSULTANT PROJECT NO.:
--	--	------------	---	-------------------------

TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 30 DAYS <input type="checkbox"/> 15 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 30 DAYS <input type="checkbox"/> 15 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	TELEPHONE: <b>510-420-3332</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>mderby@cambridgeenv.com</b>	SAMPLE NUMBER (SAR): <b>Tray Jackson</b>	LAB USE ONLY:
--	--	-----------------------------------	-----------------------------	---	---	---------------

<input type="checkbox"/> LK - RWQC REPORT FORMAT <input type="checkbox"/> USE AGENCY: BOWMETE CONFIRMATION HIGHEST _____ HIGHEST per BORING _____ ALL _____ SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EOD IS NOT NEEDED <input type="checkbox"/>	REQUESTED ANALYSIS												FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes			
	TPH - Purgeable	TPH - Extractable (B15m)	STX	MTBE (5.0 Reb DL)	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Lead <input type="checkbox"/> SEC <input type="checkbox"/> TSP	LUFT5 <input type="checkbox"/> Lead <input type="checkbox"/> SEC <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> TSP <input type="checkbox"/> SEC <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT °C <b>5</b>

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF COPIES	TPH - Purgeable	TPH - Extractable (B15m)	STX	MTBE (5.0 Reb DL)	TBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Lead <input type="checkbox"/> SEC <input type="checkbox"/> TSP	LUFT5 <input type="checkbox"/> Lead <input type="checkbox"/> SEC <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> TSP <input type="checkbox"/> SEC <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT °C		
		DATE	TIME																				
	TBW	9/13/04	7:00	AQ	5	X		X	X													VOAs w/HCI	

**RUSH**

Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/13/04	Time: 11:00
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/13/04	Time: 15:30
Released by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 9/13/04	Time: 15:30

**Cambria Environmental Emeryville**

September 24, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/21/2004 11:20

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 11/05/2004 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

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/21/2004 11:20

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/20/2004 07:00	Water	1

Severn Trent Laboratories, Inc.

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

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

09/24/2004 11:30

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/21/2004 11:20

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW** Lab ID: 2004-09-0616 - 1  
 Sampled: 09/20/2004 07:00 Extracted: 9/23/2004 16:17  
 Matrix: Water QC Batch#: 2004/09/23-1B.64  
 Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	120000	10000	ug/L	200.00	09/23/2004 16:17	
Benzene	2900	100	ug/L	200.00	09/23/2004 16:17	
Toluene	35000	100	ug/L	200.00	09/23/2004 16:17	
Ethylbenzene	1700	100	ug/L	200.00	09/23/2004 16:17	
Total xylenes	21000	200	ug/L	200.00	09/23/2004 16:17	
Methyl tert-butyl ether (MTBE)	2400	1000	ug/L	200.00	09/23/2004 16:17	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.1	76-130	%	200.00	09/23/2004 16:17	
Toluene-d8	108.9	78-115	%	200.00	09/23/2004 16:17	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/21/2004 11:20

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/23-1B.64-014

Water

Test(s): 8260B

QC Batch # 2004/09/23-1B.64

Date Extracted: 09/23/2004 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	09/23/2004 08:14	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/23/2004 08:14	
Benzene	ND	0.5	ug/L	09/23/2004 08:14	
Toluene	ND	0.5	ug/L	09/23/2004 08:14	
Ethylbenzene	ND	0.5	ug/L	09/23/2004 08:14	
Total xylenes	ND	1.0	ug/L	09/23/2004 08:14	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.0	76-130	%	09/23/2004 08:14	
Toluene-d8	102.4	78-115	%	09/23/2004 08:14	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/21/2004 11:20

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/23-1B.64**

LCS 2004/09/23-1B.64-030

Extracted: 09/23/2004

Analyzed: 09/23/2004 07:30

LCSD 2004/09/23-1B.64-052

Extracted: 09/23/2004

Analyzed: 09/23/2004 07:52

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.8	21.3	25	91.2	85.2	6.8	65-165	20		
Benzene	24.4	23.9	25	97.6	95.6	2.1	69-129	20		
Toluene	26.1	24.2	25	104.4	96.8	7.6	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	452	470	500	90.4	94.0		76-130			
Toluene-d8	534	507	500	106.8	101.4		78-115			

Severn Trent Laboratories, Inc.

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

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

09/24/2004 11:30

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/21/2004 11:20

Site: 1601 Webster, Alameda, CA

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**Legend and Notes**

---

**Analysis Flag**

o

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

Severn Trent Laboratories, Inc.

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

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

09/24/2004 11:30

# SHELL Chain Of Custody Record

89026

STL-San Francisco

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT LOCATION

2004-09-06/6

Karen Palryna

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9/20/04

PAGE: 1 of 1

<b>SAMPLING ORGANIZATION:</b> Cambria Environmental Technology, Inc.		<b>LOG CODE:</b> CETS		<b>SITE ADDRESS (Street and City):</b> 1601 Webster, Alameda, CA				<b>GLOBAL ID NO.:</b>																																																																									
<b>ADDRESS:</b> 5900 Hollis Street, Suite A, Emeryville, CA 94608				<b>SDP DELIVERABLE TO (Responsible Party or Design):</b> Matt Derby		<b>PHONE NO.:</b> 510-420-3332		<b>E-MAIL:</b> sh-ek@cambridge@cambria-env.com		<b>CONSULTANT PROJECT NO.:</b> 200-0467-004																																																																							
<b>PROJECT CONTACT (Technology or PGP Reported):</b> Matt Derby				<b>SAMPLER NAME(S) (Part):</b> Trey Jackson				<b>LAB USE ONLY:</b>																																																																									
<b>TELEPHONE:</b> 510-420-3332		<b>FAX:</b> 510-420-9170		<b>E-MAIL:</b> mderby@cambridge-env.com		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="12" style="text-align: center;">REQUESTED ANALYSIS</th> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Filterable</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Extractable (0.15m)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">MTBE (S.P. POP DL)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TBA</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">5 Oxygenates</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,2 DCA and EDB</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Ethanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Methanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs by #350A</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Semi-Volatiles by #270C</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead <input type="checkbox"/> Tet <input type="checkbox"/> BTEC <input type="checkbox"/> TELP</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">LUFTS <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CAM17 <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP</td> </tr> <tr> <td colspan="11"></td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Test for Disposal</td> </tr> </table>				REQUESTED ANALYSIS												TPH - Filterable	TPH - Extractable (0.15m)	BTEX	MTBE (S.P. POP DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by #350A	Semi-Volatiles by #270C	Lead <input type="checkbox"/> Tet <input type="checkbox"/> BTEC <input type="checkbox"/> TELP												LUFTS <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP												CAM17 <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP												Test for Disposal												
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<b>TURNAROUND TIME (BUSINESS DAYS):</b> <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; height: 150px; vertical-align: top;"> <b>FIELD NOTES:</b> Container/Preservative or PID Readings or Laboratory Notes                 </td> </tr> <tr> <td style="text-align: center;">TEMPERATURE ON RECEIPT °C <b>3</b></td> </tr> <tr> <td style="text-align: center;">VOAs w/HCI</td> </tr> </table>								<b>FIELD NOTES:</b> Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT °C <b>3</b>	VOAs w/HCI																																																																			
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<b>SCAMS MTBE CONFIRMATION:</b> HIGHEST _____ HIGHEST per BORING _____ ALL _____																																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">LAB USE ONLY</th> <th rowspan="2">Field Sample Identification</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th rowspan="2">NO. OF CONT.</th> <th rowspan="2">TPH - Filterable</th> <th rowspan="2">TPH - Extractable (0.15m)</th> <th rowspan="2">BTEX</th> <th rowspan="2">MTBE (S.P. POP DL)</th> <th rowspan="2">TBA</th> <th rowspan="2">5 Oxygenates</th> <th rowspan="2">1,2 DCA and EDB</th> <th rowspan="2">Ethanol</th> <th rowspan="2">Methanol</th> <th rowspan="2">VOCs by #350A</th> <th rowspan="2">Semi-Volatiles by #270C</th> <th rowspan="2">Lead <input type="checkbox"/> Tet <input type="checkbox"/> BTEC <input type="checkbox"/> TELP</th> <th rowspan="2">LUFTS <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP</th> <th rowspan="2">CAM17 <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP</th> <th rowspan="2">Test for Disposal</th> <th rowspan="2">TEMPERATURE ON RECEIPT °C</th> </tr> <tr> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td></td> <td>TBW</td> <td>9/20/04</td> <td>7:00</td> <td>AO</td> <td>4</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="23" style="text-align: center; font-size: 48pt; font-weight: bold;">RUSH</td> </tr> </tbody> </table>												LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Filterable	TPH - Extractable (0.15m)	BTEX	MTBE (S.P. POP DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by #350A	Semi-Volatiles by #270C	Lead <input type="checkbox"/> Tet <input type="checkbox"/> BTEC <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP	CAM17 <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP	Test for Disposal	TEMPERATURE ON RECEIPT °C	DATE	TIME		TBW	9/20/04	7:00	AO	4	X	X	X															RUSH																						
LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Filterable	TPH - Extractable (0.15m)	BTEX	MTBE (S.P. POP DL)	TBA	5 Oxygenates			1,2 DCA and EDB	Ethanol																			Methanol	VOCs by #350A	Semi-Volatiles by #270C	Lead <input type="checkbox"/> Tet <input type="checkbox"/> BTEC <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP	CAM17 <input type="checkbox"/> Tet <input type="checkbox"/> STLC <input type="checkbox"/> TELP	Test for Disposal	TEMPERATURE ON RECEIPT °C																																								
		DATE	TIME																																																																														
	TBW	9/20/04	7:00	AO	4	X	X	X																																																																									
RUSH																																																																																	

Released by: (Signature) 	Received by: (Signature) secure location	Date: 9/20/04	Time: 3:10
Released by: (Signature) 	Received by: (Signature) 	Date: 09-21-04	Time: 11:20
Released by: (Signature) 	Received by: (Signature) John Mullen STL SF	Date: 09-21-04	Time: 12:40

C:\Documents and Settings\jackson\Desktop\Site Shortcuts\Webster\Temp GWWE COG\_xds\INF Mandity



**Cambria Environmental Emeryville**

October 01, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 09/28/2004 10:08

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 11/12/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/28/2004 10:08

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	09/27/2004	Water	1

Severn Trent Laboratories, Inc.

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

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

10/01/2004 12:57

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/28/2004 10:08

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: TBW	Lab ID: 2004-09-0819 - 1
Sampled: 09/27/2004	Extracted: 10/1/2004 03:07
Matrix: Water	QC Batch#: 2004/09/30-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	99000	10000	ug/L	200.00	10/01/2004 03:07	
Benzene	1900	100	ug/L	200.00	10/01/2004 03:07	
Toluene	34000	100	ug/L	200.00	10/01/2004 03:07	
Ethylbenzene	1100	100	ug/L	200.00	10/01/2004 03:07	
Total xylenes	22000	200	ug/L	200.00	10/01/2004 03:07	
Methyl tert-butyl ether (MTBE)	4000	1000	ug/L	200.00	10/01/2004 03:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	120.4	76-130	%	200.00	10/01/2004 03:07	
Toluene-d8	111.0	78-115	%	200.00	10/01/2004 03:07	

Severn Trent Laboratories, Inc.

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

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

10/01/2004 12:57

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 09/28/2004 10:08

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/09/30-2B.64-050

Water

Test(s): 8260B

QC Batch # 2004/09/30-2B.64

Date Extracted: 09/30/2004 18:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	09/30/2004 18:50	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	09/30/2004 18:50	
Benzene	ND	0.5	ug/L	09/30/2004 18:50	
Toluene	ND	0.5	ug/L	09/30/2004 18:50	
Ethylbenzene	ND	0.5	ug/L	09/30/2004 18:50	
Total xylenes	ND	1.0	ug/L	09/30/2004 18:50	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	105.2	76-130	%	09/30/2004 18:50	
Toluene-d8	105.5	78-115	%	09/30/2004 18:50	

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 09/28/2004 10:08

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/09/30-2B.64**

LCS 2004/09/30-2B.64-005  
LCSD 2004/09/30-2B.64-027

Extracted: 09/30/2004  
Extracted: 09/30/2004

Analyzed: 09/30/2004 18:05  
Analyzed: 09/30/2004 18:27

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.5	27.0	25	106.0	108.0	1.9	65-165	20		
Benzene	23.2	23.4	25	92.8	93.6	0.9	69-129	20		
Toluene	26.9	28.1	25	107.6	112.4	4.4	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	522	506	500	104.4	101.2		76-130			
Toluene-d8	536	538	500	107.2	107.6		78-115			

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT MONITOR

2004-09-0819

Karon Polynia

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE:

PAGE: 1 of 1

CLIENT COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LOG CODE: <b>CETS</b>		SITE ADDRESS (Street and City): <b>1601 Webster, Alameda, CA</b>				PHONE: (415) _____																	
ADDRESS: <b>6900 Hollis Street, Suite A, Emeryville, CA 94608</b>		EPA DELIVERABLE TO (Responsible Party or Employee): <b>Matt Derby</b>		PHONE (HS): <b>510-420-3332</b>		E-MAIL: <b>shelton@cedt.com</b>		CONSULTANT PROJECT NO.: <b>206-0467-004</b>																	
PROJECT CONTACT (Name, Title or Dept. Name): <b>Matt Derby</b>		SAMPLER NAME(S) (PHYS): <b>Trey Jackson</b>		LAB USE ONLY																					
TELEPHONE: <b>510-420-3332</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>mderby@cedt.com</b>																							
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				<b>REQUESTED ANALYSIS</b>						<b>FIELD NOTES:</b> Container/Preservative or PID Readings or Laboratory Notes  <b>4°C</b>															
<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY: _____																									
GOMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____																									
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>																									
LAB USE ONLY	Field Sample Identification			SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (H0.15m)	BTEX	MTBE (5.0 ppb DL)	TBA	S Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> TCM <input type="checkbox"/> STLC <input type="checkbox"/> TAP	CUMTS <input type="checkbox"/> TCM <input type="checkbox"/> STLC <input type="checkbox"/> TAP	CAMP7 <input type="checkbox"/> TCM <input type="checkbox"/> STLC <input type="checkbox"/> TAP	Test for Disposal	TEMPERATURE ON RECEIPT (°C)		
				DATE	TIME																				
	TBW					AQ	1	X	X	X															VOAs w/HCI
RUSH																									
Requested by (Signature): <i>[Signature]</i>				Received by (Signature): <i>[Signature]</i>				Date: <b>9/27/04</b>				Time: <b>9:00am</b>													
Requested by (Signature): <i>[Signature]</i>				Received by (Signature): <i>[Signature]</i>				Date: <b>9/27/04</b>				Time: <b>1008</b>													
Requested by (Signature): <i>[Signature]</i>				Received by (Signature): <i>[Signature]</i>				Date: <b>9/28/04</b>				Time: <b>1237</b>													

**Cambria Environmental Emeryville**

October 11, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 10/04/2004 15:00

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 11/18/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

Received: 10/04/2004 15:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	10/04/2004 09:30	Water	1



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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170  
Project: 206-0467-004

Received: 10/04/2004 15:00

Site: 1601 Webster, Alameda, CA

---

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW</b>	Lab ID: 2004-10-0098 - 1
Sampled: 10/04/2004 09:30	Extracted: 10/8/2004 21:31
Matrix: Water	QC Batch#: 2004/10/08-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	80000	10000	ug/L	200.00	10/08/2004 21:31	
Benzene	1100	100	ug/L	200.00	10/08/2004 21:31	
Toluene	20000	100	ug/L	200.00	10/08/2004 21:31	
Ethylbenzene	810	100	ug/L	200.00	10/08/2004 21:31	
Total xylenes	15000	200	ug/L	200.00	10/08/2004 21:31	
Methyl tert-butyl ether (MTBE)	2800	100	ug/L	200.00	10/08/2004 21:31	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	111.3	76-130	%	200.00	10/08/2004 21:31	
Toluene-d8	99.2	78-115	%	200.00	10/08/2004 21:31	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

Received: 10/04/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/10/08-2B.68-007

**Water**

Test(s): 8260B

**QC Batch # 2004/10/08-2B.68**

Date Extracted: 10/08/2004 18:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/08/2004 18:07	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/08/2004 18:07	
Benzene	ND	0.5	ug/L	10/08/2004 18:07	
Toluene	ND	0.5	ug/L	10/08/2004 18:07	
Ethylbenzene	ND	0.5	ug/L	10/08/2004 18:07	
Total xylenes	ND	1.0	ug/L	10/08/2004 18:07	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.2	76-130	%	10/08/2004 18:07	
Toluene-d8	94.4	78-115	%	10/08/2004 18:07	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

Received: 10/04/2004 15:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/08-2B.68**

LCS 2004/10/08-2B.68-059

Extracted: 10/08/2004

Analyzed: 10/08/2004 16:59

LCSD 2004/10/08-2B.68-018

Extracted: 10/08/2004

Analyzed: 10/08/2004 17:18

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.4	25.6	25	89.6	102.4	13.3	65-165	20			
Benzene	22.2	23.3	25	88.8	93.2	4.8	69-129	20			
Toluene	21.0	24.7	25	84.0	98.8	16.2	70-130	20			
<b>Surrogates(s)</b>											
1,2-Dichloroethane-d4	433	446	500	86.6	89.2		76-130				
Toluene-d8	463	494	500	92.6	98.8		78-115				

Severn Trent Laboratories, Inc.

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

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

10/11/2004 07:31

AB STL San Francisco **2004-10-0098** SHELL Chain Of Custody Record

8943.7

Lab Identification (if necessary)  
 Address: 1220 Quarry Lane  
 City, State, Zip: Pleasanton, CA, 94566

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Bill Merchant

INCIDENT NUMBER (SRE ONLY)

--	--	--	--	--	--	--	--

SAP or GRMT NUMBER (TS/CRMT)

1 3 5 0 3 2

DATE 10/ 4 04  
 Page 1 of

<b>SAMPLING COMPANY</b> Cambria Environmental ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA PROJECT CONTACT (Name, Title, Phone/Fax/E-mail): Matt Derby/Stu Dalie/Treysa Jackson TELEPHONE: 510-420-3332 FAX: 510-420-9170 E-MAIL: mderby@cambria-env.com		<b>LOG CODE</b> CETO		<b>SITE ADDRESS (Street and City)</b> 1601 Webster, Alameda, CA		<b>DISCREPANCY</b>	
<b>EDF DELIVERABLE TO (Responsible Party Designee)</b> shell@klander2@cambria-env.com 510-420-0700		<b>EMAIL:</b> sdal@cambrina-env.com		<b>CONSULTANT PROJECT NO.</b> 206-0467-004		<b>SAMPLER NAME(S) (Print) Site Date</b>	

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

LA - RWQCB REPORT FORM  UST AGENCY

COMS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST PER BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

Please cc results to tjackson@cambria-env.com and mderby@cambria-env.com

REQUESTED ANALYSIS

TPH - Gas, Purgeable	BTEX	TPH, Diesel	MTBE (8260B - 0.5ppb RL)	5 oxygenates	Ethanol (B2FDB)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (B021B)	TRPH (418-1)	Vapor VOCs BTEX / MTBE (T0-15)	Vapor VOCs Full List (T0-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)	Test for Disposal, see attached	TPH - Diesel, Extractable (B015m)	MTBE (8260B) Confirmation, See Note
X	X	X																

FIELD NOTES:  
 Container/Preservative or PID Readings or Laboratory Notes  
 40C  
 CHANGE Field Point ID

LA #	US	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TPH, Diesel	MTBE (8260B - 0.5ppb RL)	5 oxygenates	Ethanol (B2FDB)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (B021B)	TRPH (418-1)	Vapor VOCs BTEX / MTBE (T0-15)	Vapor VOCs Full List (T0-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)	Test for Disposal, see attached	TPH - Diesel, Extractable (B015m)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT (C)
		DATE	TIME																								
		TBW		10/4/04	9:30	H2O	4 VOA	X	X	X																	

**RUSH**

Requisitioned by (Signature): Stu Dalie	Received by (Signature): Safe Location, Emeryville office refrigerator, Stu Dalie	Date: 10/4/04	Time: 12:30 ready
Requisitioned by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 10/4/04	Time: 15:00
Requisitioned by (Signature): [Signature]	Received by (Signature): [Signature]	Date: 10/4/04	Time: 15:50

**Cambria Environmental Emeryville**

October 19, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 10/11/2004 12:05

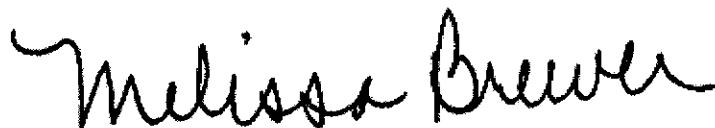
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/25/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/11/2004 12:05

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	10/11/2004 09:30	Water	1

Severn Trent Laboratories, Inc.

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

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

10/19/2004 14:54

Page 1 of 5

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/11/2004 12:05

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW** Lab ID: 2004-10-0338 - 1  
 Sampled: 10/11/2004 09:30 Extracted: 10/18/2004 15:02  
 Matrix: Water QC Batch#: 2004/10/18-1B.65

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	57000	10000	ug/L	200.00	10/18/2004 15:02	
Benzene	990	100	ug/L	200.00	10/18/2004 15:02	
Toluene	18000	100	ug/L	200.00	10/18/2004 15:02	
Ethylbenzene	1100	100	ug/L	200.00	10/18/2004 15:02	
Total xylenes	12000	200	ug/L	200.00	10/18/2004 15:02	
Methyl tert-butyl ether (MTBE)	2300	100	ug/L	200.00	10/18/2004 15:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.6	76-130	%	200.00	10/18/2004 15:02	
Toluene-d8	93.4	78-115	%	200.00	10/18/2004 15:02	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/11/2004 12:05

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/18-1B.65-007

Water

Test(s): 8260B

QC Batch # 2004/10/18-1B.65

Date Extracted: 10/18/2004 13:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/18/2004 13:07	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/18/2004 13:07	
Benzene	ND	0.5	ug/L	10/18/2004 13:07	
Toluene	ND	0.5	ug/L	10/18/2004 13:07	
Ethylbenzene	ND	0.5	ug/L	10/18/2004 13:07	
Total xylenes	ND	1.0	ug/L	10/18/2004 13:07	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	103.0	76-130	%	10/18/2004 13:07	
Toluene-d8	88.8	78-115	%	10/18/2004 13:07	



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/11/2004 12:05

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/18-1B.65**

LCS 2004/10/18-1B.65-022

Extracted: 10/18/2004

Analyzed: 10/18/2004 12:22

LCSD 2004/10/18-1B.65-044

Extracted: 10/18/2004

Analyzed: 10/18/2004 12:44

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2	24.2	25	92.8	96.8	4.2	65-165	20		
Benzene	20.5	20.8	25	82.0	83.2	1.5	69-129	20		
Toluene	22.8	22.0	25	91.2	88.0	3.6	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	477	446	500	95.4	89.2		76-130			
Toluene-d8	459	450	500	91.8	90.0		78-115			

Severn Trent Laboratories, Inc.

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

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

10/19/2004 14:54

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/11/2004 12:05

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

STL-San Francisco

# 2004-10-0338 SHELL Chain Of Custody Record

89692

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT (PARTS)

Karen Polynka

INCIDENT NUMBER (SAE ONLY)

9 8 9 9 5 1 3 9

SAP OR CRMT NUMBER (TS/CRMT)

DATE: 10/11/04

PAGE 1 of 1

CAMBRIA TECHNOLOGY Cambrid Environmental Technology, Inc.		LAR CODE CEFS	SITE ADDRESS (Street and City) 1601 Webster, Alameda, CA		REGION
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA 94608		KEY CONTACT NAME TO (Responsible Party in District) Matt Derby		PHONE NO. 510-420-3332	SAP/CRMT PROJECT NO. 306-0467-004
PROJECT CONTACT NAME OR POC (Report to): Matt Derby		E-MAIL mderby@cambrid-env.com		LAB USE ONLY	
TELEPHONE 510-420-3332	FAX 510-420-9170				

TURNAROUND TIME (BUSINESS DAYS):  
 14 DAYS  5 DAYS  27 HOURS  48 HOURS  24 HOURS  LESS THAN 24 HOURS

IA - RWQCB REPORT FORMAT  EST. AGENCY: \_\_\_\_\_

OCMS MTE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST W/ BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

CC results to Jackson and mderby both @cambrid-env.com

REQUESTED ANALYSIS															FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
TPH - Purgeable	TPH - Extractable (9915m)	BTEX	MTE (5.0 ppb DL)	TBA	S Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8265	SemiVolatiles by 8265	Lead <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	LUPIS <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	CAM17 <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	Test for Disposal		
		X	X													TEMPERATURE ON RECEIPT: 3
																VOAs w/HCI

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (9915m)	BTEX	MTE (5.0 ppb DL)	TBA	S Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8265	SemiVolatiles by 8265	Lead <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	LUPIS <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	CAM17 <input type="checkbox"/> TEL <input type="checkbox"/> PCL <input type="checkbox"/> TELP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
	DATE	TIME																					
	TBW	10/11/04	9:30	AQ	4 Von	X		X	X														

# RUSH

Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 10/11/04	Time: 11:15 AM
Requested by (Signature): <i>Joshua J. Mosher</i>	Received by (Signature): <i>[Signature]</i>	Date: 10/11/04	Time: 12:05
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Jessy B. [Signature]</i>	Date: 10/11/04	Time: 18:05

**Cambria Environmental Emeryville**

October 21, 2004

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 10/18/2004 14:49


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 12/02/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/18/2004 14:49

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW	10/15/2004	Water	1

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/18/2004 14:49

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW</b>	Lab ID: 2004-10-0546 - 1
Sampled: 10/15/2004	Extracted: 10/21/2004 16:02
Matrix: Water	QC Batch#: 2004/10/21-1B.65
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	68000	25000	ug/L	500.00	10/21/2004 16:02	
Benzene	930	250	ug/L	500.00	10/21/2004 16:02	
Toluene	18000	250	ug/L	500.00	10/21/2004 16:02	
Ethylbenzene	1200	250	ug/L	500.00	10/21/2004 16:02	
Total xylenes	14000	500	ug/L	500.00	10/21/2004 16:02	
Methyl tert-butyl ether (MTBE)	2700	2500	ug/L	500.00	10/21/2004 16:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.7	76-130	%	500.00	10/21/2004 16:02	
Toluene-d8	93.1	78-115	%	500.00	10/21/2004 16:02	

Severn Trent Laboratories, Inc.

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

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

10/21/2004 16:39

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 10/18/2004 14:49

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/21-1B.65-043

Water

Test(s): 8260B

QC Batch # 2004/10/21-1B.65

Date Extracted: 10/21/2004 07:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/21/2004 07:43	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	10/21/2004 07:43	
Benzene	ND	0.5	ug/L	10/21/2004 07:43	
Toluene	ND	0.5	ug/L	10/21/2004 07:43	
Ethylbenzene	ND	0.5	ug/L	10/21/2004 07:43	
Total xylenes	ND	1.0	ug/L	10/21/2004 07:43	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	101.2	76-130	%	10/21/2004 07:43	
Toluene-d8	91.8	78-115	%	10/21/2004 07:43	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 10/18/2004 14:49

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/21-1B.65**

LCS 2004/10/21-1B.65-057

Extracted: 10/21/2004

Analyzed: 10/21/2004 06:57

LCSD 2004/10/21-1B.65-020

Extracted: 10/21/2004

Analyzed: 10/21/2004 07:20

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.1	25.3	25	92.4	101.2	9.1	65-165	20		
Benzene	23.9	21.8	25	95.6	87.2	9.2	69-129	20		
Toluene	25.8	23.4	25	103.2	93.6	9.8	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	428	458	500	85.6	91.6		76-130			
Toluene-d8	502	454	500	100.4	90.8		78-115			

Severn Trent Laboratories, Inc.

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

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

10/21/2004 16:39



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/18/2004 14:49

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

o

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

STL-San Francisco

# SHELL Chain Of Custody Record

94795

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1035 fax

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- GRANT MONITORING

## 2004-10-0546

Karen Poltym

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP OR CRMT NUMBER (TS/CRMT)

DATE: 10/18/04

PAGE: 1 of 1

SUPPLIER COMPANY: <b>Cambria Environmental Technology, Inc.</b>		CONTRACT: <b>CETS</b>	SITE ADDRESS (Street and City): <b>1801 Webster, Alameda, CA</b>		GLOBAL ID NO.:															
ADDRESS: <b>5900 Hills Street, Suite A, Emeryville, CA 94608</b>		EDF DELIVERABLE TO (Responsible Party or Company): <b>Matt Derby</b>		PHONE NO.:	GLOBAL START PROJECT NO.:															
PROJECT CONTACT (Name and E-MAIL): <b>Matt Derby</b>				<b>510-420-3332</b>	<b>208-0467-004</b>															
TELEPHONE: <b>510-420-3332</b>	FAX: <b>510-420-8170</b>	E-MAIL: <b>mderby@cambria-env.com</b>		<b>LAB USE ONLY</b>																
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		<b>Trey Jackson</b>																		
LA - RWQCB REPORT FORMAT <input type="checkbox"/> LIST AGENCY: _____		<b>REQUESTED ANALYSIS</b>																		
BOIMS MTRC CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALS _____		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Purgable</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Extractable (0.15m)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">MTBE (5.0 ppb DL)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TBA</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">5 Oxygenates</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,2 DCA and EDB</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Ethanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Methanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs by 826B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Semi-Volatiles by 827C</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead <input type="checkbox"/> Cad <input type="checkbox"/> SIL <input type="checkbox"/> TOL</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">LUFTS <input type="checkbox"/> PAH <input type="checkbox"/> SIL <input type="checkbox"/> TOL</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CAM17 <input type="checkbox"/> TAP <input type="checkbox"/> SIL <input type="checkbox"/> TOL</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Test for Disposal</td> </tr> </table>				TPH - Purgable	TPH - Extractable (0.15m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 827C	Lead <input type="checkbox"/> Cad <input type="checkbox"/> SIL <input type="checkbox"/> TOL	LUFTS <input type="checkbox"/> PAH <input type="checkbox"/> SIL <input type="checkbox"/> TOL	CAM17 <input type="checkbox"/> TAP <input type="checkbox"/> SIL <input type="checkbox"/> TOL	Test for Disposal
TPH - Purgable	TPH - Extractable (0.15m)					BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 827C	Lead <input type="checkbox"/> Cad <input type="checkbox"/> SIL <input type="checkbox"/> TOL	LUFTS <input type="checkbox"/> PAH <input type="checkbox"/> SIL <input type="checkbox"/> TOL	CAM17 <input type="checkbox"/> TAP <input type="checkbox"/> SIL <input type="checkbox"/> TOL	Test for Disposal		
SPECIAL INSTRUCTIONS OR NOTES: _____ CHECK BOX IF EDO IS NOT NEEDED <input type="checkbox"/>		<b>RUSH</b>																		
FIELD SAMPLE IDENTIFICATION		SAMPLING		<b>FIELD NOTES:</b> Contains Preservative or PID Readings or Laboratory Notes  <b>2<sup>nd</sup></b>																
		DATE	TIME			MATRIX	NO. OF CONT.													
TBW				AO	3	<b>TEMPERATURE ON RECEIPT C°</b>  <b>VOAs w/HCl</b>														
Requested by (Signature): _____		Received by (Signature): _____		Date:	Time:															
Requested by (Signature): _____		Received by (Signature): _____		Date: 10/18/04	Time: 7:00															
Requested by (Signature): _____		Received by (Signature): _____		Date: 10/18/04	Time: 1449															
Requested by (Signature): _____		Received by (Signature): _____		Date: 10/18/04	Time: 1608															

DISTRIBUTE COPIES: White with Test Report, Green to File, Yellow and Pink to Client.  
C:\Documents and Settings\Jackson\Desktop\Site Shortcuts\Webster\Temp\_GWE\_COC.xlsx IF Monthly

30/10/02 Shell Revision  
01/04/04 Cambria Revision

GWS COMPANY (714) 505-7777

**Cambria Environmental Emeryville**

October 28, 2004

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 10/25/2004 14:35

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 12/09/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	10/25/2004 08:50	Water	1

Severn Trent Laboratories, Inc.

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

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

10/28/2004 12:22

Page 1 of 6

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW-N** Lab ID: 2004-10-0787 - 1  
 Sampled: 10/25/2004 08:50 Extracted: 10/28/2004 04:07  
 Matrix: Water QC Batch#: 2004/10/27-2B.65  
 Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	81000	10000	ug/L	200.00	10/28/2004 04:07	
Benzene	1800	100	ug/L	200.00	10/28/2004 04:07	
Toluene	31000	100	ug/L	200.00	10/28/2004 04:07	
Ethylbenzene	2000	100	ug/L	200.00	10/28/2004 04:07	
Total xylenes	16000	200	ug/L	200.00	10/28/2004 04:07	
Methyl tert-butyl ether (MTBE)	2100	100	ug/L	200.00	10/28/2004 04:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.6	76-130	%	200.00	10/28/2004 04:07	
Toluene-d8	98.9	78-115	%	200.00	10/28/2004 04:07	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/10/27-2B.65-022

Water

Test(s): 8260B

QC Batch # 2004/10/27-2B.65

Date Extracted: 10/27/2004 19:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/27/2004 19:22	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/27/2004 19:22	
Benzene	ND	0.5	ug/L	10/27/2004 19:22	
Toluene	ND	0.5	ug/L	10/27/2004 19:22	
Ethylbenzene	ND	0.5	ug/L	10/27/2004 19:22	
Total xylenes	ND	1.0	ug/L	10/27/2004 19:22	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.8	76-130	%	10/27/2004 19:22	
Toluene-d8	96.2	78-115	%	10/27/2004 19:22	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/10/27-2B.65**

LCS 2004/10/27-2B.65-059

Extracted: 10/27/2004

Analyzed: 10/27/2004 18:59

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.7		25	102.8			65-165	20		
Benzene	24.3		25	97.2			69-129	20		
Toluene	23.8		25	95.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	459		500	91.8			76-130			
Toluene-d8	486		500	97.2			78-115			

Severn Trent Laboratories, Inc.

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

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

10/28/2004 12:22

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/10/27-2B.65**

MS/MSD

Lab ID: 2004-10-0669 - 003

MS: 2004/10/27-2B.65-018

Extracted: 10/27/2004

Analyzed: 10/27/2004 22:18

Dilution: 1.00

MSD: 2004/10/27-2B.65-040

Extracted: 10/27/2004

Analyzed: 10/27/2004 22:40

Dilution: 1.00

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	22.7	22.5	ND	25	90.8	90.0	0.9	65-165	20		
Benzene	20.0	20.7	ND	25	80.0	82.8	3.4	69-129	20		
Toluene	20.1	20.8	ND	25	80.4	83.2	3.4	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	455	481		500	91.0	96.2		76-130			
Toluene-d8	483	491		500	96.6	98.2		78-115			

Severn Trent Laboratories, Inc.

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

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

10/28/2004 12:22

Page 5 of 6



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 10/25/2004 14:35

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

L2

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

Severn Trent Laboratories, Inc.

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

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

10/28/2004 12:22

STL-San Francisco

# SHELL Chain Of Custody Record

95032

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (825) 484-1006 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

## 2004-10-0787

Karen Petryna

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 5 1 3 9

SAR or CRMT NUMBER (TS/CRMT)

DATE: 10/25/04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LEG CODE: <b>CETO</b>	SITE ADDRESS (Street and City): <b>1601 Webster, Alameda, CA</b>		GLOBAL ID#:
ADDRESS: <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		COP DELIVERABLE TO (Preferable City of Origin): <b>Matt Derby</b>		PHONE NO.:	CONTACT PERSON PROJECT NO.:
PROJECT CONTRACT ID/Agency or POC Agency ID: <b>Matt Derby</b>		COP DELIVERABLE TO (Preferable City of Origin): <b>Matt Derby</b>		PHONE NO.:	CONTACT PERSON PROJECT NO.:
TELEPHONE: <b>510-420-3332</b>	FAX: <b>510-420-5170</b>	SAMPLER NAME (SAMPLER TYPE): <b>Karen Newton</b>		LAB USE ONLY	

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

IA - RWQCB REPORT FORMAT  USE AGENCY: \_\_\_\_\_

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

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

# RUSH

REQUESTED ANALYSIS												FIELD NOTES: Continuer/Preservative or PID Readings or Laboratory Notes			
TPH - Puigable	TPH - Extractable (B015m)	BTEX	MTBE (S.P. PPL DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP		LUFTS <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP	CAM37 <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP	Test for Disposal

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Puigable	TPH - Extractable (B015m)	BTEX	MTBE (S.P. PPL DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP	CAM37 <input type="checkbox"/> Total <input type="checkbox"/> HCl <input type="checkbox"/> TSP	Test for Disposal	TEMPERATURE ON RECEIPT		
		DATE	TIME																				
	TBW-N	10/25	1:50	AG	4	X		X	X													3	
																							VOAs w/HCl

Requested by (Signature):	Received by (Signature):	Date: 10/25/04	Time: 11:00 AM
Requested by (Signature):	Received by (Signature):	Date: 10/25/04	Time: 1435
Requested by (Signature):	Received by (Signature):	Date: 10/24/04	Time: 1705

**Cambria Environmental Emeryville**

November 04, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 11/01/2004 12:17

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 12/16/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	11/01/2004 09:30	Water	1

Severn Trent Laboratories, Inc.

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

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

11/04/2004 11:38

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: **TBW-N** Lab ID: 2004-11-0018 - 1  
 Sampled: 11/01/2004 09:30 Extracted: 11/3/2004 15:02  
 Matrix: Water QC Batch#: 2004/11/03-1A.65  
 Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	86000	10000	ug/L	200.00	11/03/2004 15:02	
Benzene	1100	100	ug/L	200.00	11/03/2004 15:02	
Toluene	28000	100	ug/L	200.00	11/03/2004 15:02	
Ethylbenzene	2300	100	ug/L	200.00	11/03/2004 15:02	
Total xylenes	18000	200	ug/L	200.00	11/03/2004 15:02	
Methyl tert-butyl ether (MTBE)	1900	100	ug/L	200.00	11/03/2004 15:02	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.7	76-130	%	200.00	11/03/2004 15:02	
Toluene-d8	89.2	78-115	%	200.00	11/03/2004 15:02	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/11/03-1A.65-052

Water

Test(s): 8260B

QC Batch # 2004/11/03-1A.65

Date Extracted: 11/03/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline (Shell)	ND	50	ug/L	11/03/2004 07:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2004 07:52	
Benzene	ND	0.5	ug/L	11/03/2004 07:52	
Toluene	ND	0.5	ug/L	11/03/2004 07:52	
Ethylbenzene	ND	0.5	ug/L	11/03/2004 07:52	
Total xylenes	ND	1.0	ug/L	11/03/2004 07:52	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.8	76-130	%	11/03/2004 07:52	
Toluene-d8	88.6	78-115	%	11/03/2004 07:52	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/11/03-1A.65**

LCS 2004/11/03-1A.65-028  
LCSD

Extracted: 11/03/2004

Analyzed: 11/03/2004 07:28

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.1		25	104.4			65-165	20			
Benzene	23.8		25	95.2			69-129	20			
Toluene	23.4		25	93.6			70-130	20			
<b>Surrogates(s)</b>											
1,2-Dichloroethane-d4	429		500	85.8			76-130				
Toluene-d8	456		500	91.2			78-115				

Severn Trent Laboratories, Inc.

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

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

11/04/2004 11:38

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/11/03-1A.65**

MS/MSD

Lab ID: 2004-11-0034 - 001

MS: 2004/11/03-1A.65-001

Extracted: 11/03/2004

Analyzed: 11/03/2004 10:01

Dilution: 1.00

MSD: 2004/11/03-1A.65-025

Extracted: 11/03/2004

Analyzed: 11/03/2004 10:25

Dilution: 1.00

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	27.1	26.8	ND	25	108.4	107.2	1.1	65-165	20		
Benzene	22.6	24.2	ND	25	90.4	96.8	6.8	69-129	20		
Toluene	23.0	23.6	ND	25	92.0	94.4	2.6	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	432	427		500	86.4	85.4		76-130			
Toluene-d8	454	467		500	90.8	93.4		78-115			

Severn Trent Laboratories, Inc.

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

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

11/04/2004 11:38



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/01/2004 12:17

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

L2

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

STL-San Francisco

# SHELL Chain Of Custody Record

95265

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRAT HOUSTON

## 2004-11-0018

Karen Polyrin

INCIDENT NUMBER (S&E ONLY):

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT):

DATE: 11/10/04

PAGE: 1 of 1

<b>SAMPLER COMPANY:</b> Cambria Environmental Technology, Inc.		<b>LOW CODE:</b> CETS	<b>SITE ADDRESS (Street and City):</b> 1601 Webster, Alameda, CA		<b>GLOBAL ID NO:</b>	
<b>Address:</b> 6900 Hollis Street, Suite A, Emeryville, CA 94608		<b>FOR DELIVERABLE TO (Responsible Party or Designee):</b> Matt Derby		<b>PHONE NO:</b> 510-420-3332	<b>CONSULTANT PROJECT NO:</b> 205-0467-004	
<b>PROJECT CONTACT (Lastname or PID# if applicable):</b> Matt Derby		<b>SAMPLER NAME(S) (if any):</b> Trey Jackson		<b>LAB USE ONLY:</b>		
<b>TELEPHONE:</b> 510-420-3332	<b>FAX:</b> 510-420-9170	<b>E-MAIL:</b> mderby@cambria-cte.com mderby@cambria-cte.com				
<b>TURNAROUND TIME (BUSINESS DAYS):</b> <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		<b>REQUESTED ANALYSIS</b>				<b>FIELD NOTES:</b> Containor/Preservative or PID Readings or Laboratory Notes
<input type="checkbox"/> LA - RWQC REPORT FORMAT <input type="checkbox"/> USE AGENCY:						
<b>GCMS MTBE CONFIRMATION:</b> HIGHEST _____ HIGHEST per BORING: _____ ALL _____						
<b>SPECIAL INSTRUCTIONS OR NOTES:</b> CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>						TEMPERATURE ON RECEIPT: 7
<b>RUSH</b>						
LAB USE ONLY	<b>Field Sample Identification</b>		<b>SAMPLING</b>		TPH - Puigraable TPH - Extractable (8019m) BTEX MTBE (5.0 ppb DL) TBA 5-Oxygenates 1,2-DCA and EDB Ethanol Methanol VOCs by 8260B Semi-Volatiles by 8270C Lead <input type="checkbox"/> Total <input type="checkbox"/> PRL <input type="checkbox"/> TOLP LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TOLP CAME7 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TOLP Test for Disposal	TEMPERATURE ON RECEIPT: 7
	DATE TIME	MATRIX	NO. OF CONT.	VOAs w/HC1		
	TBW-N	11/10/04 10:30	AQ	3	X X X	VOAs w/HC1
<b>Retrieved by (Signature):</b> 		<b>Received by (Signature):</b> Secure location		<b>Date:</b> 11/10/04	<b>Time:</b> 10:00	
<b>Retrieved by (Signature):</b> 		<b>Received by (Signature):</b> 		<b>Date:</b> 11/11/04	<b>Time:</b> 12:17	
<b>Retrieved by (Signature):</b> 		<b>Received by (Signature):</b> 		<b>Date:</b> 11/11/04	<b>Time:</b> 16:46	

C&S Sample 07110924-112

**Cambria Environmental Emeryville**

November 15, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 98995139

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 11/08/2004 12:04

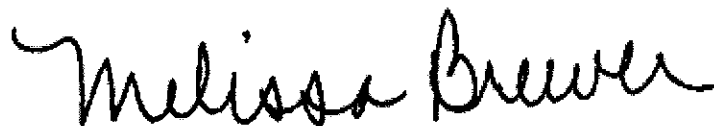
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/23/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	11/08/2004 09:00	Water	1

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

Page 1 of 8

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW-N</b>	Lab ID: 2004-11-0254 - 1
Sampled: 11/08/2004 09:00	Extracted: 11/9/2004 20:10 11/12/2004 17:07
Matrix: Water	QC Batch#: 2004/11/09-2A.64 2004/11/12-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	100000	5000	ug/L	100.00	11/09/2004 20:10	
Benzene	1300	50	ug/L	100.00	11/09/2004 20:10	
Toluene	35000	100	ug/L	200.00	11/12/2004 17:07	
Ethylbenzene	1900	50	ug/L	100.00	11/09/2004 20:10	
Total xylenes	18000	100	ug/L	100.00	11/09/2004 20:10	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	11/09/2004 20:10	
Methyl tert-butyl ether (MTBE)	1900	50	ug/L	100.00	11/09/2004 20:10	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	11/09/2004 20:10	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	11/09/2004 20:10	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	11/09/2004 20:10	
1,2-DCA	ND	50	ug/L	100.00	11/09/2004 20:10	
EDB	ND	50	ug/L	100.00	11/09/2004 20:10	
Ethanol	ND	5000	ug/L	100.00	11/09/2004 20:10	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.0	76-130	%	1.00	11/12/2004 17:07	
1,2-Dichloroethane-d4	95.1	76-130	%	1.00	11/09/2004 20:10	
Toluene-d8	100.9	78-115	%	1.00	11/12/2004 17:07	
Toluene-d8	101.4	78-115	%	1.00	11/09/2004 20:10	

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/11/09-2A.64-012

**Water**

Test(s): 8260B

**QC Batch # 2004/11/09-2A.64**

Date Extracted: 11/09/2004 18:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/09/2004 18:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/09/2004 18:12	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/09/2004 18:12	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/09/2004 18:12	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/09/2004 18:12	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/09/2004 18:12	
1,2-DCA	ND	0.5	ug/L	11/09/2004 18:12	
EDB	ND	0.5	ug/L	11/09/2004 18:12	
Benzene	ND	0.5	ug/L	11/09/2004 18:12	
Toluene	ND	0.5	ug/L	11/09/2004 18:12	
Ethylbenzene	ND	0.5	ug/L	11/09/2004 18:12	
Total xylenes	ND	1.0	ug/L	11/09/2004 18:12	
Ethanol	ND	50	ug/L	11/09/2004 18:12	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.8	76-130	%	11/09/2004 18:12	
Toluene-d8	97.8	78-115	%	11/09/2004 18:12	

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/11/12-1A.64-031

Water

Test(s): 8260B

QC Batch # 2004/11/12-1A.64

Date Extracted: 11/12/2004 12:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/12/2004 12:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/12/2004 12:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/12/2004 12:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/12/2004 12:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/12/2004 12:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/12/2004 12:31	
1,2-DCA	ND	0.5	ug/L	11/12/2004 12:31	
EDB	ND	0.5	ug/L	11/12/2004 12:31	
Benzene	ND	0.5	ug/L	11/12/2004 12:31	
Toluene	ND	0.5	ug/L	11/12/2004 12:31	
Ethylbenzene	ND	0.5	ug/L	11/12/2004 12:31	
Total xylenes	ND	1.0	ug/L	11/12/2004 12:31	
Ethanol	ND	50	ug/L	11/12/2004 12:31	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.6	76-130	%	11/12/2004 12:31	
Toluene-d8	100.2	78-115	%	11/12/2004 12:31	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/11/09-2A.64**

LCS 2004/11/09-2A.64-050

Extracted: 11/09/2004

Analyzed: 11/09/2004 17:50

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.4		25	93.6			65-165	20		
Benzene	23.7		25	94.8			69-129	20		
Toluene	22.5		25	90.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	460		500	92.0			76-130			
Toluene-d8	483		500	96.6			78-115			



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/11/12-1A.64**

LCS 2004/11/12-1A.64-009

Extracted: 11/12/2004

Analyzed: 11/12/2004 12:09

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.5		25	110.0			65-165	20		
Benzene	27.4		25	109.6			69-129	20		
Toluene	27.4		25	109.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	478		500	95.6			76-130			
Toluene-d8	497		500	99.4			78-115			

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/11/09-2A.64**

MS/MSD

Lab ID: 2004-11-0118 - 009

MS: 2004/11/09-2A.64-026

Extracted: 11/09/2004

Analyzed: 11/09/2004 19:26

Dilution: 1.00

MSD: 2004/11/09-2A.64-048

Extracted: 11/09/2004

Analyzed: 11/09/2004 19:48

Dilution: 1.00

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	26.7	22.4	ND	25	106.8	89.6	17.5	65-165	20		
Benzene	23.4	20.3	ND	25	93.6	81.2	14.2	69-129	20		
Toluene	23.5	20.3	ND	25	94.0	81.2	14.6	70-130	20		
<b>Surrogate(s)</b>											
Toluene-d8	486	513		500	97.2	102.6		78-115			

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
98995139

Received: 11/08/2004 12:04

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/11/12-1A.64**

MS/MSD

Lab ID: 2004-11-0367 - 001

MS: 2004/11/12-1A.64-032

Extracted: 11/12/2004

Analyzed: 11/12/2004 14:32

Dilution: 1.00

MSD: 2004/11/12-1A.64-055

Extracted: 11/12/2004

Analyzed: 11/12/2004 14:55

Dilution: 1.00

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	28.4	25.2	ND	25	113.6	100.8	11.9	65-165	20		
Benzene	27.8	23.1	0.536	25	109.1	90.3	18.9	69-129	20		
Toluene	28.9	24.8	1.51	25	109.6	93.2	16.2	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	478	490		500	95.6	98.0		76-130			
Toluene-d8	493	475		500	98.6	95.0		78-115			

Severn Trent Laboratories, Inc.

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

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

11/15/2004 16:44

STL-San Francisco

# SHELL Chain Of Custody Record

95501

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

## 2004-11-0254

Karen Petryan

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 3 9

SAP or CRMT NUMBER (TS/CRMT)

DATE: 11/8/04

PAGE: 1 of 1

ADDRESS COMPANY <b>Camria Environmental Technology, Inc.</b>		LAB CODE <b>CETS</b>	SITE ADDRESS (Street and City) <b>1601 Webster, Alameda, CA</b>		CLIENT NO. (S)
ADDRESS <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		REF. OR CONTACT TO (Responsible Party or Designer) <b>Matt Derby</b>	PHONE NO. <b>510-420-3352</b>	E-MAIL <b>derby@camria.com</b>	CLIENT/TEST PROJECT NO. <b>205-0467-004</b>
PROJECT CONTACT (Agency or PCF Rep/Title) <b>Matt Derby</b>		SAP or CRMT NUMBER (TS/CRMT)			LAB USE ONLY
TELEPHONE <b>510-420-3332</b>	FAX <b>510-420-8170</b>	E-MAIL <b>derby@camria.com</b>			

Trey Jackson

### REQUESTED ANALYSIS

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

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

LA - RWQCS REPORT FORMAT  MET AGENCY: \_\_\_\_\_

LOGGING M/E BE CONFIRMATION HIGHEST \_\_\_\_\_ HIGHEST PER BORING \_\_\_\_\_ ALL \_\_\_\_\_

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

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	AQ. OP. CONT.	TPH - Puiguable	TPH - Extractable (80-15 ml)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenate	1,2 DCA and EBB	Ethanol	Methanol	VOCs by E260B	Semi-Volatiles by E260C	Lead <input type="checkbox"/> Trip <input type="checkbox"/> SLE <input type="checkbox"/> TELP	LUFTS <input type="checkbox"/> Temp <input type="checkbox"/> SLE <input type="checkbox"/> TELP	CAMS7 <input type="checkbox"/> Temp <input type="checkbox"/> SLE <input type="checkbox"/> TELP	Test for Disposal	TEMPERATURE ON RECEIPT °C	
		DATE	TIME																			
	TBW-N	11/8/04	9:00	AO	4.25	X	X	X	X	X	X	X	X									3
																						VOAs WHCI

# RUSH

Received by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Secure location</i>	Date: 11/8/04	Time: 9:30
Received by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 11/8/04	Time: 12:04
Received by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Jean Malien</i>	Date: 11-08-04	Time: 1501

**Cambria Environmental Emeryville**

November 30, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0467-004

Project: 97564701

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 11/16/2004 11:50

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 12/31/2004 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

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	11/16/2004 10:00	Water	1

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TBW-N Lab ID: 2004-11-0509 - 1  
 Sampled: 11/16/2004 10:00 Extracted: 11/29/2004 11:39  
 Matrix: Water QC Batch#: 2004/11/29-1A.66  
 Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	150000	25000	ug/L	500.00	11/29/2004 11:39	
Benzene	1200	250	ug/L	500.00	11/29/2004 11:39	
Toluene	40000	250	ug/L	500.00	11/29/2004 11:39	
Ethylbenzene	2600	250	ug/L	500.00	11/29/2004 11:39	
Total xylenes	23000	500	ug/L	500.00	11/29/2004 11:39	
tert-Butyl alcohol (TBA)	ND	2500	ug/L	500.00	11/29/2004 11:39	
Methyl tert-butyl ether (MTBE)	ND	2500	ug/L	500.00	11/29/2004 11:39	
Di-isopropyl Ether (DIPE)	ND	1000	ug/L	500.00	11/29/2004 11:39	
Ethyl tert-butyl ether (ETBE)	ND	1000	ug/L	500.00	11/29/2004 11:39	
tert-Amyl methyl ether (TAME)	ND	1000	ug/L	500.00	11/29/2004 11:39	
1,2-DCA	ND	250	ug/L	500.00	11/29/2004 11:39	
EDB	ND	250	ug/L	500.00	11/29/2004 11:39	
Ethanol	ND	25000	ug/L	500.00	11/29/2004 11:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.3	73-130	%	500.00	11/29/2004 11:39	
Toluene-d8	102.2	81-114	%	500.00	11/29/2004 11:39	

Severn Trent Laboratories, Inc.

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

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

11/30/2004 17:23

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/11/29-1A.66-028

Water

Test(s): 8260B

QC Batch # 2004/11/29-1A.66

Date Extracted: 11/29/2004 07:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/29/2004 07:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/29/2004 07:28	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	11/29/2004 07:28	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/29/2004 07:28	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/29/2004 07:28	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/29/2004 07:28	
1,2-DCA	ND	0.5	ug/L	11/29/2004 07:28	
EDB	ND	0.5	ug/L	11/29/2004 07:28	
Benzene	ND	0.5	ug/L	11/29/2004 07:28	
Toluene	ND	0.5	ug/L	11/29/2004 07:28	
Ethylbenzene	ND	0.5	ug/L	11/29/2004 07:28	
Total xylenes	ND	1.0	ug/L	11/29/2004 07:28	
Ethanol	ND	50	ug/L	11/29/2004 07:28	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.2	73-130	%	11/29/2004 07:28	
Toluene-d8	103.0	81-114	%	11/29/2004 07:28	



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004  
97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/11/29-1A.66**

LCS 2004/11/29-1A.66-006

Extracted: 11/29/2004

Analyzed: 11/29/2004 07:06

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.5		25	94.0			65-165	20		
Benzene	24.3		25	97.2			69-129	20		
Toluene	28.7		25	114.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	459		500	91.8			73-130			
Toluene-d8	488		500	97.6			81-114			

Severn Trent Laboratories, Inc.

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

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

11/30/2004 17:23

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/11/29-1A.66**

MS/MSD

Lab ID: 2004-11-0552 - 002

MS: 2004/11/29-1A.66-024

Extracted: 11/29/2004

Analyzed: 11/29/2004 12:24

Dilution: 1.00

MSD: 2004/11/29-1A.66-046

Extracted: 11/29/2004

Analyzed: 11/29/2004 12:46

Dilution: 1.00

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	41.6	40.6	9.37	25	128.9	124.9	3.2	65-165	20		
Benzene	34.7	32.8	4.22	25	121.9	114.3	6.4	69-129	20		
Toluene	35.0	33.6	0.89	25	136.4	130.8	4.2	70-130	20	M4	M4
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	518	498		500	103.6	99.6		73-130			
Toluene-d8	523	514		500	104.6	102.8		81-114			

Severn Trent Laboratories, Inc.

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

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

11/30/2004 17:23

Page 5 of 6

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0467-004

97564701

Received: 11/16/2004 11:50

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Analysis Flag**

L2

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

**Result Flag**

M4

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



**Blaine Tech Services, Inc.**

December 03, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 041123-PC2  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

Attached is our report for your samples received on 11/24/2004 17:41

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

Please note that any unused portion of the samples will be discarded after 01/08/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2

97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	11/23/2004 13:16	Water	1

Severn Trent Laboratories, Inc.

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

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

12/02/2004 11:10

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2

97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW-N</b>	Lab ID: 2004-11-0776 - 1
Sampled: 11/23/2004 13:16	Extracted: 12/1/2004 14:35
Matrix: Water	QC Batch#: 2004/12/01-1C.64

Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	83000	10000	ug/L	200.00	12/01/2004 14:35	
Benzene	640	100	ug/L	200.00	12/01/2004 14:35	
Toluene	27000	100	ug/L	200.00	12/01/2004 14:35	
Ethylbenzene	1700	100	ug/L	200.00	12/01/2004 14:35	
Total xylenes	20000	200	ug/L	200.00	12/01/2004 14:35	
tert-Butyl alcohol (TBA)	1300	1000	ug/L	200.00	12/01/2004 14:35	
Methyl tert-butyl ether (MTBE)	2300	100	ug/L	200.00	12/01/2004 14:35	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/01/2004 14:35	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/01/2004 14:35	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/01/2004 14:35	
1,2-DCA	ND	100	ug/L	200.00	12/01/2004 14:35	
EDB	ND	100	ug/L	200.00	12/01/2004 14:35	
Ethanol	ND	10000	ug/L	200.00	12/01/2004 14:35	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	94.2	76-130	%	200.00	12/01/2004 14:35	
Toluene-d8	95.3	78-115	%	200.00	12/01/2004 14:35	

Severn Trent Laboratories, Inc.

12/02/2004 11:10

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

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2

97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/12/01-1C.64-040

**Water**

Test(s): 8260B

**QC Batch # 2004/12/01-1C.64**

Date Extracted: 12/01/2004 07:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/01/2004 07:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/01/2004 07:40	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/01/2004 07:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/01/2004 07:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/01/2004 07:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/01/2004 07:40	
1,2-DCA	ND	0.5	ug/L	12/01/2004 07:40	
EDB	ND	0.5	ug/L	12/01/2004 07:40	
Benzene	ND	0.5	ug/L	12/01/2004 07:40	
Toluene	ND	0.5	ug/L	12/01/2004 07:40	
Ethylbenzene	ND	0.5	ug/L	12/01/2004 07:40	
Total xylenes	ND	1.0	ug/L	12/01/2004 07:40	
Ethanol	ND	50	ug/L	12/01/2004 07:40	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	92.6	76-130	%	12/01/2004 07:40	
Toluene-d8	97.4	78-115	%	12/01/2004 07:40	

Severn Trent Laboratories, Inc.

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

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

12/02/2004 11:10



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2  
97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/01-1C.64**

LCS 2004/12/01-1C.64-018

Extracted: 12/01/2004

Analyzed: 12/01/2004 07:18

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.7		25	102.8			65-165	20		
Benzene	25.5		25	102.0			69-129	20		
Toluene	26.6		25	106.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	435		500	87.0			76-130			
Toluene-d8	463		500	92.6			78-115			

Severn Trent Laboratories, Inc.

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

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

12/02/2004 11:10

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

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2  
97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/01-1C.64**

MS/MSD

Lab ID: 2004-11-0744 - 002

MS: 2004/12/01-1C.64-036

Extracted: 12/01/2004

Analyzed: 12/01/2004 11:36

Dilution: 1.00

MSD: 2004/12/01-1C.64-059

Extracted: 12/01/2004

Analyzed: 12/01/2004 11:59

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	24.5	24.9	0.543	25	95.8	97.4	1.7	65-165	20		
Benzene	22.8	24.2	ND	25	91.2	96.8	6.0	69-129	20		
Toluene	24.1	25.2	ND	25	96.4	100.8	4.5	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	460	464		500	91.9	92.8		76-130			
Toluene-d8	478	444		500	95.5	88.8		78-115			

Severn Trent Laboratories, Inc.

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

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

12/02/2004 11:10

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041123-PC2

97564701

Received: 11/24/2004 17:41

Site: 1601 Webster St., Alameda

---

**Legend and Notes**

---

**Analysis Flag**

L2

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

Severn Trent Laboratories, Inc.

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

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

12/02/2004 11:10



**Blaine Tech Services, Inc.**

December 09, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 041201-BA1  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

Attached is our report for your samples received on 12/02/2004 12:00

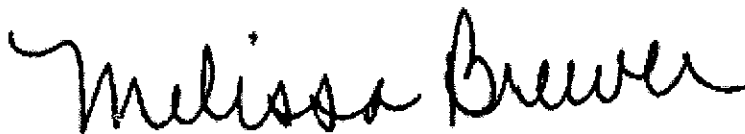
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/16/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	12/01/2004 09:20	Water	1

Severn Trent Laboratories, Inc.

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

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

12/08/2004 14:42

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: TBW-N	Lab ID: 2004-12-0068 - 1
Sampled: 12/01/2004 09:20	Extracted: 12/5/2004 16:04
Matrix: Water	QC Batch#: 2004/12/05-1B.64

Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	160000	10000	ug/L	200.00	12/05/2004 16:04	
Benzene	700	100	ug/L	200.00	12/05/2004 16:04	
Toluene	31000	100	ug/L	200.00	12/05/2004 16:04	
Ethylbenzene	2300	100	ug/L	200.00	12/05/2004 16:04	
Total xylenes	24000	200	ug/L	200.00	12/05/2004 16:04	
tert-Butyl alcohol (TBA)	1200	1000	ug/L	200.00	12/05/2004 16:04	
Methyl tert-butyl ether (MTBE)	2900	100	ug/L	200.00	12/05/2004 16:04	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/05/2004 16:04	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/05/2004 16:04	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/05/2004 16:04	
1,2-DCA	ND	100	ug/L	200.00	12/05/2004 16:04	
EDB	ND	100	ug/L	200.00	12/05/2004 16:04	
Ethanol	ND	10000	ug/L	200.00	12/05/2004 16:04	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.2	73-130	%	200.00	12/05/2004 16:04	
Toluene-d8	97.4	81-114	%	200.00	12/05/2004 16:04	

Severn Trent Laboratories, Inc.

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

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

12/08/2004 14:42

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/12/05-1B.64-029

**Water**

Test(s): 8260B

**QC Batch # 2004/12/05-1B.64**

Date Extracted: 12/05/2004 07:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/05/2004 07:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/05/2004 07:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/05/2004 07:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/05/2004 07:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/05/2004 07:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/05/2004 07:29	
1,2-DCA	ND	0.5	ug/L	12/05/2004 07:29	
EDB	ND	0.5	ug/L	12/05/2004 07:29	
Benzene	ND	0.5	ug/L	12/05/2004 07:29	
Toluene	ND	0.5	ug/L	12/05/2004 07:29	
Ethylbenzene	ND	0.5	ug/L	12/05/2004 07:29	
Total xylenes	ND	1.0	ug/L	12/05/2004 07:29	
Ethanol	ND	50	ug/L	12/05/2004 07:29	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.6	73-130	%	12/05/2004 07:29	
Toluene-d8	93.2	81-114	%	12/05/2004 07:29	

Severn Trent Laboratories, Inc.

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

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

12/08/2004 14:42



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/05-1B.64**

LCS 2004/12/05-1B.64-007

Extracted: 12/05/2004

Analyzed: 12/05/2004 07:07

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.6		25	98.4			65-165	20		
Benzene	23.2		25	92.8			69-129	20		
Toluene	23.7		25	94.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	464		500	92.8			73-130			
Toluene-d8	454		500	90.8			81-114			

Severn Trent Laboratories, Inc.

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

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

12/08/2004 14:42

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/05-1B.64**

MS/MSD

Lab ID: 2004-12-0056 - 002

MS: 2004/12/05-1B.64-050

Extracted: 12/05/2004

Analyzed: 12/05/2004 13:50

Dilution: 1.00

MSD: 2004/12/05-1B.64-012

Extracted: 12/05/2004

Analyzed: 12/05/2004 14:12

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	50.8	46.1	14.9	25	143.6	124.8	14.0	65-165	20		
Benzene	31.3	30.1	ND	25	125.2	120.4	3.9	69-129	20		
Toluene	31.8	30.2	ND	25	127.2	120.8	5.2	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	516	507		500	103.2	101.4		73-130			
Toluene-d8	493	496		500	98.6	99.2		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041201-BA1

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster St., Alameda

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**Legend and Notes**

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**Analysis Flag**

L2

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

Severn Trent Laboratories, Inc.

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

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

12/08/2004 14:42

Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

**2004-12-0068**

INCIDENT NUMBER (S&E ONLY)

9 7 5 6 4 7 0 1

SAP or CRMT NUMBER (TS/CRMT)

DATE: 12/1/04

PAGE: 1 of 1

SAMPLING COMPANY: <b>Blaine Tech Services</b>		LOG CODE: BTSS:	SITE ADDRESS (Street and City): <b>1601 Webster St., Alameda</b>	GLOBAL ID NO: <b>T0600137103</b>
ADDRESS: <b>1680 Rogers Avenue, San Jose, CA 95112</b>		BTSS:	SPR DELIVERABLE TO (Responsible Party or Customer): <b>Anni Kraml</b>	PHONE NO.: <b>(510) 420-3335</b>
PRINCIPAL CONTACT (Agency or PDF Report to): <b>Leon Gearhart</b>		E-MAIL: <b>lgearhart@blainetech.com</b>	CONSULTANT PROJECT NO: <b>041201-3A1</b>	
TELEPHONE: <b>408-573-0555</b>	FAX: <b>408-573-7771</b>	LAB USE ONLY		

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

LA - RWQCB REPORT FORMAT  USE 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
TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8250B - 0.5ppb RL)	Oxygenates (E) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260E)	EDB (8260E)	TEMPERATURE ON RECEIPT C*	
X	X			X	X		X	X		

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8250B - 0.5ppb RL)	Oxygenates (E) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260E)	EDB (8260E)
		DATE	TIME											
	TRW-N	12/1	0920	W	3	X	X			X	X		X	X

Requested by (Signature):	Received by (Signature):	Date: <u>12/2/04</u>	Time: <u>12:00</u>
Requested by (Signature):	Received by (Signature):	Date: <u>12/2/04</u>	Time: <u>14:10</u>

**Blaine Tech Services, Inc.**

December 16, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 041207-SS3  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

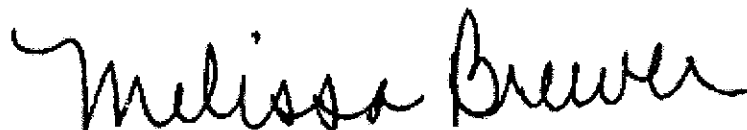
Attached is our report for your samples received on 12/08/2004 12:01  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
01/22/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3  
97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	12/07/2004 14:38	Water	1

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3  
97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

Prep(s): 5030B Test(s): 8260B  
Sample ID: **TBW-N** Lab ID: 2004-12-0290 - 1  
Sampled: 12/07/2004 14:38 Extracted: 12/16/2004 00:37  
Matrix: Water QC Batch#: 2004/12/15-2A.66  
Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	130000	10000	ug/L	200.00	12/16/2004 00:37	
Benzene	590	100	ug/L	200.00	12/16/2004 00:37	
Toluene	29000	100	ug/L	200.00	12/16/2004 00:37	
Ethylbenzene	2300	100	ug/L	200.00	12/16/2004 00:37	
Total xylenes	24000	200	ug/L	200.00	12/16/2004 00:37	
tert-Butyl alcohol (TBA)	1300	1000	ug/L	200.00	12/16/2004 00:37	
Methyl tert-butyl ether (MTBE)	2700	100	ug/L	200.00	12/16/2004 00:37	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/16/2004 00:37	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/16/2004 00:37	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/16/2004 00:37	
1,2-DCA	ND	100	ug/L	200.00	12/16/2004 00:37	
EDB	ND	100	ug/L	200.00	12/16/2004 00:37	
Ethanol	ND	10000	ug/L	200.00	12/16/2004 00:37	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.2	73-130	%	200.00	12/16/2004 00:37	
Toluene-d8	86.0	81-114	%	200.00	12/16/2004 00:37	

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

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3  
97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/12/15-2A.66

MB: 2004/12/15-2A.66-030

Date Extracted: 12/15/2004 20:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/15/2004 20:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/15/2004 20:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/15/2004 20:30	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/15/2004 20:30	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/15/2004 20:30	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/15/2004 20:30	
1,2-DCA	ND	0.5	ug/L	12/15/2004 20:30	
EDB	ND	0.5	ug/L	12/15/2004 20:30	
Benzene	ND	0.5	ug/L	12/15/2004 20:30	
Toluene	ND	0.5	ug/L	12/15/2004 20:30	
Ethylbenzene	ND	0.5	ug/L	12/15/2004 20:30	
Total xylenes	ND	1.0	ug/L	12/15/2004 20:30	
Ethanol	ND	50	ug/L	12/15/2004 20:30	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.6	73-130	%	12/15/2004 20:30	
Toluene-d8	95.0	81-114	%	12/15/2004 20:30	



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

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3  
97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/15-2A.66**

LCS 2004/12/15-2A.66-000  
LCSD

Extracted: 12/15/2004

Analyzed: 12/15/2004 19:00

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.4		25	85.6			65-165	20		
Benzene	21.0		25	84.0			69-129	20		
Toluene	23.2		25	92.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	432		500	86.4			73-130			
Toluene-d8	482		500	96.4			81-114			

Severn Trent Laboratories, Inc.

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

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

12/16/2004 10:03

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

Blaine Tech Services, Inc.  
Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3  
97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/15-2A.66**

MS/MSD

Lab ID: 2004-12-0402 - 003

MS: 2004/12/15-2A.66-022

Extracted: 12/16/2004

Analyzed: 12/16/2004 01:22

Dilution: 1.00

MSD: 2004/12/15-2A.66-044

Extracted: 12/16/2004

Analyzed: 12/16/2004 01:44

Dilution: 1.00

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	26.0	22.6	ND	25	104.0	90.4	14.0	65-165	20		
Benzene	26.5	22.8	ND	25	106.0	91.2	15.0	69-129	20		
Toluene	26.3	22.6	ND	25	105.2	90.4	15.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	464	493		500	92.8	98.6		73-130			
Toluene-d8	455	460		500	91.0	92.0		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041207-SS3

97564701

Received: 12/08/2004 12:01

Site: 1601 Webster St., Alameda

---

**Legend and Notes**

---

**Analysis Flag**

L2

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



**Blaine Tech Services, Inc.**

December 27, 2004

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 041215-BA2  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

Attached is our report for your samples received on 12/16/2004 11:30  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
01/30/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041215-BA2  
97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	12/15/2004 14:12	Water	1

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

 1680 Rogers Avenue  
 San Jose, CA 95112-1105  
 Phone: (408) 573-0555 Fax: (408) 573-7771

 Project: 041215-BA2  
 97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW-N</b>	Lab ID: 2004-12-0631 - 1
Sampled: 12/15/2004 14:12	Extracted: 12/23/2004 13:11
Matrix: Water	QC Batch#: 2004/12/23-1A.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	120000	10000	ug/L	200.00	12/23/2004 13:11	
Benzene	420	100	ug/L	200.00	12/23/2004 13:11	
Toluene	26000	100	ug/L	200.00	12/23/2004 13:11	
Ethylbenzene	2000	100	ug/L	200.00	12/23/2004 13:11	
Total xylenes	22000	200	ug/L	200.00	12/23/2004 13:11	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	12/23/2004 13:11	
Methyl tert-butyl ether (MTBE)	3300	100	ug/L	200.00	12/23/2004 13:11	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/23/2004 13:11	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/23/2004 13:11	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/23/2004 13:11	
1,2-DCA	ND	100	ug/L	200.00	12/23/2004 13:11	
EDB	ND	100	ug/L	200.00	12/23/2004 13:11	
Ethanol	ND	10000	ug/L	200.00	12/23/2004 13:11	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	124.3	73-130	%	200.00	12/23/2004 13:11	
Toluene-d8	107.7	81-114	%	200.00	12/23/2004 13:11	

Severn Trent Laboratories, Inc.

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

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

12/27/2004 12:44

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041215-BA2  
97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2004/12/23-1A.64**

MB: 2004/12/23-1A.64-029

Date Extracted: 12/23/2004 10:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/23/2004 10:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/23/2004 10:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/23/2004 10:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/23/2004 10:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/23/2004 10:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/23/2004 10:29	
1,2-DCA	ND	0.5	ug/L	12/23/2004 10:29	
EDB	ND	0.5	ug/L	12/23/2004 10:29	
Benzene	ND	0.5	ug/L	12/23/2004 10:29	
Toluene	ND	0.5	ug/L	12/23/2004 10:29	
Ethylbenzene	ND	0.5	ug/L	12/23/2004 10:29	
Total xylenes	ND	1.0	ug/L	12/23/2004 10:29	
Ethanol	ND	50	ug/L	12/23/2004 10:29	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	112.8	73-130	%	12/23/2004 10:29	
Toluene-d8	108.0	81-114	%	12/23/2004 10:29	



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041215-BA2  
97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/23-1A.64**

LCS 2004/12/23-1A.64-008

Extracted: 12/23/2004

Analyzed: 12/23/2004 10:08

LCSD

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		25	106.4			65-165	20		
Benzene	24.6		25	98.4			69-129	20		
Toluene	25.6		25	102.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	549		500	109.8			73-130			
Toluene-d8	553		500	110.6			81-114			

Severn Trent Laboratories, Inc.

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

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

12/27/2004 12:44

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041215-BA2  
97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/23-1A.64**

MS/MSD

Lab ID: 2004-12-0648 - 004

MS: 2004/12/23-1A.64-022

Extracted: 12/23/2004

Analyzed: 12/23/2004 11:22

Dilution: 1.00

MSD: 2004/12/23-1A.64-044

Extracted: 12/23/2004

Analyzed: 12/23/2004 11:44

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	31.2	27.5	ND	25	124.8	110.0	12.6	69-129	20		
Toluene	33.4	27.8	ND	25	133.6	111.2	18.3	70-130	20	M4	
Methyl tert-butyl ether	32.2	31.8	ND	25	128.8	127.2	1.3	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	573	605		500	114.6	120.9		73-130			
Toluene-d8	548	542		500	109.6	108.3		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041215-BA2

97564701

Received: 12/16/2004 11:30

Site: 1601 Webster St., Alameda

---

**Legend and Notes**

---

**Analysis Flag**

L2

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

**Result Flag**

M4

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

Lab Identification (if necessary)  
 Address:  
 City, State, Zip:

Shell Project Manager to be invoiced:  
 Karen Petryna  
 2004-12-06381

INCIDENT NUMBER (S&E ONLY)  
 9 7 5 6 4 7 0 1  
 SAP or CRMT NUMBER (TS/CRMT)

DATE: 12/15/04  
 PAGE: 1 of 1

SAMPLER COMPANY: Blaine Tech Services  
 ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112  
 PROJECT CONTACT (Name and/or PDP Region): Leon Gearhart  
 PHONE: 408-573-0555 FAX: 408-573-7771 EMAIL: lgearhart@blainetech.com

LAB CODE: BTSS  
 DATE ADDRESS (Street and City): 1601 Webster St., Alameda  
 GLOBAL ID#: T0600137103  
 PDP DELIVERABLE TO (Responsible Party or Department): Anni Kroml  
 PHONE NO: (510) 420-3335  
 EMAIL: ShellOaklandEDF@cambrin-env.com  
 CONSULTANT PROJECT ID: 0412153A2  
 BTS #:   
 SAMPLER NAME (if any): Brian Alcorn  
 LAB USE ONLY

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

LA - RWQOII 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 - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8250B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)													
X	X			X	X		X	X													

FIELD NOTES:  
 Container/Preservative  
 or PID Readings  
 or Laboratory Notes  
 2<sup>nd</sup>  
 TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification				SAMPLING		MATRIX	NO. OF CONT.
	DATE	TIME						
	TBW-N	12/15	1412	W	3			

Requested by (Signature): [Signature] Received by (Signature): [Signature]  
 Date: 12/15/04 Time: 1725  
 Requested by (Signature): [Signature] Received by (Signature): [Signature]  
 Date: 12/16/04 Time: 1725

**Blaine Tech Services, Inc.**

January 03, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: BTS#C41223-MD2  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

Attached is our report for your samples received on 12/27/2004 11:00

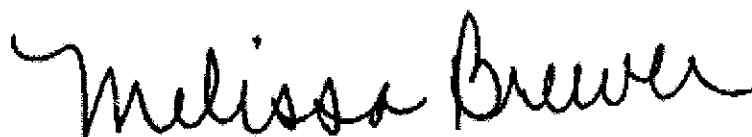
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/10/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2  
97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	12/23/2004 13:20	Water	1

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2  
97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

Prep(s): 5030B Test(s): 8260B  
Sample ID: TBW-N Lab ID: 2004-12-0825 - 1  
Sampled: 12/23/2004 13:20 Extracted: 12/29/2004 22:07  
Matrix: Water QC Batch#: 2004/12/29-2B.66  
Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	100000	10000	ug/L	200.00	12/29/2004 22:07	
Benzene	220	100	ug/L	200.00	12/29/2004 22:07	
Toluene	23000	100	ug/L	200.00	12/29/2004 22:07	
Ethylbenzene	1900	100	ug/L	200.00	12/29/2004 22:07	
Total xylenes	20000	200	ug/L	200.00	12/29/2004 22:07	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	12/29/2004 22:07	
Methyl tert-butyl ether (MTBE)	1900	100	ug/L	200.00	12/29/2004 22:07	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/29/2004 22:07	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/29/2004 22:07	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/29/2004 22:07	
1,2-DCA	ND	100	ug/L	200.00	12/29/2004 22:07	
EDB	ND	100	ug/L	200.00	12/29/2004 22:07	
Ethanol	ND	10000	ug/L	200.00	12/29/2004 22:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.8	73-130	%	200.00	12/29/2004 22:07	
Toluene-d8	88.7	81-114	%	200.00	12/29/2004 22:07	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2  
97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/12/29-2B.66-036

Water

Test(s): 8260B

QC Batch # 2004/12/29-2B.66

Date Extracted: 12/29/2004 18:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/29/2004 18:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/29/2004 18:36	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/29/2004 18:36	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/29/2004 18:36	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/29/2004 18:36	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/29/2004 18:36	
1,2-DCA	ND	0.5	ug/L	12/29/2004 18:36	
EDB	ND	0.5	ug/L	12/29/2004 18:36	
Benzene	ND	0.5	ug/L	12/29/2004 18:36	
Toluene	ND	0.5	ug/L	12/29/2004 18:36	
Ethylbenzene	ND	0.5	ug/L	12/29/2004 18:36	
Total xylenes	ND	1.0	ug/L	12/29/2004 18:36	
Ethanol	ND	50	ug/L	12/29/2004 18:36	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	96.8	73-130	%	12/29/2004 18:36	
Toluene-d8	89.4	81-114	%	12/29/2004 18:36	



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2  
97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/29-2B.66**

LCS 2004/12/29-2B.66-013

Extracted: 12/29/2004

Analyzed: 12/29/2004 18:13

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7		25	90.8			65-165	20		
Benzene	22.6		25	90.4			69-129	20		
Toluene	24.8		25	99.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	451		500	90.2			73-130			
Toluene-d8	456		500	91.2			81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2

97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/29-2B.66**

MS/MSD

Lab ID: 2004-12-0838 - 001

MS: 2004/12/29-2B.66-029

Extracted: 12/29/2004

Analyzed: 12/29/2004 19:29

Dilution: 1.00

MSD: 2004/12/29-2B.66-052

Extracted: 12/29/2004

Analyzed: 12/29/2004 19:52

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	26.2	23.4	ND	25	104.8	93.6	11.3	65-165	20		
Benzene	25.8	25.5	ND	25	103.2	102.0	1.2	69-129	20		
Toluene	27.0	26.7	ND	25	108.0	106.8	1.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	442	431		500	88.4	86.2		73-130			
Toluene-d8	448	454		500	89.6	90.8		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#C41223-MD2  
97564701

Received: 12/27/2004 11:00

Site: 1601 Webster St., Alameda

---

**Legend and Notes**

---

**Analysis Flag**

L2

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



**Blaine Tech Services, Inc.**

January 05, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 041227-MD3  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

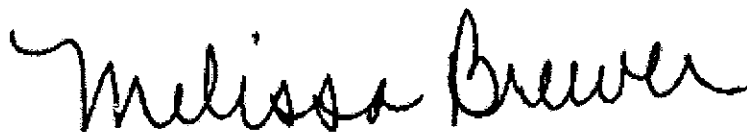
Attached is our report for your samples received on 12/28/2004 12:50  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
02/11/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041227-MD3

97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	12/27/2004 14:20	Water	1

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

 Project: 041227-MD3  
97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW-N</b>	Lab ID: 2004-12-0858 - 1
Sampled: 12/27/2004 14:20	Extracted: 12/30/2004 08:49
Matrix: Water	QC Batch#: 2004/12/30-1D.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	110000	10000	ug/L	200.00	12/30/2004 08:49	
Benzene	470	100	ug/L	200.00	12/30/2004 08:49	
Toluene	26000	100	ug/L	200.00	12/30/2004 08:49	
Ethylbenzene	2300	100	ug/L	200.00	12/30/2004 08:49	
Total xylenes	22000	200	ug/L	200.00	12/30/2004 08:49	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	12/30/2004 08:49	
Methyl tert-butyl ether (MTBE)	1800	100	ug/L	200.00	12/30/2004 08:49	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	12/30/2004 08:49	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	12/30/2004 08:49	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	12/30/2004 08:49	
1,2-DCA	ND	100	ug/L	200.00	12/30/2004 08:49	
EDB	ND	100	ug/L	200.00	12/30/2004 08:49	
Ethanol	ND	10000	ug/L	200.00	12/30/2004 08:49	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.2	73-130	%	200.00	12/30/2004 08:49	
Toluene-d8	103.7	81-114	%	200.00	12/30/2004 08:49	

Severn Trent Laboratories, Inc.

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

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

01/05/2005 11:22

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041227-MD3  
97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/12/30-1D.64-037

Water

Test(s): 8260B

QC Batch # 2004/12/30-1D.64

Date Extracted: 12/30/2004 07:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/30/2004 07:37	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/30/2004 07:37	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/30/2004 07:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/30/2004 07:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/30/2004 07:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/30/2004 07:37	
1,2-DCA	ND	0.5	ug/L	12/30/2004 07:37	
EDB	ND	0.5	ug/L	12/30/2004 07:37	
Benzene	ND	0.5	ug/L	12/30/2004 07:37	
Toluene	ND	0.5	ug/L	12/30/2004 07:37	
Ethylbenzene	ND	0.5	ug/L	12/30/2004 07:37	
Total xylenes	ND	1.0	ug/L	12/30/2004 07:37	
Ethanol	ND	50	ug/L	12/30/2004 07:37	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.2	73-130	%	12/30/2004 07:37	
Toluene-d8	103.2	81-114	%	12/30/2004 07:37	



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041227-MD3  
97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/30-1D.64**

LCS 2004/12/30-1D.64-015  
LCSD

Extracted: 12/30/2004

Analyzed: 12/30/2004 07:15

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.7		25	98.8			65-165	20		
Benzene	25.4		25	101.6			69-129	20		
Toluene	26.0		25	104.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	489		500	97.8			73-130			
Toluene-d8	511		500	102.2			81-114			

Severn Trent Laboratories, Inc.

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

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

01/05/2005 11:22

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041227-MD3  
97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/30-1D.64**

MS/MSD

Lab ID: 2004-12-0862 - 001

MS: 2004/12/30-1D.64-033

Extracted: 12/30/2004

Analyzed: 12/30/2004 09:33

Dilution: 1.00

MSD: 2004/12/30-1D.64-055

Extracted: 12/30/2004

Analyzed: 12/30/2004 09:55

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	28.7	28.2	ND	25	114.8	112.8	1.8	65-165	20		
Benzene	27.0	28.0	ND	25	108.0	112.0	3.6	69-129	20		
Toluene	28.0	29.4	ND	25	112.0	117.6	4.9	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	539	525		500	107.8	105.0		73-130			
Toluene-d8	510	500		500	102.0	100.0		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 041227-MD3  
97564701

Received: 12/28/2004 12:50

Site: 1601 Webster St., Alameda

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**Legend and Notes**

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**Analysis Flag**

L2

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



Blaine Tech Services, Inc.

February 01, 2005

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Attn.: Leon Gearhart  
Project#: 050117-DW-1  
Project: 97564701  
Site: 1601 Webster St., Alameda

Dear Mr. Gearhart,

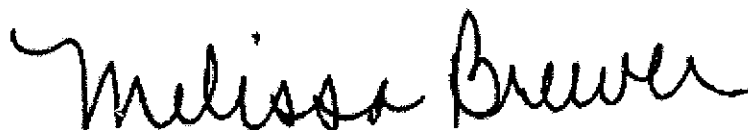
Attached is our report for your samples received on 01/18/2005 15:03  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
03/04/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050117-DW-1

97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TBW-N	01/17/2005 09:28	Water	1

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

 1680 Rogers Avenue  
 San Jose, CA 95112-1105  
 Phone: (408) 573-0555 Fax: (408) 573-7771

 Project: 050117-DW-1  
 97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>TBW-N</b>	Lab ID: 2005-01-0497 - 1
Sampled: 01/17/2005 09:28	Extracted: 1/28/2005 08:41
Matrix: Water	QC Batch#: 2005/01/28-1A.65
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	86000	10000	ug/L	200.00	01/28/2005 08:41	
Benzene	330	100	ug/L	200.00	01/28/2005 08:41	
Toluene	22000	100	ug/L	200.00	01/28/2005 08:41	
Ethylbenzene	2200	100	ug/L	200.00	01/28/2005 08:41	
Total xylenes	21000	200	ug/L	200.00	01/28/2005 08:41	
tert-Butyl alcohol (TBA)	1600	1000	ug/L	200.00	01/28/2005 08:41	
Methyl tert-butyl ether (MTBE)	1600	100	ug/L	200.00	01/28/2005 08:41	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	01/28/2005 08:41	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	01/28/2005 08:41	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	01/28/2005 08:41	
1,2-DCA	ND	100	ug/L	200.00	01/28/2005 08:41	
EDB	ND	100	ug/L	200.00	01/28/2005 08:41	
Ethanol	ND	10000	ug/L	200.00	01/28/2005 08:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.7	73-130	%	200.00	01/28/2005 08:41	
Toluene-d8	102.3	81-114	%	200.00	01/28/2005 08:41	

Severn Trent Laboratories, Inc.

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

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

01/31/2005 13:08

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050117-DW-1  
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Water**

**QC Batch # 2005/01/28-1A.65**

MB: 2005/01/28-1A.65-003

Date Extracted: 01/28/2005 08:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/28/2005 08:03	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	01/28/2005 08:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/28/2005 08:03	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	01/28/2005 08:03	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	01/28/2005 08:03	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	01/28/2005 08:03	
1,2-DCA	ND	0.5	ug/L	01/28/2005 08:03	
EDB	ND	0.5	ug/L	01/28/2005 08:03	
Benzene	ND	0.5	ug/L	01/28/2005 08:03	
Toluene	ND	0.5	ug/L	01/28/2005 08:03	
Ethylbenzene	ND	0.5	ug/L	01/28/2005 08:03	
Total xylenes	ND	1.0	ug/L	01/28/2005 08:03	
Ethanol	ND	50	ug/L	01/28/2005 08:03	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.2	73-130	%	01/28/2005 08:03	
Toluene-d8	103.0	81-114	%	01/28/2005 08:03	



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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050117-DW-1  
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2005/01/28-1A.65**

LCS 2005/01/28-1A.65-037

Extracted: 01/28/2005

Analyzed: 01/28/2005 07:37

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.4		25	81.6			65-165	20		
Benzene	19.7		25	78.8			69-129	20		
Toluene	21.0		25	84.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	424		500	84.8			73-130			
Toluene-d8	495		500	99.0			81-114			

Severn Trent Laboratories, Inc.

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

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

01/31/2005 13:08

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue  
San Jose, CA 95112-1105  
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050117-DW-1  
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2005/01/28-1A.65**

MS/MSD

Lab ID: 2005-01-0590 - 009

MS: 2005/01/28-1A.65-014

Extracted: 01/28/2005

Analyzed: 01/28/2005 11:14

Dilution: 1.00

MSD: 2005/01/28-1A.65-040

Extracted: 01/28/2005

Analyzed: 01/28/2005 11:40

Dilution: 1.00

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	77.1	71.5	50.1	25	108.0	85.6	23.1	65-165	20		R1
Benzene	22.6	23.1	ND	25	90.4	92.4	2.2	69-129	20		
Toluene	23.9	23.2	ND	25	95.6	92.8	3.0	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	487	469		500	97.4	93.8		73-130			
Toluene-d8	511	514		500	102.3	102.8		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050117-DW-1  
97564701

Received: 01/18/2005 15:03

Site: 1601 Webster St., Alameda

---

**Legend and Notes**

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**Analysis Flag**

L2

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

**Result Flag**

R1

Analyte RPD was out of QC limits.



**Attachment C**

**Standard Field Procedures for Soil Borings**

# CAMBRIA

## STANDARD FIELD PROCEDURES FOR SOIL BORINGS

This document describes Cambria Environmental Technology's standard field methods for drilling and sampling soil borings. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

### Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

### Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- X Principal and secondary grain size category (i.e. sand, silt, clay or gravel)
- X Approximate percentage of each grain size category,
- X Color,
- X Approximate water or product saturation percentage,
- X Observed odor and/or discoloration,
- X Other significant observations (i.e. cementation, presence of marker horizons, mineralogy), and
- X Estimated permeability.

### Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or hydraulic push technologies. At least one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments beyond the bottom of the borehole. The vertical location of each soil sample is determined by measuring the distance from the middle of the soil sample tube to the end of the drive rod used to advance the split barrel sampler. All sample depths use the ground surface immediately adjacent to the boring as a datum. The horizontal location of each boring is measured in the field from an onsite permanent reference using a measuring wheel or tape measure.

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

### Sample Storage, Handling and Transport

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

# CAMBRIA

## **Field Screening**

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

## **Water Sampling**

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch type sampler or are collected from the open borehole using bailers. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory.

## **Duplicates and Blanks**

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory QA/QC blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

## **Grouting**

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

## **Waste Handling and Disposal**

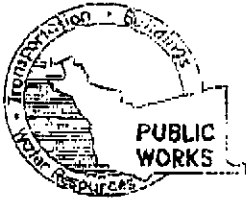
Soil cuttings from drilling activities are usually stockpiled onsite on top of and covered by plastic sheeting. At least four individual soil samples are collected from the stockpiles for later compositing at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Ground water removed during sampling and/or rinsate generated during decontamination procedures are stored onsite in sealed 55 gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Disposal of the water is based on the analytic results for the well samples. The water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

**ATTACHMENT D**

**Boring Permit**





### ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

www.acfwd.org

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

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1601 Webster St.  
Alameda, CA 94501

PERMIT NUMBER W04-1157  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

CLIENT  
Name Shell Oil Products Co. (US)  
Address 70445 Wilmington Phone 559-645-4306  
City Carson, CA Zip 90810

APPLICANT  
Name Cambric Environmental Inc.  
Address 5900 Halls St. Fax 510-920-9170  
City Emeryville, CA Phone 510-450-3339 Zip 94608

#### TYPE OF PROJECT

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

#### PROPOSED WATER SUPPLY WELL USE

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

#### DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	<u>geoprobe (8)</u>	

DRILLER'S NAME Vironex

DRILLER'S LICENSE NO. 705-927

#### WELL PROJECTS

Drill Hole Diameter	_____ in.	Maximum	_____ ft.
Casing Diameter	_____ in.	Depth	_____ ft.
Surface Seal Depth	_____ ft.	Owner's Well Number	_____

#### GEOTECHNICAL/CONTAMINATION PROJECTS

Number of Borings	<u>(8)</u>	Maximum	_____ ft.
Hole Diameter	<u>3/4</u> in.	Depth	<u>25</u> ft.

STARTING DATE 11/30/04

COMPLETION DATE 12/01/04

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-04.

APPLICANT'S SIGNATURE [Signature] DATE 11/19/04

PLEASE PRINT NAME STEWART DALE II Rev. 5-11-04  
CAMBRIC

#### PERMIT CONDITIONS

Circled Permit Requirements Apply

##### A. GENERAL

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

##### B. WATER SUPPLY WELLS

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

##### C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

##### D. GEOTECHNICAL/CONTAMINATION

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

##### E. CATHODIC

Fill into anode zone with concrete placed by tremie.

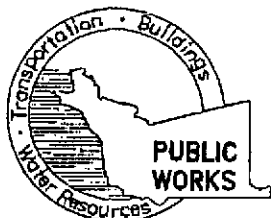
##### F. WELL DESTRUCTION

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

##### G. SPECIAL CONDITIONS - B#7

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

APPROVED [Signature] DATE 11/19/04



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

### WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD, CA. 94544-1395

PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

**PERMIT NO. W04-1197**

### WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE

#### **B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES**

1. Prior to any drilling activities, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.
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. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
4. Permit is valid only for the purpose specified herein **November 30 to December 1, 2004**. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
6. 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.
7. Applicant shall contact George Bolton for a inspection time at 510-670-5594 ASAP.

*Inspection  
waived  
11-18-04  
JY.*

**ATTACHMENT E**

**Boring Logs**



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

# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-1
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	30-Nov-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	30-Nov-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	6.5 ft (30-Nov-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Asphalt</b>	0.8	
					GW		<b>Well Graded GRAVEL with Sand (GW)</b> ; Black to gray; loose; dry; 60% gravel, 40% sand. Base rock and fill material.	1.5	
							<b>Very Fine, Poorly Graded SAND (SP)</b> ; Brown; loose; damp; 100% sand.		
							Reddish brown.		
							Two other attempts for SB-1. Refusal encountered at approximately 1.5 to 2.5 fbg.		
0.4		SB-1- 5'		5			Poorly graded Sand with some fines; damp to moist; 10% silt, 90% sand.		
0.6		SB-1- 6.5'							
0.6		SB-1- W							
					SP				
		SB-1- W10'		10			Medium dense; wet.		
		SB-1- W15'		15			Coarse Poorly Graded Sand; 100% sand.		
				15.0				15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA 1601 WEBSTER\GINT\ALAMEDA.GPJ DEFAULT.GDT 2/7/05



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-2
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	01-Dec-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	01-Dec-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.0 ft (01-Dec-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Asphalt</b>	0.8	
					GW		<b>Well Graded GRAVEL with Sand</b> (GW); Gray; loose; dry; 75% gravel, 25% sand. Baserock, fill material.	1.7	
							<b>Very fine Poorly Graded SAND</b> (SP); Brown; loose; dry; 95% sand, 5% silt. Medium grained sand with fines and gravel, 85% sand, 10% silt, 5% gravel.		
0.5		SB-2- 5'		5			One other attempt for SB-2. Refusal encountered at approximately 1 to 2 fbg.		
0.4		SB-2- 6.5' SB-2- W					Sand with silt; light brownish gray with reddish mottling; moist to wet; <15% silt, +85% sand.		
					SP				Portland Type I/II Cement
							NR = No water sample recovery, attempted hydropunch location.		
		SB-2- W15'					Light gray with brown mottling to reddish brown; wet; 100% sand.	15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA 1601 WEBSTER\INITIALAMEDA.GPJ DEFAULT.GDT 2/3/05



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-3
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	01-Dec-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	01-Dec-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.0 ft (01-Dec-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						<b>Asphalt</b>	0.8	
				GW		<b>Well Graded GRAVEL with Sand and Concrete Debris (GW)</b> ; Grayish brown; loose; damp; 75% gravel; 15% sand, 10% silt. Baserock, fill material.	3.0	
0.6		SB-3- 5'	5			<b>Poorly Graded Fine SAND (SP)</b> ; Brown; loose; damp; 95% sand, 5% silt.  Three other attempts for SB-3. Refusal encountered at approximately 2 to 3 fbg.		
0.5		SB-3- 6.5' SB-3- W		SP		Sand with silt; light grayish brown; medium dense; moist to wet; 85% sand, 15% silt.		
		NR	10			NR = No water sample recovery, attempted hydropunch location.		← Portland Type I/II Cement
		NR	15			Coarse sand, 100%. NR = No water sample recovery, attempted hydropunch location.	15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID), G:\ALAMEDA\1601 WEBSTER\GINTALAMEDA.GPJ DEFAULT.GDT 2/7/05



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-4
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	02-Dec-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	02-Dec-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.9 ft (02-Dec-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Asphalt</b>	0.8	
					GW		<b>Well graded GRAVEL with Sand (GW)</b> ; Black; loose; dry; 10% silt, 10% sand, 10% gravel. Baserock, fill material.	1.7	
							<b>Poorly Graded Fine SAND (SP)</b> ; Brown; loose; dry; 100% sand.		
							Three other attempts for SB-4. Refusal encountered at approximately 1 to 2 fbg.		
0.8		SB-4- 5'		5			Medium dense; damp, 90% sand, 10% silt.		
0.4		SB-4- 6.5'							
		SB-4- W			SP				Portland Type I/II Cement
		NR		10			NR = No water sample recovery, attempted hydropunch location.		
		SB-4- W15'					Grayish brown; loose; wet; 100% coarse sand.		
				15				15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA\1601 WEBSTER\GINTALAMEDA.GPJ DEFAULT.GDT 2/3/05



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-5
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	30-Nov-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	30-Nov-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.2 ft (30-Nov-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Concrete</b>	1.0	
					GW		<b>Well Graded GRAVEL with Silt and Sand (GW)</b> ; Gray; loose; dry; 70% gravel, 15% silt, 15% sand. Baserock and fill material.	2.1	
							<b>Poorly Graded fine SAND (SP)</b> ; Brown; loose; damp; 90% sand, 10% silt.		
0.4		SB-5- 5'		5					
1.5		SB-5- 6.5'					Sand with silt, brown; medium dense; moist to wet; 85% sand, 15% silt.		
		SB-5- W			SP				
				10			NR = No water sample recovery, attempted hydropunch location.		
		SB-5- W15'					Coarse sand; grayish brown; loose; wet; 100% sand.		
				15				15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA\1601 WEBSTER\GINTALAMEDA.GPJ DEFAULT.GDT 2/3/05





CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-6
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	30-Nov-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	30-Nov-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.0 ft (30-Nov-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Concrete</b>	1.0	
					GW		<b>Well Graded GRAVEL with Silt and Sand</b> (GW); Black, loose; dry; 80% gravel, 10% silt, 10% sand. Baserock and fill material.	2.2	
							<b>Poorly Graded SAND</b> (SP); Brown; loose; dry; 100% sand.		
0.8		SB-6- 5'		5					
1.2		SB-6- 6.5' SB-6- W					Reddish brown; medium dense; moist; 95% sand, 5% silt.		
					SP				
		NR		10			Olive gray; slight odor; dense; wet; 90% sand, 10% silt. NR = No water sample recovery, attempted hydropunch location.		
		SB-6- W15'		15			Coarse sand; grayish brown; loose; wet; 100% sand.	15.0	
									Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA 1601 WEBSTER\GINTALAMEDA.GPJ DEFAULT.GDT 2/3/05



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# BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-7
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	30-Nov-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	30-Nov-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	8.0 ft (30-Nov-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
						Concrete	1.0	
				GW		Well Graded GRAVEL with Silt (GW); Black, loose; dry; 85% gravel, 15% silt. Baserock and fill material.	1.8	
						Poorly Graded fine SAND (SP); Brownish gray; loose; dry; 100% sand.		
0.2		SB-7- 5"	5					
0.2		SB-7- 6.5'				Sand with silt; reddish brown; moist to wet; medium dense; 90% sand, 10% silt.		
		SB-7- W		SP				Portland Type I/II Cement
		NR	10			NR = No water sample recovery, attempted hydropunch location.		
		SB-7- W15'						
			15			Coarse sand; olive gray; loose; wet; 100% sand.	15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA 1601 WEBSTER\INITIAL\ALAMEDA.GPJ DEFAULT.GDT 2/3/05



CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-8
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	02-Dec-04
LOCATION	1601 Webster Street, Alameda, California	DRILLING COMPLETED	02-Dec-04
PROJECT NUMBER	246-0467-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Vironex	GROUND SURFACE ELEVATION	
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3.25"	SCREENED INTERVAL	NA
LOGGED BY	Stewart A. Dalie IV	DEPTH TO WATER (First Encountered)	7.1 ft (02-Dec-04)
REVIEWED BY	Matthew W. Derby P.E. C55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							<b>Asphalt</b>	0.9	
					GW		Well Graded GRAVEL with Silt and Sand (GW); Black; loose; dry; 70% gravel, 15% silt, 15% sand. Baserock and fill material.	2.8	
							Poorly Graded SAND (SP); Brown; medium dense; damp; 90% sand, 10% silt.		
0.5		SB-8- 5'		5			One other attempt for SB-8. Refusal encountered at approximately 1 to 2 fbg.		
859		SB-8- 6.5' SB-8- W					Sand with silt, olive gray, hydrocarbon odor; moist to wet; <15% silt, +85% sand.		
					SP				Portland Type I/II Cement
							NR = No water sample recovery, attempted hydropunch location.		
							Olive gray; coarse sand; medium dense to loose; wet; slight hydrocarbon odor; 100% sand.		
		SB-8- W15'		15				15.0	Bottom of Boring @ 15 ft

WELL LOG SONOMA (PID) G:\ALAMEDA 1601 WEBSTER\GINTALAMEDA.GPJ DEFAULT.GDT 2/3/05

**ATTACHMENT F**

**Certified Analytical Laboratory Reports**

**Cambria Environmental Emeryville**

December 17, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 246-0467-007

Project: 97564701

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 12/02/2004 12:00

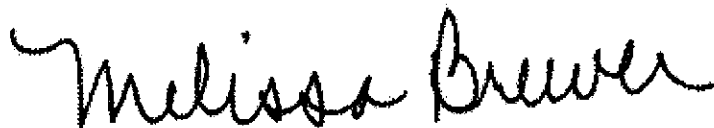
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 01/16/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1-W	11/30/2004 09:30	Water	3
SB-1-W10`	11/30/2004 09:50	Water	4
SB-1-W15`	11/30/2004 10:10	Water	5
SB-5-W	11/30/2004 14:30	Water	8
SB-5-W15`	11/30/2004 14:50	Water	9
SB-2-W	12/01/2004 08:15	Water	12
SB-2-W15	12/01/2004 09:45	Water	13
SB-3-W	12/01/2004 11:45	Water	16
SB-6-W	11/30/2004 15:30	Water	19
SB-6-W15`	11/30/2004 17:15	Water	20
SB-7-W	11/30/2004 16:15	Water	23
SB-7-W15`	11/30/2004 16:30	Water	24

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-W	Lab ID:	2004-12-0191 - 3
Sampled:	11/30/2004 09:30	Extracted:	12/12/2004 19:31
Matrix:	Water	QC Batch#:	2004/12/12-1B.64
Analysis Flag: L2 ( -See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2500	ug/L	50.00	12/12/2004 19:31	
Benzene	ND	25	ug/L	50.00	12/12/2004 19:31	
Toluene	ND	25	ug/L	50.00	12/12/2004 19:31	
Ethylbenzene	ND	25	ug/L	50.00	12/12/2004 19:31	
Total xylenes	ND	50	ug/L	50.00	12/12/2004 19:31	
tert-Butyl alcohol (TBA)	ND	250	ug/L	50.00	12/12/2004 19:31	
Methyl tert-butyl ether (MTBE)	6000	25	ug/L	50.00	12/12/2004 19:31	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	12/12/2004 19:31	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	12/12/2004 19:31	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	12/12/2004 19:31	
1,2-DCA	ND	25	ug/L	50.00	12/12/2004 19:31	
EDB	ND	25	ug/L	50.00	12/12/2004 19:31	
Ethanol	ND	2500	ug/L	50.00	12/12/2004 19:31	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	90.9	73-130	%	50.00	12/12/2004 19:31	
Toluene-d8	95.4	81-114	%	50.00	12/12/2004 19:31	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
Sample ID: **SB-1-W10** Lab ID: 2004-12-0191 - 4  
Sampled: 11/30/2004 09:50 Extracted: 12/14/2004 16:31  
Matrix: Water QC Batch#: 2004/12/14-1B.64  
Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	250	ug/L	5.00	12/14/2004 16:31	
Benzene	ND	2.5	ug/L	5.00	12/14/2004 16:31	
Toluene	ND	2.5	ug/L	5.00	12/14/2004 16:31	
Ethylbenzene	ND	2.5	ug/L	5.00	12/14/2004 16:31	
Total xylenes	ND	5.0	ug/L	5.00	12/14/2004 16:31	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	12/14/2004 16:31	
Methyl tert-butyl ether (MTBE)	300	2.5	ug/L	5.00	12/14/2004 16:31	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	12/14/2004 16:31	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	12/14/2004 16:31	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	12/14/2004 16:31	
1,2-DCA	ND	2.5	ug/L	5.00	12/14/2004 16:31	
EDB	ND	2.5	ug/L	5.00	12/14/2004 16:31	
Ethanol	ND	250	ug/L	5.00	12/14/2004 16:31	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	89.8	73-130	%	5.00	12/14/2004 16:31	
Toluene-d8	93.4	81-114	%	5.00	12/14/2004 16:31	



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-W15	Lab ID:	2004-12-0191 - 5
Sampled:	11/30/2004 10:10	Extracted:	12/13/2004 19:52
Matrix:	Water	QC Batch#:	2004/12/13-2B.64
Analysis Flag: L2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	13000	ug/L	250.00	12/13/2004 19:52	
Benzene	ND	130	ug/L	250.00	12/13/2004 19:52	
Toluene	ND	130	ug/L	250.00	12/13/2004 19:52	
Ethylbenzene	ND	130	ug/L	250.00	12/13/2004 19:52	
Total xylenes	ND	250	ug/L	250.00	12/13/2004 19:52	
tert-Butyl alcohol (TBA)	1700	1300	ug/L	250.00	12/13/2004 19:52	
Methyl tert-butyl ether (MTBE)	24000	130	ug/L	250.00	12/13/2004 19:52	
Di-isopropyl Ether (DIPE)	ND	500	ug/L	250.00	12/13/2004 19:52	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/L	250.00	12/13/2004 19:52	
tert-Amyl methyl ether (TAME)	ND	500	ug/L	250.00	12/13/2004 19:52	
1,2-DCA	ND	130	ug/L	250.00	12/13/2004 19:52	
EDB	ND	130	ug/L	250.00	12/13/2004 19:52	
Ethanol	ND	13000	ug/L	250.00	12/13/2004 19:52	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.9	73-130	%	250.00	12/13/2004 19:52	
Toluene-d8	98.6	81-114	%	250.00	12/13/2004 19:52	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-5-W	Lab ID: 2004-12-0191 - 8
Sampled: 11/30/2004 14:30	Extracted: 12/13/2004 20:15
Matrix: Water	QC Batch#: 2004/12/13-2B.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	12/13/2004 20:15	
Benzene	ND	10	ug/L	20.00	12/13/2004 20:15	
Toluene	ND	10	ug/L	20.00	12/13/2004 20:15	
Ethylbenzene	ND	10	ug/L	20.00	12/13/2004 20:15	
Total xylenes	ND	20	ug/L	20.00	12/13/2004 20:15	
tert-Butyl alcohol (TBA)	190	100	ug/L	20.00	12/13/2004 20:15	
Methyl tert-butyl ether (MTBE)	1900	10	ug/L	20.00	12/13/2004 20:15	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	12/13/2004 20:15	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	12/13/2004 20:15	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	12/13/2004 20:15	
1,2-DCA	ND	10	ug/L	20.00	12/13/2004 20:15	
EDB	ND	10	ug/L	20.00	12/13/2004 20:15	
Ethanol	ND	1000	ug/L	20.00	12/13/2004 20:15	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.0	73-130	%	20.00	12/13/2004 20:15	
Toluene-d8	86.6	81-114	%	20.00	12/13/2004 20:15	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

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 Project: 246-0467-007  
 97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-5-W15	Lab ID:	2004-12-0191 - 9
Sampled:	11/30/2004 14:50	Extracted:	12/14/2004 10:00
Matrix:	Water	QC Batch#:	2004/12/14-1B.64
Analysis Flag: L2 ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	12/14/2004 10:00	
Benzene	ND	10	ug/L	20.00	12/14/2004 10:00	
Toluene	ND	10	ug/L	20.00	12/14/2004 10:00	
Ethylbenzene	ND	10	ug/L	20.00	12/14/2004 10:00	
Total xylenes	ND	20	ug/L	20.00	12/14/2004 10:00	
tert-Butyl alcohol (TBA)	340	100	ug/L	20.00	12/14/2004 10:00	
Methyl tert-butyl ether (MTBE)	2000	10	ug/L	20.00	12/14/2004 10:00	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	12/14/2004 10:00	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	12/14/2004 10:00	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	12/14/2004 10:00	
1,2-DCA	ND	10	ug/L	20.00	12/14/2004 10:00	
EDB	ND	10	ug/L	20.00	12/14/2004 10:00	
Ethanol	ND	1000	ug/L	20.00	12/14/2004 10:00	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	90.8	73-130	%	20.00	12/14/2004 10:00	
Toluene-d8	96.9	81-114	%	20.00	12/14/2004 10:00	

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12/16/2004 11:44

Page 6 of 23

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

Cambria Environmental Emeryville

Attn.: Matt Derby

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Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-W	Lab ID: 2004-12-0191 - 12
Sampled: 12/01/2004 08:15	Extracted: 12/13/2004 20:59
Matrix: Water	QC Batch#: 2004/12/13-2B.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	12/13/2004 20:59	
Benzene	ND	10	ug/L	20.00	12/13/2004 20:59	
Toluene	ND	10	ug/L	20.00	12/13/2004 20:59	
Ethylbenzene	ND	10	ug/L	20.00	12/13/2004 20:59	
Total xylenes	ND	20	ug/L	20.00	12/13/2004 20:59	
tert-Butyl alcohol (TBA)	500	100	ug/L	20.00	12/13/2004 20:59	
Methyl tert-butyl ether (MTBE)	3000	10	ug/L	20.00	12/13/2004 20:59	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	12/13/2004 20:59	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	12/13/2004 20:59	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	12/13/2004 20:59	
1,2-DCA	ND	10	ug/L	20.00	12/13/2004 20:59	
EDB	ND	10	ug/L	20.00	12/13/2004 20:59	
Ethanol	ND	1000	ug/L	20.00	12/13/2004 20:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.0	73-130	%	20.00	12/13/2004 20:59	
Toluene-d8	101.6	81-114	%	20.00	12/13/2004 20:59	

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-W15	Lab ID: 2004-12-0191 - 13
Sampled: 12/01/2004 09:45	Extracted: 12/14/2004 10:22
Matrix: Water	QC Batch#: 2004/12/14-1B.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1300	ug/L	25.00	12/14/2004 10:22	
Benzene	ND	13	ug/L	25.00	12/14/2004 10:22	
Toluene	ND	13	ug/L	25.00	12/14/2004 10:22	
Ethylbenzene	ND	13	ug/L	25.00	12/14/2004 10:22	
Total xylenes	ND	25	ug/L	25.00	12/14/2004 10:22	
tert-Butyl alcohol (TBA)	420	130	ug/L	25.00	12/14/2004 10:22	
Methyl tert-butyl ether (MTBE)	2000	13	ug/L	25.00	12/14/2004 10:22	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	12/14/2004 10:22	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	12/14/2004 10:22	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	12/14/2004 10:22	
1,2-DCA	ND	13	ug/L	25.00	12/14/2004 10:22	
EDB	ND	13	ug/L	25.00	12/14/2004 10:22	
Ethanol	ND	1300	ug/L	25.00	12/14/2004 10:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	90.7	73-130	%	25.00	12/14/2004 10:22	
Toluene-d8	98.8	81-114	%	25.00	12/14/2004 10:22	

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-3-W	Lab ID: 2004-12-0191 - 16
Sampled: 12/01/2004 11:45	Extracted: 12/14/2004 10:45
Matrix: Water	QC Batch#: 2004/12/14-1B.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	5000	ug/L	100.00	12/14/2004 10:45	
Benzene	ND	50	ug/L	100.00	12/14/2004 10:45	
Toluene	ND	50	ug/L	100.00	12/14/2004 10:45	
Ethylbenzene	ND	50	ug/L	100.00	12/14/2004 10:45	
Total xylenes	ND	100	ug/L	100.00	12/14/2004 10:45	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	12/14/2004 10:45	
Methyl tert-butyl ether (MTBE)	9000	50	ug/L	100.00	12/14/2004 10:45	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	12/14/2004 10:45	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	12/14/2004 10:45	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	12/14/2004 10:45	
1,2-DCA	ND	50	ug/L	100.00	12/14/2004 10:45	
EDB	ND	50	ug/L	100.00	12/14/2004 10:45	
Ethanol	ND	5000	ug/L	100.00	12/14/2004 10:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	91.8	73-130	%	100.00	12/14/2004 10:45	
Toluene-d8	97.2	81-114	%	100.00	12/14/2004 10:45	

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-6-W	Lab ID:	2004-12-0191 - 19
Sampled:	11/30/2004 15:30	Extracted:	12/13/2004 22:06
Matrix:	Water	QC Batch#:	2004/12/13-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	2000	50	ug/L	1.00	12/13/2004 22:06	
Benzene	0.61	0.50	ug/L	1.00	12/13/2004 22:06	
Toluene	0.88	0.50	ug/L	1.00	12/13/2004 22:06	
Ethylbenzene	59	0.50	ug/L	1.00	12/13/2004 22:06	
Total xylenes	57	1.0	ug/L	1.00	12/13/2004 22:06	
tert-Butyl alcohol (TBA)	5.5	5.0	ug/L	1.00	12/13/2004 22:06	
Methyl tert-butyl ether (MTBE)	14	0.50	ug/L	1.00	12/13/2004 22:06	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	12/13/2004 22:06	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	12/13/2004 22:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	12/13/2004 22:06	
1,2-DCA	ND	0.50	ug/L	1.00	12/13/2004 22:06	
EDB	ND	0.50	ug/L	1.00	12/13/2004 22:06	
Ethanol	ND	50	ug/L	1.00	12/13/2004 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.7	73-130	%	1.00	12/13/2004 22:06	
Toluene-d8	92.7	81-114	%	1.00	12/13/2004 22:06	

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

Cambria Environmental Emeryville

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 Project: 246-0467-007  
 97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-6-W15	Lab ID: 2004-12-0191 - 20
Sampled: 11/30/2004 17:15	Extracted: 12/14/2004 11:07
Matrix: Water	QC Batch#: 2004/12/14-1B.64
Analysis Flag: L2 ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	250	ug/L	5.00	12/14/2004 11:07	
Benzene	ND	2.5	ug/L	5.00	12/14/2004 11:07	
Toluene	ND	2.5	ug/L	5.00	12/14/2004 11:07	
Ethylbenzene	ND	2.5	ug/L	5.00	12/14/2004 11:07	
Total xylenes	ND	5.0	ug/L	5.00	12/14/2004 11:07	
tert-Butyl alcohol (TBA)	92	25	ug/L	5.00	12/14/2004 11:07	
Methyl tert-butyl ether (MTBE)	540	2.5	ug/L	5.00	12/14/2004 11:07	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	12/14/2004 11:07	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	12/14/2004 11:07	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	12/14/2004 11:07	
1,2-DCA	ND	2.5	ug/L	5.00	12/14/2004 11:07	
EDB	ND	2.5	ug/L	5.00	12/14/2004 11:07	
Ethanol	ND	250	ug/L	5.00	12/14/2004 11:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	92.4	73-130	%	5.00	12/14/2004 11:07	
Toluene-d8	96.0	81-114	%	5.00	12/14/2004 11:07	

Severn Trent Laboratories, Inc.

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12/16/2004 11:44



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

Cambria Environmental Emeryville

Attn.: Matt Derby

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Emeryville, CA 94608  
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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
Sample ID: **SB-7-W** Lab ID: 2004-12-0191 - 23  
Sampled: 11/30/2004 16:15 Extracted: 12/13/2004 22:51  
Matrix: Water QC Batch#: 2004/12/13-2B.64  
Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	500	ug/L	10.00	12/13/2004 22:51	
Benzene	ND	5.0	ug/L	10.00	12/13/2004 22:51	
Toluene	ND	5.0	ug/L	10.00	12/13/2004 22:51	
Ethylbenzene	ND	5.0	ug/L	10.00	12/13/2004 22:51	
Total xylenes	ND	10	ug/L	10.00	12/13/2004 22:51	
tert-Butyl alcohol (TBA)	180	50	ug/L	10.00	12/13/2004 22:51	
Methyl tert-butyl ether (MTBE)	990	5.0	ug/L	10.00	12/13/2004 22:51	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	12/13/2004 22:51	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	12/13/2004 22:51	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	12/13/2004 22:51	
1,2-DCA	ND	5.0	ug/L	10.00	12/13/2004 22:51	
EDB	ND	5.0	ug/L	10.00	12/13/2004 22:51	
Ethanol	ND	500	ug/L	10.00	12/13/2004 22:51	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	97.6	73-130	%	10.00	12/13/2004 22:51	
Toluene-d8	91.7	81-114	%	10.00	12/13/2004 22:51	

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

Cambria Environmental Emeryville

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Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-W15	Lab ID:	2004-12-0191 - 24
Sampled:	11/30/2004 16:30	Extracted:	12/13/2004 23:14
Matrix:	Water	QC Batch#:	2004/12/13-2B:64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	920	50	ug/L	1.00	12/13/2004 23:14	
Benzene	0.54	0.50	ug/L	1.00	12/13/2004 23:14	
Toluene	1.1	0.50	ug/L	1.00	12/13/2004 23:14	
Ethylbenzene	28	0.50	ug/L	1.00	12/13/2004 23:14	
Total xylenes	19	1.0	ug/L	1.00	12/13/2004 23:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/13/2004 23:14	
Methyl tert-butyl ether (MTBE)	13	0.50	ug/L	1.00	12/13/2004 23:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	12/13/2004 23:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	12/13/2004 23:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	12/13/2004 23:14	
1,2-DCA	ND	0.50	ug/L	1.00	12/13/2004 23:14	
EDB	ND	0.50	ug/L	1.00	12/13/2004 23:14	
Ethanol	ND	50	ug/L	1.00	12/13/2004 23:14	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.8	73-130	%	1.00	12/13/2004 23:14	
Toluene-d8	93.2	81-114	%	1.00	12/13/2004 23:14	

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

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Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/12/12-1B.64-022

Water

Test(s): 8260B

QC Batch # 2004/12/12-1B.64

Date Extracted: 12/12/2004 13:22

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/12/2004 13:22	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/12/2004 13:22	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/12/2004 13:22	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/12/2004 13:22	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/12/2004 13:22	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/12/2004 13:22	
1,2-DCA	ND	0.5	ug/L	12/12/2004 13:22	
EDB	ND	0.5	ug/L	12/12/2004 13:22	
Benzene	ND	0.5	ug/L	12/12/2004 13:22	
Toluene	ND	0.5	ug/L	12/12/2004 13:22	
Ethylbenzene	ND	0.5	ug/L	12/12/2004 13:22	
Total xylenes	ND	1.0	ug/L	12/12/2004 13:22	
Ethanol	ND	50	ug/L	12/12/2004 13:22	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	93.6	73-130	%	12/12/2004 13:22	
Toluene-d8	99.2	81-114	%	12/12/2004 13:22	

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

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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/12/13-2B.64

MB: 2004/12/13-2B.64-010

Date Extracted: 12/13/2004 18:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/13/2004 18:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/13/2004 18:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/13/2004 18:10	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/13/2004 18:10	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/13/2004 18:10	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/13/2004 18:10	
1,2-DCA	ND	0.5	ug/L	12/13/2004 18:10	
EDB	ND	0.5	ug/L	12/13/2004 18:10	
Benzene	ND	0.5	ug/L	12/13/2004 18:10	
Toluene	ND	0.5	ug/L	12/13/2004 18:10	
Ethylbenzene	ND	0.5	ug/L	12/13/2004 18:10	
Total xylenes	ND	1.0	ug/L	12/13/2004 18:10	
Ethanol	ND	50	ug/L	12/13/2004 18:10	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	97.6	73-130	%	12/13/2004 18:10	
Toluene-d8	99.6	81-114	%	12/13/2004 18:10	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/12/14-1B.64

MB: 2004/12/14-1B.64-023

Date Extracted: 12/14/2004 09:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/14/2004 09:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/14/2004 09:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/14/2004 09:23	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/14/2004 09:23	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/14/2004 09:23	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/14/2004 09:23	
1,2-DCA	ND	0.5	ug/L	12/14/2004 09:23	
EDB	ND	0.5	ug/L	12/14/2004 09:23	
Benzene	ND	0.5	ug/L	12/14/2004 09:23	
Toluene	ND	0.5	ug/L	12/14/2004 09:23	
Ethylbenzene	ND	0.5	ug/L	12/14/2004 09:23	
Total xylenes	ND	1.0	ug/L	12/14/2004 09:23	
Ethanol	ND	50	ug/L	12/14/2004 09:23	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.0	73-130	%	12/14/2004 09:23	
Toluene-d8	96.4	81-114	%	12/14/2004 09:23	

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

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/12-1B.64**

LCS 2004/12/12-1B.64-059

Extracted: 12/12/2004

Analyzed: 12/12/2004 12:59

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.5		25	82.0			65-165	20		
Benzene	21.0		25	84.0			69-129	20		
Toluene	21.1		25	84.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	458		500	91.6			73-130			
Toluene-d8	490		500	98.0			81-114			

Severn Trent Laboratories, Inc.

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

12/16/2004 11:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/13-2B.64**

LCS 2004/12/13-2B.64-047

Extracted: 12/13/2004

Analyzed: 12/13/2004 17:47

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.1		25	100.4			65-165	20		
Benzene	25.8		25	103.2			69-129	20		
Toluene	25.7		25	102.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	452		500	90.4			73-130			
Toluene-d8	449		500	89.8			81-114			

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12/16/2004 11:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/14-1B.64**

LCS 2004/12/14-1B.64-001

Extracted: 12/14/2004

Analyzed: 12/14/2004 09:01

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.6		25	86.4			65-165	20		
Benzene	21.3		25	85.2			69-129	20		
Toluene	22.3		25	89.2			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	435		500	87.0			73-130			
Toluene-d8	487		500	97.4			81-114			

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12/16/2004 11:44



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

Cambria Environmental Emeryville

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/12-1B.64**

MS/MSD

Lab ID: 2004-12-0336 - 001

MS: 2004/12/12-1B.64-018

Extracted: 12/12/2004

Analyzed: 12/12/2004 14:18

Dilution: 1.00

MSD: 2004/12/12-1B.64-040

Extracted: 12/12/2004

Analyzed: 12/12/2004 14:40

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	19.6	21.9	ND	25	78.4	87.6	11.1	69-129	20		
Toluene	20.1	22.4	ND	25	80.4	89.6	10.8	70-130	20		
Methyl tert-butyl ether	18.6	21.7	ND	25	74.4	86.8	15.4	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	428	444		500	85.6	88.8		73-130			
Toluene-d8	490	487		500	98.0	97.4		81-114			

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12/16/2004 11:44

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

Cambria Environmental Emeryville

Attn.: Matt Derby

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Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B Test(s): 8260B

**Matrix Spike ( MS / MSD )** **Water** **QC Batch # 2004/12/13-2B.64**

MS/MSD Lab ID: 2004-12-0381 - 004

MS: 2004/12/13-2B.64-008 Extracted: 12/13/2004 Analyzed: 12/13/2004 19:08

Dilution: 1.00

MSD: 2004/12/13-2B.64-030 Extracted: 12/13/2004 Analyzed: 12/13/2004 19:30

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	26.0	27.0	ND	25	104.0	108.0	3.8	65-165	20		
Benzene	27.1	26.9	ND	25	108.4	107.6	0.7	69-129	20		
Toluene	28.0	27.6	ND	25	112.0	110.4	1.4	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	455	460		500	91.0	92.0		73-130			
Toluene-d8	500	489		500	100.0	97.8		81-114			

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

Cambria Environmental Emeryville

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/14-1B.64**

MS/MSD

Lab ID: 2004-12-0322 - 001

MS: 2004/12/14-1B.64-010

Extracted: 12/14/2004

Analyzed: 12/14/2004 13:10

Dilution: 1.00

MSD: 2004/12/14-1B.64-032

Extracted: 12/14/2004

Analyzed: 12/14/2004 13:32

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	19.7	23.2	0.763	25	75.7	89.7	16.9	65-165	20		
Benzene	18.7	21.6	ND	25	74.8	86.4	14.4	69-129	20		
Toluene	19.5	22.4	ND	25	78.0	89.6	13.8	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	455	462		500	91.0	92.4		73-130			
Toluene-d8	474	478		500	94.8	95.6		81-114			

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

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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

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**Legend and Notes**

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**Analysis Flag**

L2

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

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

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Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1-5'	11/30/2004 08:30	Soil	1
SB-1-6.5'	11/30/2004 09:00	Soil	2
SB-5-5'	11/30/2004 14:00	Soil	6
SB-5-6.5'	11/30/2004 14:20	Soil	7
SB-2-5.0'	12/01/2004 07:55	Soil	10
SB-2-6.5'	12/01/2004 08:00	Soil	11
SB-3-5.0'	12/01/2004 11:15	Soil	14
SB-3-6.5'	12/01/2004 11:35	Soil	15
SB-6-5'	11/30/2004 15:00	Soil	17
SB-6-6.5'	11/30/2004 15:15	Soil	18
SB-7-5'	11/30/2004 15:45	Soil	21
SB-7-6.5'	11/30/2004 16:00	Soil	22

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

Cambria Environmental Emeryville

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Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-5	Lab ID:	2004-12-0191 - 1
Sampled:	11/30/2004 08:30	Extracted:	12/9/2004 19:21
Matrix:	Soil	QC Batch#:	2004/12/09-2C.65
Analysis Flag: ( See Legend and Note Section )			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 19:21	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 19:21	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 19:21	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 19:21	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 19:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	107.3	76-124	%	1.00	12/09/2004 19:21	
Toluene-d8	103.0	75-116	%	1.00	12/09/2004 19:21	

Severn Trent Laboratories, Inc.

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12/17/2004 16:16

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-1-6.5	Lab ID:	2004-12-0191 - 2
Sampled:	11/30/2004 09:00	Extracted:	12/9/2004 19:44
Matrix:	Soil	QC Batch#:	2004/12/09-2C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 19:44	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 19:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 19:44	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 19:44	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 19:44	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.7	76-124	%	1.00	12/09/2004 19:44	
Toluene-d8	101.6	75-116	%	1.00	12/09/2004 19:44	

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

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Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-5-5	Lab ID:	2004-12-0191 - 6
Sampled:	11/30/2004 14:00	Extracted:	12/9/2004 21:19
Matrix:	Soil	QC Batch#:	2004/12/09-2C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 21:19	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 21:19	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 21:19	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 21:19	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 21:19	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.5	76-124	%	1.00	12/09/2004 21:19	
Toluene-d8	94.8	75-116	%	1.00	12/09/2004 21:19	

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12/17/2004 16:16



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

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Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-5-6.5	Lab ID:	2004-12-0191 - 7
Sampled:	11/30/2004 14:20	Extracted:	12/9/2004 21:43
Matrix:	Soil	QC Batch#:	2004/12/09-2C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 21:43	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 21:43	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 21:43	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 21:43	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 21:43	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.9	76-124	%	1.00	12/09/2004 21:43	
Toluene-d8	108.2	75-116	%	1.00	12/09/2004 21:43	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608  
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Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-2-5.0	Lab ID:	2004-12-0191 - 10
Sampled:	12/01/2004 07:55	Extracted:	12/9/2004 22:06
Matrix:	Soil	QC Batch#:	2004/12/09-2C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 22:06	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 22:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 22:06	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 22:06	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 22:06	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.6	76-124	%	1.00	12/09/2004 22:06	
Toluene-d8	101.6	75-116	%	1.00	12/09/2004 22:06	

Severn Trent Laboratories, Inc.

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

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

12/17/2004 16:16

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-2-6.5	Lab ID: 2004-12-0191 - 11
Sampled: 12/01/2004 08:00	Extracted: 12/9/2004 20:07
Matrix: Soil	QC Batch#: 2004/12/09-2C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/09/2004 20:07	
Benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
Toluene	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/09/2004 20:07	
Methyl tert-butyl ether (MTBE)	0.011	0.0050	mg/Kg	1.00	12/09/2004 20:07	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/09/2004 20:07	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
EDB	ND	0.0050	mg/Kg	1.00	12/09/2004 20:07	
Ethanol	ND	0.1	mg/Kg	1.00	12/09/2004 20:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.2	76-124	%	1.00	12/09/2004 20:07	
Toluene-d8	106.2	75-116	%	1.00	12/09/2004 20:07	

#

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-3-5.0	Lab ID:	2004-12-0191 - 14
Sampled:	12/01/2004 11:15	Extracted:	12/10/2004 22:25
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/10/2004 22:25	
Benzene	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
Toluene	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/10/2004 22:25	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/10/2004 22:25	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
EDB	ND	0.0050	mg/Kg	1.00	12/10/2004 22:25	
Ethanol	ND	0.1	mg/Kg	1.00	12/10/2004 22:25	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.8	76-124	%	1.00	12/10/2004 22:25	
Toluene-d8	101.8	75-116	%	1.00	12/10/2004 22:25	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-3-6.5	Lab ID:	2004-12-0191 - 15
Sampled:	12/01/2004 11:35	Extracted:	12/11/2004 01:10
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/11/2004 01:10	
Benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
Toluene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/11/2004 01:10	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/11/2004 01:10	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
EDB	ND	0.0050	mg/Kg	1.00	12/11/2004 01:10	
Ethanol	ND	0.1	mg/Kg	1.00	12/11/2004 01:10	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	115.8	76-124	%	1.00	12/11/2004 01:10	
Toluene-d8	105.9	75-116	%	1.00	12/11/2004 01:10	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-6-5	Lab ID:	2004-12-0191 - 17
Sampled:	11/30/2004 15:00	Extracted:	12/11/2004 01:34
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/11/2004 01:34	
Benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
Toluene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/11/2004 01:34	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/11/2004 01:34	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
EDB	ND	0.0050	mg/Kg	1.00	12/11/2004 01:34	
Ethanol	ND	0.1	mg/Kg	1.00	12/11/2004 01:34	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	106.6	76-124	%	1.00	12/11/2004 01:34	
Toluene-d8	94.0	75-116	%	1.00	12/11/2004 01:34	

Severn Trent Laboratories, Inc.

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12/17/2004 16:16

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-6-6.5	Lab ID:	2004-12-0191 - 18
Sampled:	11/30/2004 15:15	Extracted:	12/11/2004 01:58
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/11/2004 01:58	
Benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
Toluene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/11/2004 01:58	
Methyl tert-butyl ether (MTBE)	0.0099	0.0050	mg/Kg	1.00	12/11/2004 01:58	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/11/2004 01:58	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
EDB	ND	0.0050	mg/Kg	1.00	12/11/2004 01:58	
Ethanol	ND	0.1	mg/Kg	1.00	12/11/2004 01:58	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.4	76-124	%	1.00	12/11/2004 01:58	
Toluene-d8	104.1	75-116	%	1.00	12/11/2004 01:58	

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

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A  
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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-5	Lab ID:	2004-12-0191 - 21
Sampled:	11/30/2004 15:45	Extracted:	12/11/2004 02:45
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/11/2004 02:45	
Benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
Toluene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/11/2004 02:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/11/2004 02:45	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
EDB	ND	0.0050	mg/Kg	1.00	12/11/2004 02:45	
Ethanol	ND	0.1	mg/Kg	1.00	12/11/2004 02:45	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.2	76-124	%	1.00	12/11/2004 02:45	
Toluene-d8	97.0	75-116	%	1.00	12/11/2004 02:45	

Severn Trent Laboratories, Inc.

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12/17/2004 16:16



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-6.5	Lab ID:	2004-12-0191 - 22
Sampled:	11/30/2004 16:00	Extracted:	12/11/2004 02:23
Matrix:	Soil	QC Batch#:	2004/12/10-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	6.2	1.0	mg/Kg	1.00	12/11/2004 02:23	
Benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
Toluene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/11/2004 02:23	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/11/2004 02:23	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
EDB	ND	0.0050	mg/Kg	1.00	12/11/2004 02:23	
Ethanol	ND	0.1	mg/Kg	1.00	12/11/2004 02:23	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.8	76-124	%	1.00	12/11/2004 02:23	
Toluene-d8	104.4	75-116	%	1.00	12/11/2004 02:23	

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12/17/2004 16:16

Page 13 of 20

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/12/09-2C.65-053

**Soil**

Test(s): 8260B

**QC Batch # 2004/12/09-2C.65**

Date Extracted: 12/09/2004 18:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	12/09/2004 18:53	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	12/09/2004 18:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	12/09/2004 18:53	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	12/09/2004 18:53	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	12/09/2004 18:53	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	12/09/2004 18:53	
1,2-DCA	ND	0.0050	mg/Kg	12/09/2004 18:53	
EDB	ND	0.0050	mg/Kg	12/09/2004 18:53	
Benzene	ND	0.0050	mg/Kg	12/09/2004 18:53	
Toluene	ND	0.0050	mg/Kg	12/09/2004 18:53	
Ethyl benzene	ND	0.0050	mg/Kg	12/09/2004 18:53	
Total xylenes	ND	0.0050	mg/Kg	12/09/2004 18:53	
Ethanol	ND	0.10	mg/Kg	12/09/2004 18:53	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	106.6	76-124	%	12/09/2004 18:53	
Toluene-d8	102.6	75-116	%	12/09/2004 18:53	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2004/12/10-2A.65

MB: 2004/12/10-2A.65-046

Date Extracted: 12/10/2004 20:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	12/10/2004 20:46	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	12/10/2004 20:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	12/10/2004 20:46	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	12/10/2004 20:46	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	12/10/2004 20:46	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	12/10/2004 20:46	
1,2-DCA	ND	0.0050	mg/Kg	12/10/2004 20:46	
EDB	ND	0.0050	mg/Kg	12/10/2004 20:46	
Benzene	ND	0.0050	mg/Kg	12/10/2004 20:46	
Toluene	ND	0.0050	mg/Kg	12/10/2004 20:46	
Ethyl benzene	ND	0.0050	mg/Kg	12/10/2004 20:46	
Total xylenes	ND	0.0050	mg/Kg	12/10/2004 20:46	
Ethanol	ND	0.10	mg/Kg	12/10/2004 20:46	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	100.8	76-124	%	12/10/2004 20:46	
Toluene-d8	106.2	75-116	%	12/10/2004 20:46	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/12/09-2C.65**

LCS 2004/12/09-2C.65-030

Extracted: 12/09/2004

Analyzed: 12/09/2004 18:30

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0409		0.05	81.8			65-165	20		
Benzene	0.0386		0.05	77.2			69-129	20		
Toluene	0.0400		0.05	80.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	433		500	86.6			76-124			
Toluene-d8	508		500	101.6			75-116			

Severn Trent Laboratories, Inc.

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12/17/2004 16:16

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

Cambria Environmental Emeryville  
Attn.: Matt Derby

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Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2004/12/10-2A.65

LCS 2004/12/10-2A.65-022

Extracted: 12/10/2004

Analyzed: 12/10/2004 20:22

LCSD

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0417		0.05	83.4			65-165	20		
Benzene	0.0397		0.05	79.4			69-129	20		
Toluene	0.0425		0.05	85.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	479		500	95.8			76-124			
Toluene-d8	527		500	105.4			75-116			

Severn Trent Laboratories, Inc.

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

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

12/17/2004 16:16

Page 17 of 20

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B Test(s): 8260B

**Matrix Spike ( MS / MSD ) Soil QC Batch # 2004/12/09-2C.65**

SB-2-6.5 >> MS Lab ID: 2004-12-0191 - 011

MS: 2004/12/09-2C.65-032 Extracted: 12/09/2004 Analyzed: 12/09/2004 20:32

Dilution: 1.00

MSD: 2004/12/09-2C.65-056 Extracted: 12/09/2004 Analyzed: 12/09/2004 20:56

Dilution: 1.00

Sample / Analysis Flag(s): MS: N1,S1 ( See Legend and Note Section )

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0435	0.0366	8.5e-005	0.049603	87.5	75.5	14.7	69-129	20		
Toluene	0.0486	0.0372	0.000203	0.049603	97.6	76.5	24.2	70-130	20		R1
Methyl tert-butyl ether	0.0764	0.0477	0.0115	0.049603	130.8	74.9	54.4	65-165	20		R1
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	669	456		500	133.8	91.2		76-124		S1	
Toluene-d8	592	514		500	118.4	102.8		75-116		S1	

Severn Trent Laboratories, Inc.

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

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

12/17/2004 16:16

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/12/10-2A.65**

SB-3-5.0 >> MS

Lab ID: 2004-12-0191 - 014

MS: 2004/12/10-2A.65-049

Extracted: 12/10/2004

Analyzed: 12/10/2004 22:49

Dilution: 200.00

MSD: 2004/12/10-2A.65-012

Extracted: 12/10/2004

Analyzed: 12/10/2004 23:12

Dilution: 200.00

Compound	Conc. mg/Kg			Spk. Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	0.0408	0.0442	0.000197	0.048923	83.0	89.2	7.2	69-129	20		
Toluene	0.0424	0.0453	0.00122	0.048923	84.2	89.4	6.0	70-130	20		
Methyl tert-butyl ether	0.0385	0.0413	ND	0.048923	78.7	83.8	6.3	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	436	408		500	87.2	81.6		76-124			
Toluene-d8	485	485		500	97.0	97.0		75-116			

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/02/2004 12:00

Site: 1601 Webster, Alameda, CA

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**Legend and Notes**

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**Analysis Flag**

N1

Internal standard out of range.

S1

Surrogate recoveries were higher than QC limits.

**Result Flag**

R1

Analyte RPD was out of QC limits.



STL-San Francisco

# SHELL Chain Of Custody Record

9/6/95

1220 Quarry Lane

Pleasanton, CA 94566

(925) 494-1919 (925) 494-1089 fax

Shell Project Manager to be invoiced:

- SOLVENT CONTAMINATION
- METALS ANALYSIS
- OIL ANALYSIS
- OIL RESIDUE

2004-12-0191

INCIDENT NUMBER (ISRE-SMILE)

9 7 5 6 4 7 0 1

SAP or CRMT NUMBER (IS-CRMT)

1 3 5 0 3 2

DATE: 9/2/04

PAGE: 1 of 3

<b>Client Information</b> Cambria Environmental Technology, Inc. 4300 Robles Street, Suite A, Emeryville, CA 94603 Matt Derby TEL: 510-420-3333 FAX: 510-420-6170		<b>Site Address (Street and City)</b> 1801 Webster, Alameda, CA Matt Derby TEL: 510-420-3333		<b>Sample ID:</b> T08001137109	
---	--	---	--	-----------------------------------	--

**REQUESTED ANALYSIS**

15 DAYS  30 DAYS  45 DAYS  60 DAYS  90 DAYS  OTHER

LA - ENVIRONMENTAL  AIR AGENCY

**SPECIAL INSTRUCTIONS OR NOTES:**

LAB NO.	Field Sample Identification		SAMPLING		ANALYSIS	NO. OF CONTAINERS	TYPE - Packaging	TYPE - Extractable (plastic)	BTEX	MTBE (if applicable)	TBA	5-Organics	1,1,1-TCA and 1,1,2-TCA	BTEX/PAH	Method	VECS by MS/LE	Event/Analysis by #1740	Lead <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water	LURTS <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water	COMPT <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Water	Test for Distillate	FIELD NOTES: Container/Preservation or PID Readings or Laboratory Notes	
	DATE	TIME	DATE	TIME																			
✓	58-1-5		12/18/04	6:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-10		12/18/04	8:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-11		12/18/04	10:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-12		12/18/04	12:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-13		12/18/04	2:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-14		12/18/04	4:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-15		12/18/04	6:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-16		12/18/04	8:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-17		12/18/04	10:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-18		12/18/04	12:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-19		12/18/04	2:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-20		12/18/04	4:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-21		12/18/04	6:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-22		12/18/04	8:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-23		12/18/04	10:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-24		12/18/04	12:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-25		12/18/04	2:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-26		12/18/04	4:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-27		12/18/04	6:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-28		12/18/04	8:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-29		12/18/04	10:00	X		X	X	X	X	X	X	X	X	X								
✓	58-1-30		12/18/04	12:00	X		X	X	X	X	X	X	X	X	X								

Prepared by: <i>Mike</i> Date: 12/18/04 Time: 12:00	Requested by: <i>SAS MIKE</i> Date: 12/20/04 Time: 12:00	Analyzed by: <i>MIKE</i> Date: 12/20/04 Time: 12:00	Date: 12/20/04 Time: 12:00
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NOTE: For more information, please refer to the Shell Chain of Custody Manual. Produced under contract by SVE/CC/Edgar/Mundy.

# SHELL Chain Of Custody Record

13230 Quarry Lane,  
Pleasanton, CA 94566

(925) 484-1614 (925) 484-1098 fax

Shell Project Manager to be indicated:

- PROJECT MANAGER
- TECHNICAL SUPERVISOR
- CRUISE CAPTAIN

Karen Pedrosa

2004-12-0191

INCIDENT NUMBER (S&E ONLY)

9 7 8 6 4 7 0 1

S&E CRUISE NUMBER (S&E ONLY)

1 3 5 8 3 2

DATE: 12/2/04

PAGE: 2 of 3

Company Name: Camstra Environmental Technology, Inc.	Address: 1801 Webster, Alameda, CA	City/State/Zip: T0603137103
Address: 8000 Hellen Street, Suite A, Emeryville, CA 94608	Contact Name: Matt Derby	Phone: 510-420-3332
Contact Name: Matt Derby	Address: 1801 Webster, Alameda, CA	City/State/Zip: T0603137103
Phone: 410-470-3332	Phone: 510-420-3170	Phone: 510-420-3332

ANALYSIS TYPE:  INITIAL  1 DAY  24 HOURS  48 HOURS  72 HOURS  LESS THAN 24 HOURS

IS THIS ANALYSIS FOR:  FEDERAL AGENCY  LOCAL AGENCY

CONDUCTED BY: \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: \_\_\_\_\_

REQUESTED ANALYSIS:

TPH - Petroleum	TPH - Extractable (EPA)	ATE	ATE (EPA)	TB4	5-DIBP/NAP	1,1-DIBP and 2,4-D	BTEX	Methanol	100 Cr by 200 S	Swab Volatiles by 2170C	Lead - 204 & 212 by 217	LDPE - 204 & 212 by 217	GC/MS - 204 & 212 by 217	Test for Disposal
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FIELD NOTES:  
Container/Preservative or PID Readings or Laboratory Notes

Lab No.	Field Sample Identification	SAMPLES		ASTM	NO. OF CONT.	TPH - Petroleum	TPH - Extractable (EPA)	ATE	ATE (EPA)	TB4	5-DIBP/NAP	1,1-DIBP and 2,4-D	BTEX	Methanol	100 Cr by 200 S	Swab Volatiles by 2170C	Lead - 204 & 212 by 217	LDPE - 204 & 212 by 217	GC/MS - 204 & 212 by 217	Test for Disposal	Comments	
		DATE	TIME																			
✓	SB-2-04	12/2	15:00		1	X	X	X	X	X	X	X	X									SB-2
✓	SB-2-04	12/2	15:00		1																	
✓	SB-2-04	12/2	15:00		3																	
✓	SB-2-04	12/2	15:00		3																	
✓	SB-2-04	12/2	15:00		1																	
✓	SB-2-04	12/2	15:00		3																	

Requested by: _____	Requested by: _____	Date: 12/2/04	Time: 12:00
Requested by: _____	Requested by: _____	Date: 12/2/04	Time: 12:00
Requested by: SAS MIKE	Requested by: _____	Date: 12/2/04	Time: 12:00

STI, San Francisco

# SHELL Chain Of Custody Record

1230 Quarry Lane

Pleasanton, CA 94566

(925) 454-1019 (925) 454-1086 fax

Shell Project Manager to be Invoiced:

- Environmental Services
- Chemical Services
- Test Project

Name: Polaris

2004-12-0191

INCIDENT NUMBER (S&E ONLY)

9 7 5 6 4 7 0 1

S&P or CREDIT NUMBER (S&E ONLY)

1 3 5 0 3 2

DATE: 12/14/04  
PAGE: 3 of 3

Company Name: <b>Camtra Environmental Technology, Inc.</b> Address: <b>6900 Hollis Street, Suite A, Emeryville, CA 94503</b> Project Contact: <b>Matt Derby</b> Phone: <b>510-420-4322</b> Fax: <b>510-420-9170</b>	Client Name: <b>GETS</b> Address: <b>1801 Webster, Alameda, CA</b> Contact: <b>Matt Derby</b> Phone: <b>510-420-3332</b>	Incident Number: <b>10003137103</b> S&P or Credit Number: <b>135032</b>
---	---	--

ANALYSIS REQUESTED (TIME REQUIRED DATA)

TOXICS  
 SOILS  
 TOXICS  
 PCBs  
 PAHs  
 METALS  
 OTHER (LIST IN REMARKS)

LA - RANGE OF SOIL PHASIS  
 VOLATILES

SPECIAL INSTRUCTIONS OR NOTES:  CHECK BOXES 1-5 TO 1-503 NUMBER

REQUESTED ANALYSIS:

FIELD NOTES:  
Contains Preservatives or PCB Sealings in Laboratory Boxes

Lab Use Only	Field Sample Identification	SAMPLING		DATE	TIME	S&P NO.	S&E NO.	TOX (Preservative)	TOX (Environmental)	SOILS	METALS (EPA 821)	PAH	5 Oxygenate	3,3 DCA and UGAs	Ethers	Mercury	NOx by 8206	Compositions by 8202	Lead	Cadmium	Cyanide	Test for Chloride	
		DATE	TIME																				
	82-6-5	12/13	3:30	12/13	3:30			X	X	X	X	X	X	X	X								
	82-6-6	12/13	3:30	12/13	3:30																		
	82-6-7	12/13	3:30	12/13	3:30																		
	82-6-8	12/13	3:30	12/13	3:30																		
	82-6-9	12/13	3:30	12/13	3:30																		
	82-6-10	12/13	3:30	12/13	3:30																		
	82-6-11	12/13	3:30	12/13	3:30																		

Date: 12/14/04 Analyst: <b>SAS MIKE</b>	Date: 12/14/04 Analyst: <b>SAS MIKE</b>	Date: 12/14/04 Analyst: <b>Wendy Houghton / STL-SF</b>	Time: 1200
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**Cambria Environmental Emeryville**

December 20, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 246-0467-007

Project: 97564701

Site: 1601 Webster, Alameda, CA

Dear Mr. Derby:

Attached is our report for your samples received on 12/06/2004 10:45

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

Please note that any unused portion of the samples will be discarded after 01/20/2005 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer  
Project Manager

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1096 \* [www.stl-inc.com](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-8-W	12/02/2004 12:30	Water	3
SB-8-W15	12/02/2004 13:00	Water	4
SB-4-W	12/02/2004 13:45	Water	7
SB-4-W15	12/02/2004 14:00	Water	8

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:38

Page 1 of 12

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-8-W</b>	Lab ID:	2004-12-0329 - 3
Sampled:	12/02/2004 12:30	Extracted:	12/16/2004 03:14
Matrix:	Water	QC Batch#:	2004/12/15-2A.66

Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	17000	1000	ug/L	20.00	12/16/2004 03:14	
Benzene	250	10	ug/L	20.00	12/16/2004 03:14	
Toluene	660	10	ug/L	20.00	12/16/2004 03:14	
Ethylbenzene	840	10	ug/L	20.00	12/16/2004 03:14	
Total xylenes	3700	20	ug/L	20.00	12/16/2004 03:14	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	12/16/2004 03:14	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	12/16/2004 03:14	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	12/16/2004 03:14	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	12/16/2004 03:14	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	12/16/2004 03:14	
1,2-DCA	ND	10	ug/L	20.00	12/16/2004 03:14	
EDB	ND	10	ug/L	20.00	12/16/2004 03:14	
Ethanol	ND	1000	ug/L	20.00	12/16/2004 03:14	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	98.3	73-130	%	20.00	12/16/2004 03:14	
Toluene-d8	94.3	81-114	%	20.00	12/16/2004 03:14	

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:38

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-8-W15</b>	Lab ID:	2004-12-0329 - 4
Sampled:	12/02/2004 13:00	Extracted:	12/16/2004 03:36
Matrix:	Water	QC Batch#:	2004/12/15-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	270	50	ug/L	1.00	12/16/2004 03:36	
Benzene	5.3	0.50	ug/L	1.00	12/16/2004 03:36	
Toluene	13	0.50	ug/L	1.00	12/16/2004 03:36	
Ethylbenzene	12	0.50	ug/L	1.00	12/16/2004 03:36	
Total xylenes	47	1.0	ug/L	1.00	12/16/2004 03:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/16/2004 03:36	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	12/16/2004 03:36	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	12/16/2004 03:36	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	12/16/2004 03:36	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	12/16/2004 03:36	
1,2-DCA	ND	0.50	ug/L	1.00	12/16/2004 03:36	
EDB	ND	0.50	ug/L	1.00	12/16/2004 03:36	
Ethanol	ND	50	ug/L	1.00	12/16/2004 03:36	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.1	73-130	%	1.00	12/16/2004 03:36	
Toluene-d8	90.6	81-114	%	1.00	12/16/2004 03:36	

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:38

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	<b>SB-4-W</b>	Lab ID:	2004-12-0329 - 7
Sampled:	12/02/2004 13:45	Extracted:	12/16/2004 03:59 12/16/2004 19:39
Matrix:	Water	QC Batch#:	2004/12/15-2A.66 2004/12/16-2A.68

Analysis Flag: L2 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	500	ug/L	10.00	12/16/2004 03:59	
Benzene	ND	5.0	ug/L	10.00	12/16/2004 03:59	
Toluene	ND	5.0	ug/L	10.00	12/16/2004 03:59	
Ethylbenzene	ND	5.0	ug/L	10.00	12/16/2004 03:59	
Total xylenes	ND	10	ug/L	10.00	12/16/2004 03:59	
tert-Butyl alcohol (TBA)	1100	50	ug/L	10.00	12/16/2004 03:59	
Methyl tert-butyl ether (MTBE)	4400	20	ug/L	40.00	12/16/2004 19:39	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	12/16/2004 03:59	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	12/16/2004 03:59	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	12/16/2004 03:59	
1,2-DCA	ND	5.0	ug/L	10.00	12/16/2004 03:59	
EDB	ND	5.0	ug/L	10.00	12/16/2004 03:59	
Ethanol	ND	500	ug/L	10.00	12/16/2004 03:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.0	73-130	%	1.00	12/16/2004 03:59	
1,2-Dichloroethane-d4	103.7	73-130	%	1.00	12/16/2004 19:39	
Toluene-d8	91.9	81-114	%	1.00	12/16/2004 03:59	
Toluene-d8	92.7	81-114	%	1.00	12/16/2004 19:39	

Severn Trent Laboratories, Inc.

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

12/20/2004 12:38



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-4-W15	Lab ID:	2004-12-0329 - 8
Sampled:	12/02/2004 14:00	Extracted:	12/16/2004 04:21 12/16/2004 19:56
Matrix:	Water	QC Batch#:	2004/12/15-2A.66 2004/12/16-2A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	520	50	ug/L	1.00	12/16/2004 04:21	
Benzene	1.7	0.50	ug/L	1.00	12/16/2004 04:21	
Toluene	5.3	0.50	ug/L	1.00	12/16/2004 04:21	
Ethylbenzene	14	0.50	ug/L	1.00	12/16/2004 04:21	
Total xylenes	62	1.0	ug/L	1.00	12/16/2004 04:21	
tert-Butyl alcohol (TBA)	2000	130	ug/L	25.00	12/16/2004 19:56	
Methyl tert-butyl ether (MTBE)	2900	13	ug/L	25.00	12/16/2004 19:56	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	12/16/2004 04:21	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	12/16/2004 04:21	
tert-Amyl methyl ether (TAME)	4.0	2.0	ug/L	1.00	12/16/2004 04:21	
1,2-DCA	ND	0.50	ug/L	1.00	12/16/2004 04:21	
EDB	ND	0.50	ug/L	1.00	12/16/2004 04:21	
Ethanol	ND	50	ug/L	1.00	12/16/2004 04:21	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.9	73-130	%	1.00	12/16/2004 04:21	
1,2-Dichloroethane-d4	102.4	73-130	%	1.00	12/16/2004 19:56	
Toluene-d8	95.8	81-114	%	1.00	12/16/2004 04:21	
Toluene-d8	91.2	81-114	%	1.00	12/16/2004 19:56	

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

**Method Blank**

MB: 2004/12/15-2A.66-030

**Water**

Test(s): 8260B

**QC Batch # 2004/12/15-2A.66**

Date Extracted: 12/15/2004 20:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/15/2004 20:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/15/2004 20:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/15/2004 20:30	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/15/2004 20:30	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/15/2004 20:30	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/15/2004 20:30	
1,2-DCA	ND	0.5	ug/L	12/15/2004 20:30	
EDB	ND	0.5	ug/L	12/15/2004 20:30	
Benzene	ND	0.5	ug/L	12/15/2004 20:30	
Toluene	ND	0.5	ug/L	12/15/2004 20:30	
Ethylbenzene	ND	0.5	ug/L	12/15/2004 20:30	
Total xylenes	ND	1.0	ug/L	12/15/2004 20:30	
Ethanol	ND	50	ug/L	12/15/2004 20:30	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.6	73-130	%	12/15/2004 20:30	
Toluene-d8	95.0	81-114	%	12/15/2004 20:30	

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

Cambria Environmental Emeryville

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Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/12/16-2A.68-039

Water

Test(s): 8260B

QC Batch # 2004/12/16-2A.68

Date Extracted: 12/16/2004 17:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	12/16/2004 17:39	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/16/2004 17:39	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/16/2004 17:39	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	12/16/2004 17:39	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	12/16/2004 17:39	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	12/16/2004 17:39	
1,2-DCA	ND	0.5	ug/L	12/16/2004 17:39	
EDB	ND	0.5	ug/L	12/16/2004 17:39	
Benzene	ND	0.5	ug/L	12/16/2004 17:39	
Toluene	ND	0.5	ug/L	12/16/2004 17:39	
Ethylbenzene	ND	0.5	ug/L	12/16/2004 17:39	
Total xylenes	ND	1.0	ug/L	12/16/2004 17:39	
Ethanol	ND	50	ug/L	12/16/2004 17:39	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.1	73-130	%	12/16/2004 17:39	
Toluene-d8	89.4	81-114	%	12/16/2004 17:39	

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12/20/2004 12:38

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

Cambria Environmental Emeryville

Attn.: Matt Derby

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/15-2A.66**

LCS 2004/12/15-2A.66-000

Extracted: 12/15/2004

Analyzed: 12/15/2004 19:00

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.4		25	85.6			65-165	20		
Benzene	21.0		25	84.0			69-129	20		
Toluene	23.2		25	92.8			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	432		500	86.4			73-130			
Toluene-d8	482		500	96.4			81-114			

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2004/12/16-2A.68**

LCS 2004/12/16-2A.68-021  
LCSD

Extracted: 12/16/2004

Analyzed: 12/16/2004 17:21

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.2		25	84.8			65-165	20		
Benzene	20.0		25	80.0			69-129	20		
Toluene	20.9		25	83.6			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	396		500	79.2			73-130			
Toluene-d8	442		500	88.4			81-114			

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Page 9 of 12

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

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/15-2A.66**

MS/MSD

Lab ID: 2004-12-0402 - 003

MS: 2004/12/15-2A.66-022

Extracted: 12/16/2004

Analyzed: 12/16/2004 01:22

Dilution: 1.00

MSD: 2004/12/15-2A.66-044

Extracted: 12/16/2004

Analyzed: 12/16/2004 01:44

Dilution: 1.00

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	26.0	22.6	ND	25	104.0	90.4	14.0	65-165	20		
Benzene	26.5	22.8	ND	25	106.0	91.2	15.0	69-129	20		
Toluene	26.3	22.6	ND	25	105.2	90.4	15.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	464	493		500	92.8	98.6		73-130			
Toluene-d8	455	460		500	91.0	92.0		81-114			

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Water**

**QC Batch # 2004/12/16-2A.68**

MS/MSD

Lab ID: 2004-12-0379 - 006

MS: 2004/12/16-2A.68-029

Extracted: 12/16/2004

Analyzed: 12/16/2004 18:29

Dilution: 1.00

MSD: 2004/12/16-2A.68-047

Extracted: 12/16/2004

Analyzed: 12/16/2004 18:47

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	21.9	23.8	ND	25	87.6	95.2	8.3	69-129	20		
Toluene	22.4	24.3	ND	25	89.6	97.2	8.1	70-130	20		
Methyl tert-butyl ether	23.5	24.2	ND	25	94.0	96.8	2.9	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	424	411		500	84.8	82.3		73-130			
Toluene-d8	449	462		500	89.8	92.5		81-114			

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

Cambria Environmental Emeryville

Attn.: Matt Derby

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

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**Analysis Flag**

L2

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



**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-8-6.5'	12/02/2004 12:15	Soil	2
SB-4-6.5'	12/02/2004 13:30	Soil	6

Severn Trent Laboratories, Inc.

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12/20/2004 11:59

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
Sample ID: SB-8-6.5 Lab ID: 2004-12-0329 - 2  
Sampled: 12/02/2004 12:15 Extracted: 12/16/2004 14:07  
Matrix: Soil QC Batch#: 2004/12/13-3B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	740	100	mg/Kg	2.00	12/16/2004 14:07	
Benzene	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
Toluene	5.9	1.0	mg/Kg	2.00	12/16/2004 14:07	
Ethyl benzene	17	1.0	mg/Kg	2.00	12/16/2004 14:07	
Total xylenes	83	1.0	mg/Kg	2.00	12/16/2004 14:07	
tert-Butyl alcohol (TBA)	ND	5.0	mg/Kg	2.00	12/16/2004 14:07	
Methyl tert-butyl ether (MTBE)	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
Di-isopropyl Ether (DIPE)	ND	2.0	mg/Kg	2.00	12/16/2004 14:07	
Ethyl tert-butyl ether (ETBE)	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
tert-Amyl methyl ether (TAME)	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
1,2-DCA	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
EDB	ND	1.0	mg/Kg	2.00	12/16/2004 14:07	
Ethanol	53	50	mg/Kg	2.00	12/16/2004 14:07	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	46.7	53-129	%	2.00	12/16/2004 14:07	S6
Toluene-d8	47.0	47-136	%	2.00	12/16/2004 14:07	

Severn Trent Laboratories, Inc.

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12/20/2004 11:59

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

Cambria Environmental Emeryville

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: SB-4-6.5	Lab ID: 2004-12-0329 - 6
Sampled: 12/02/2004 13:30	Extracted: 12/13/2004 11:55
Matrix: Soil	QC Batch#: 2004/12/11-3A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	1.00	12/13/2004 11:55	
Benzene	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
Toluene	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
Ethyl benzene	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
Total xylenes	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	12/13/2004 11:55	
Methyl tert-butyl ether (MTBE)	1.5	0.50	mg/Kg	1.00	12/13/2004 11:55	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	12/13/2004 11:55	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
1,2-DCA	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
EDB	ND	0.50	mg/Kg	1.00	12/13/2004 11:55	
Ethanol	ND	25	mg/Kg	1.00	12/13/2004 11:55	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.8	53-129	%	1.00	12/13/2004 11:55	
Toluene-d8	93.4	47-136	%	1.00	12/13/2004 11:55	

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12/20/2004 11:59

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Method Blank**

**Soil**

**QC Batch # 2004/12/11-3A.65**

MB: 2004/12/11-3A.65-044

Date Extracted: 12/13/2004 10:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	12/13/2004 10:44	
Benzene	ND	0.50	mg/Kg	12/13/2004 10:44	
Toluene	ND	0.50	mg/Kg	12/13/2004 10:44	
Ethyl benzene	ND	0.50	mg/Kg	12/13/2004 10:44	
Total xylenes	ND	0.50	mg/Kg	12/13/2004 10:44	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	12/13/2004 10:44	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	12/13/2004 10:44	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	12/13/2004 10:44	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	12/13/2004 10:44	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	12/13/2004 10:44	
1,2-DCA	ND	0.50	mg/Kg	12/13/2004 10:44	
EDB	ND	0.50	mg/Kg	12/13/2004 10:44	
Ethanol	ND	25	mg/Kg	12/13/2004 10:44	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	98.8	53-129	%	12/13/2004 10:44	
Toluene-d8	109.2	47-136	%	12/13/2004 10:44	

Severn Trent Laboratories, Inc.

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**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/12/13-3B.65-041

Soil

Test(s): 8260B

QC Batch # 2004/12/13-3B.65

Date Extracted: 12/13/2004 13:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	12/13/2004 13:41	
Benzene	ND	0.50	mg/Kg	12/13/2004 13:41	
Toluene	ND	0.50	mg/Kg	12/13/2004 13:41	
Ethyl benzene	ND	0.50	mg/Kg	12/13/2004 13:41	
Total xylenes	ND	0.50	mg/Kg	12/13/2004 13:41	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	12/13/2004 13:41	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	12/13/2004 13:41	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	12/13/2004 13:41	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	12/13/2004 13:41	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	12/13/2004 13:41	
1,2-DCA	ND	0.50	mg/Kg	12/13/2004 13:41	
EDB	ND	0.50	mg/Kg	12/13/2004 13:41	
Ethanol	ND	25	mg/Kg	12/13/2004 13:41	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	89.2	53-129	%	12/13/2004 13:41	
Toluene-d8	86.8	47-136	%	12/13/2004 13:41	

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

Cambria Environmental Emeryville

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Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/12/11-3A.65**

LCS 2004/12/11-3A.65-026

Extracted: 12/12/2004

Analyzed: 12/12/2004 02:26

LCSD 2004/12/11-3A.65-048

Extracted: 12/12/2004

Analyzed: 12/12/2004 02:48

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	8.84	8.47	10	88.4	84.7	4.3	69-129	20		
Toluene	9.03	8.65	10	90.3	86.5	4.3	70-130	20		
Methyl tert-butyl ether (MTBE)	9.95	9.08	10	99.5	90.8	9.1	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	210	208	250	84.0	83.2		53-129			
Toluene-d8	262	251	250	104.8	100.4		47-136			

Severn Trent Laboratories, Inc.

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

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

12/20/2004 11:59

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/12/13-3B.65**

LCS 2004/12/13-3B.65-005

Extracted: 12/13/2004

Analyzed: 12/13/2004 14:05

LCSD 2004/12/13-3B.65-028

Extracted: 12/13/2004

Analyzed: 12/13/2004 14:28

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	7.65	8.14	10	76.5	81.4	6.2	69-129	20		
Toluene	8.00	8.43	10	80.0	84.3	5.2	70-130	20		
Methyl tert-butyl ether (MTBE)	7.76	8.28	10	77.6	82.8	6.5	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	173	188	250	69.2	75.2		53-129			
Toluene-d8	225	233	250	90.0	93.2		47-136			

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

---

**Legend and Notes**

---

**Result Flag**

S6

Surrogate recoveries lower than acceptance limits.

Matrix interference suspected



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007

97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-8-5	12/02/2004 12:00	Soil	1
SB-4-5	12/02/2004 13:15	Soil	5

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:00

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B Test(s): 8260B  
Sample ID: SB-8-5 Lab ID: 2004-12-0329 - 1  
Sampled: 12/02/2004 12:00 Extracted: 12/12/2004 17:53  
Matrix: Soil QC Batch#: 2004/12/12-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/12/2004 17:53	
Benzene	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
Toluene	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/12/2004 17:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/12/2004 17:53	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
EDB	ND	0.0050	mg/Kg	1.00	12/12/2004 17:53	
Ethanol	ND	0.1	mg/Kg	1.00	12/12/2004 17:53	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.6	76-124	%	1.00	12/12/2004 17:53	
Toluene-d8	102.5	75-116	%	1.00	12/12/2004 17:53	

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12/20/2004 12:00

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: <b>SB-4-5</b>	Lab ID: 2004-12-0329 - 5
Sampled: 12/02/2004 13:15	Extracted: 12/12/2004 16:41
Matrix: Soil	QC Batch#: 2004/12/12-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	12/12/2004 16:41	
Benzene	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
Toluene	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
Total xylenes	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	1.00	12/12/2004 16:41	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	12/12/2004 16:41	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
1,2-DCA	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
EDB	ND	0.0050	mg/Kg	1.00	12/12/2004 16:41	
Ethanol	ND	0.1	mg/Kg	1.00	12/12/2004 16:41	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.5	76-124	%	1.00	12/12/2004 16:41	
Toluene-d8	101.3	75-116	%	1.00	12/12/2004 16:41	

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2004/12/12-1A.65

MB: 2004/12/12-1A.65-057

Date Extracted: 12/12/2004 13:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	12/12/2004 13:57	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	12/12/2004 13:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	12/12/2004 13:57	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	12/12/2004 13:57	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	12/12/2004 13:57	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	12/12/2004 13:57	
1,2-DCA	ND	0.0050	mg/Kg	12/12/2004 13:57	
EDB	ND	0.0050	mg/Kg	12/12/2004 13:57	
Benzene	ND	0.0050	mg/Kg	12/12/2004 13:57	
Toluene	ND	0.0050	mg/Kg	12/12/2004 13:57	
Ethyl benzene	ND	0.0050	mg/Kg	12/12/2004 13:57	
Total xylenes	ND	0.0050	mg/Kg	12/12/2004 13:57	
Ethanol	ND	0.10	mg/Kg	12/12/2004 13:57	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	102.0	76-124	%	12/12/2004 13:57	
Toluene-d8	102.8	75-116	%	12/12/2004 13:57	

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:00

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Soil**

**QC Batch # 2004/12/12-1A.65**

LCS 2004/12/12-1A.65-033  
LCSD

Extracted: 12/12/2004

Analyzed: 12/12/2004 13:33

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0455		0.05	91.0			65-165	20		
Benzene	0.0425		0.05	85.0			69-129	20		
Toluene	0.0427		0.05	85.4			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	435		500	87.0			76-124			
Toluene-d8	493		500	98.6			75-116			

Severn Trent Laboratories, Inc.

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12/20/2004 12:00

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 246-0467-007  
97564701

Received: 12/06/2004 10:45

Site: 1601 Webster, Alameda, CA

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2004/12/12-1A.65**

SB-4-5` >> MS

Lab ID: 2004-12-0329 - 005

MS: 2004/12/12-1A.65-004

Extracted: 12/12/2004

Analyzed: 12/12/2004 17:04

Dilution: 1.00

MSD: 2004/12/12-1A.65-029

Extracted: 12/12/2004

Analyzed: 12/12/2004 17:29

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	0.0352	0.0394	8.1e-005	0.045703	76.8	85.1	10.3	69-129	20		
Toluene	0.0357	0.0384	0.000375	0.045703	77.3	82.3	6.3	70-130	20		
Methyl tert-butyl ether	0.0373	0.0398	ND	0.045703	81.6	86.1	5.4	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	431	444		500	86.2	88.8		76-124			
Toluene-d8	503	512		500	100.6	102.4		75-116			

Severn Trent Laboratories, Inc.

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

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

12/20/2004 12:00

STL-San Francisco

# SHELL Chain Of Custody Record

96326

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1095 fax

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CONSULTING

Katrin Polyzou

## 2004-12-0329

INCIDENT NUMBER (S/E ONLY)

9 7 5 6 4 7 0 1

SAP or GRMT NUMBER (TSICRMT)

1 3 5 0 3 2

DATE

12/3/04

PAGE

1 of 1

SAMPLING COMPANY <b>Canbia Environmental Technology, Inc.</b>		LAB CODE <b>CETS</b>	SITE ADDRESS (Street and City) <b>1601 Webster, Alameda, CA</b>		GLOBAL ID# <b>TD600137103</b>
ADDRESS <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		KEEP CONTAINABLE TO Contaminated Party or Disposal		PHONE/FAX <b>510-420-3332</b>	CONTACT NAME PROJECT # <b>shelcokandell@canbia-env.com 245-6467-007</b>
PROJECT CONTACT (Name, Title, Phone, Fax) <b>Matt Derby</b>		PARTNER NAME (Project)		LAB USE ONLY	
TELEPHONE <b>510-420-3332</b>	FAX <b>510-420-9170</b>	E-MAIL <b>shelcokandell@canbia-env.com</b>			

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

LAB USE ONLY

REQUESTED ANALYSIS

FIELD NOTES:  
 Contains Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT: **2**

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Puigcable	TPH - Extractable (8015m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TCF	LDUSTS <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TCF	CAMP17 <input type="checkbox"/> Total <input type="checkbox"/> STC <input type="checkbox"/> TCF	Test for Disposal				
		DATE	TIME																					
	SB-8-5'	12/7/04	12:50	Soil	1	X		X	X	X	X	X	X											
	SB-8-6.5'		17:5	Soil	1																			
	SB-8-W		12:30	150	3																			
	SB-8-W15'		1:00	150	3																			
	SB-4-5'		1:15	Soil	1																			
	SB-4-6.5'		1:30	Soil	1																			
	SB-4-W		1:45	150	3																			
	SB-4-W15'		2:00	150	3																			

Prepared by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 12/3/04	Time 5 pm
Prepared by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 12/6/04	Time 10:45
Prepared by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date 12/6/04	Time 1555

2004-12-0329

**Brewer, Melissa**

---

**From:** Derby, Matt [mderby@cambria-env.com]  
**Sent:** Friday, December 10, 2004 6:34 PM  
**To:** Brewer, Melissa  
**Subject:** RE: Verification 1601 Webster, Alameda, CA : 2004-12-0329

Melissa-

Please use normal detection limits for soil and groundwater  
Please check hold times – samples weren't shipped for several days.

Thanks!

Mathew W. Derby, P.E.  
Sr. Project Engineer  
Cambria Environmental Technology  
5900 Hollis St, Suite A  
Emeryville, CA 94608  
510.420.3332 tel  
510.420.9170 fax  
mderby@cambria-env.com

-----Original Message-----

**From:** Brewer, Melissa [mailto:MBrewer@stl-inc.com]  
**Sent:** Friday, December 10, 2004 6:02 PM  
**To:** Matt Derby  
**Subject:** Verification 1601 Webster, Alameda, CA : 2004-12-0329

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

Project# : 246-0467-007  
Project Name: 97564701

This email includes reports for the following tests:

- Cover Letter  
File: STLSF2004120329-ChainofCustody-COC0000405445.PDF
- Project Verification Sheet  
File: STLSF2004120329-ProjectVerificationSheet-PVS0000406388.PDF

Please let me know if you have any questions.

Melissa Brewer  
Project Manager

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566-4756  
Phone: (925) 484-1919

12/13/2004



Fax: (925) 484-1096

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**ATTACHMENT G**  
**Soil Disposal Confirmation Report**



**FAXED**

Hazardous Waste Hauler (Registration #2843)

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

### Disposal Confirmation

Request for Transportation Received: \_\_\_\_\_ 12/03/04

### Consultant Information

Company: Cambria Environmental  
Contact: Ron Barone  
Phone: 510 420-3308  
Fax: 510 420-9170

### Site Information

Station #: N/A  
Street Address: 1601 Webster Street  
City, State, ZIP: Alameda, CA

Customer: Shell Oil Company RESA-0023-LDC  
RIPR #: 39345  
SAP # / Location: 135032  
Incident #: \_\_\_\_\_  
Location / WIC #: \_\_\_\_\_  
Environmental Engineer: Bill Merchant

Material Description: Contaminated soil  
Estimated Quantity: 2 yard  
Service Requested Date: \_\_\_\_\_

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 5029  
Date of Disposal: 12/04/04  
Actual Tonnage: 0.85

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