Shell Oil Products US

May 25, 2006

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

Subject: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Subsurface 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 (707) 865-0251 with any questions or concerns.

Sincerely,

Shell Oil Products US

Denis L. Brown
Project Manager

20945 S. Wilmington Ave., Carson, CA 90810 Phone (707) 865-0251 Facsimile (707) 865-2542

CAMBRIA

May 25, 2006

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

Re: **Subsurface Investigation Report**
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397

Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the February 2006 installation of two offsite monitoring wells near the referenced site. Cambria followed the scope of work presented in our December 20, 2005 *Plume Delineation Work Plan*, which Alameda County Environmental Health (ACEH) staff approved in their December 29, 2005 letter to Shell. The work was performed in accordance with ACEH and San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) guidelines.

SITE LOCATION AND DESCRIPTION

The site is a former service station located on the northwest corner of Martin Luther King Jr. Way and 27th Street in a commercial and residential area of Oakland, California (Figure 1). A Shell service station operated on the property from approximately 1959 to 1979. The site layout consisted of a service station building, two dispenser islands, three underground fuel storage tanks (USTs), associated product piping, and a waste oil UST (Figure 2). The fueling equipment associated with the former Shell service station was removed after Shell terminated operations at the site. In 1979, Acme West Ambulance Company (Acme) purchased the site and installed a 2,000-gallon UST for gasoline storage. Acme sold the property to Auto-Tech West (ATW) in 1986. According to an August 25, 1986 ACEH inspector's report, ATW reportedly never used the UST, although a 150-gallon aboveground waste oil tank, a 15-gallon carburetor cleaner tank, and a parts cleaning tank with solvent were reportedly in use.

Currently, the site is occupied by ATW and is utilized as an automotive repair shop. The current site operator uses the northwest corner of the property and the wooden car port for storage of

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such things as non-operational automobiles, portable gasoline containers, tires, and drums used for waste oil collection and storage.

PREVIOUS WORK

This section provides a chronologic description of previous investigations and a summary of the results. Historical sample locations are depicted on Figure 2. Table 1, herein, presents a summary of the boring and well construction details, and Tables 2, 3, and 4 present the cumulative soil, grab groundwater, and soil vapor analytical data, respectively, from various activities.

1994 UST Removal: The 2,000-gallon UST was removed on October 11, 1994 by KTW & Associates on behalf of ATW. Two soil samples (TP-1-N and TP-2-S) were collected from beneath the tank (Figure 2). Chemical analysis of the soil samples identified the presence of total petroleum hydrocarbons as gasoline (TPHg) at concentrations ranging from 870 milligrams per kilogram (mg/kg) to 18,000 mg/kg. Benzene concentrations in these samples ranged from 2.9 to 100 mg/kg. The tank pit remained open until March 19, 1996 when the excavation was back-filled subsequent to over-excavation by a Shell contractor.

1995 Phase I Environmental Site Assessment (ESA): In August and September 1995, Enviros Inc. (Enviros) performed a Phase I ESA for this site. Available information collected during this ESA indicates that the subject property was occupied by residential housing prior to approximately 1959. A building permit to erect a building was obtained for Shell Oil Company in February 1959. A building permit to "close lube bays with sheet metal panels" was secured for Shell Oil Company in July 1976.

In 1979, several building permits were secured for Acme to modify existing site structures. Two building permits were secured in 1979 related to the installation of a fuel pump at the site.

During a site survey in conjunction with the Phase I ESA, an excavation was observed near the southwest corner of the service building. The excavation was covered by a blue tarp. This excavation's location is consistent with that of the 2,000-gallon UST removed in 1994 by ATW, and with a large concrete slab observed in aerial photographs taken in 1971 and 1973, and a smaller concrete slab observed in aerial photographs taken in 1981 and 1985. The larger concrete slab observed in the aerial photographs was likely covering the USTs operated by Shell, and the smaller slab was likely covering the UST operated by Acme, confirming that the same location was used for both UST complexes.

1995 Subsurface Investigation: A site assessment was performed by ACC Environmental Consultants on May 23, 1995. This included drilling nine soil borings (B-1 through B-9) using a pneumatic sampling tool in the vicinity of the excavation (which formerly housed both Shell's and Acme's USTs) and the product dispenser islands, and collecting soil and groundwater samples for chemical analysis (Figure 2). TPHg concentrations in soil samples ranged from <20.0 to 830 mg/kg. Benzene concentrations ranged from <1.0 to 1.8 mg/kg. Separate phase hydrocarbons (SPH) were identified in water samples collected from four of the soil borings (B-1, B-5, B-6, and B-9). TPHg concentrations in the non-SPH grab groundwater samples submitted for chemical analysis ranged from <50 to 89,000 micrograms per liter (µg/l). Benzene concentrations in the grab groundwater samples ranged from <0.5 to 21,000 µg/l.

1996 Over-Excavation: Over-excavation and back-filling of Acme's former UST excavation were performed on March 19, 1996. The excavation, originally left open to 9 fbg, was over-excavated to approximately 11 fbg. Two soil samples (TP-3-W and TP-4-E) were collected from the bottom of the over-excavated former UST area. Soil sample TP-3-W, collected from the western end of the excavation, contained 560 mg/kg TPHg, and 3.1 mg/kg benzene. Soil sample TP-4-E, collected from the eastern end of the excavation, contained 2,700 mg/kg TPHg and <3.0 mg/kg benzene. The excavation was back-filled with clean imported fill material. Soil sampling and back-filling activities are documented in Enviros' May 10, 1996 correspondence.

1996 Subsurface Investigation: In July 1996, Enviros performed additional site assessment activities. Six exploratory borings (B-10, B-11, B-12, B-13, V-1, and V-2) were drilled and sampled on July 17 and 19, 1996 using a hollow-stem auger drill rig (Figure 2). Borings B-11 and B-12 were completed as groundwater monitoring wells MW-1 and MW-2, and borings V-1 and V-2 were completed as soil vapor extraction wells V-1 and V-2, respectively. Soil sampling was not performed in boring V-1 due to the fact that it was installed into the back-fill material within the former UST excavation. A soil sample from below the saturated zone in boring V-2 was submitted for physical parameter analyses (porosity, permeability, fractional organic carbon content, and dry bulk density).

TPHg and benzene were not detected in soil samples collected from MW-1 (B-11), MW-2 (B-12), and B-13. TPHg was detected in soil samples collected from B-10 and V-2 at concentrations of 1.7 and 110 mg/kg, respectively. Benzene concentrations in soil samples from B-10 and V-2 were <0.0050 and 0.29 mg/kg, respectively.

Grab groundwater samples were collected from borings B-10, B-12 (MW-2), and B-13 at the depth of first encountered groundwater (approximately 8 to 11 fbg) for chemical analysis. Boring B-11 (MW-1) did not yield sufficient groundwater for grab groundwater sample collection. Monitoring wells MW-1 and MW-2 were developed and sampled on August 2, 1999

by Blaine Tech Services (Blaine) of San Jose, CA. TPHg concentrations in the groundwater samples ranged from <50 to 290,000 µg/l. Benzene concentrations ranged from <0.50 to 34,000 µg/l.

1997 Modified Phase I ESA: In February 1997, Enviros performed a modified Phase I ESA for the subject facility. A review of aerial photographs (1952 to 1994), city directories (1967 to 1993) and Sanborn maps (1912 to 1970) did not reveal evidence of an off-site source of petroleum hydrocarbons which would have impacted groundwater onsite. The properties located north and west of the subject facility appear to have been occupied by residential houses from at least 1912 to the present. The nearest gasoline stations identified in the vicinity of the subject facility were a former Chevron station (740 27th Street at West) approximately 450 feet to the west, a former station (26th Street and Martin Luther King, Jr. Way) approximately 300 feet to the south, and a former Mobil station (554 27th Street) approximately 950 feet to the east.

2000 Sensitive Receptor Survey: In late 2000, Cambria performed a sensitive receptor survey which attempted to identify wells and underground utility conduits. Cambria obtained utility conduit maps from the City of Oakland Engineering Department to locate and map underground utility conduits which may act as preferential pathways for contaminant migration from the site. These conduit trenches are typically back-filled with materials which are more permeable than the surrounding native soils, therefore providing a path of least resistance for petroleum hydrocarbon migration within the local groundwater. Using these maps, Cambria identified the sanitary and storm sewer systems as the only utility conduits in the site vicinity which may act as preferential pathways. All other utilities are typically buried at depths which are shallower than those of the sewer systems. Conduits identified in the area are located at depths of approximately 3.5 to 9 fbg. Therefore, the potential does exist for groundwater to flow within these conduit trenches. Groundwater depth onsite historically ranges from approximately 4.5 to 10 fbg. However, since the typical groundwater flow direction onsite has generally been to the south, it is likely that any contaminant migration within the utility conduits would be limited, since the utility conduits located to the south of the site are the shallowest of all the conduits identified adjacent to the site at depths of 3.5 to 5.5 fbg. Cambria obtained well installation and destruction records from the California Department of Water Resources (DWR) in order to identify any active water producing wells in the vicinity of the site which may be at risk to petroleum hydrocarbon impact due to contaminant migration from the subsurface of the site. DWR records did not identify any existing wells within a ½-mile radius of the site.

2000 Subsurface Investigation: In November 2000, Cambria installed three soil borings (B-17, B-18 and B-19) and three groundwater monitoring wells (MW-3, MW-4 and MW-5) (Figure 2). Up to 2,100 mg/kg TPHg and 3.3 mg/kg benzene were reported in soil samples collected. No

TPHg or benzene was detected in soil samples collected from well MW-3. Except for 0.0070 mg/kg detected in soil sample B-18-7.0, no methyl tertiary butyl ether (MTBE) was detected in any of the analyzed soil samples. Tertiary butyl alcohol (TBA) was detected in soil samples MW-4-5.0 and B-19-5.0 at concentrations of 0.0079 and 0.0059 mg/kg, respectively.

Grab groundwater samples were collected from borings B-17 through B-19 at first encountered groundwater for analyses during the investigation. TPHg concentrations in grab water samples collected from the borings ranged from 58,000 to 190,000 µg/l. Benzene concentrations ranged from 4,400 to 13,000 µg/l. MTBE was detected in groundwater at concentrations of 16 and 300 µg/l from B-19 and B-17, respectively, and TBA was detected at 240 µg/l in B-19 only. No SPH was observed during the investigation.

2001 Oxygen Releasing Compound (ORC) Installation: As approved by the (ACHCSA), Blaine installed ORCs in wells V-1 and V-2 during the second quarter monitoring event on May 2, 2001. ORCs were removed during the fourth quarter 2001 monitoring event. MTBE has not been detected in these two wells since the ORCs were installed.

2002 Site Investigation: In April 2002, Cambria installed borings B-20 through B-22. Groundwater was first encountered in the borings between 8.0 fbg (B-20) and 8.8 fbg (B-21 and B-22). The maximum TPHg and benzene concentrations detected in soil were 380 and 0.17 mg/kg, respectively, in the soil sample collected from 8.0 fbg in boring B-22, located behind the station building. No TPHg was detected in soil samples collected from boring B-21. No MTBE was detected in any of the analyzed soil samples collected from borings B-20, B-21, or B-22. Up to 160,000 µg/l TPHg and 18,000 µg/l benzene were reported in grab groundwater samples collected from borings B-20, B-21, and B-22. No MTBE was detected in grab groundwater samples collected from the borings. The complete report of findings was included in Cambria's June 21, 2002 *Site Investigation Report*. This document included recommendations for additional activities; however, a response from ACHCSA was never received.

2003 - 2005 Oxygen Releasing Compound (ORC) Installation: Although agency approval was not received, Shell proactively installed ORC in wells MW-5 and V-2 during first quarter of 2003. The ORCs were replaced on a semi-annual basis. The use of ORC was discontinued during the first quarter 2005, at Shell's request.

May 2005 Agency Meeting: Since no agency response was received to the June 2002 *Site Investigation Report* that contained recommendations for additional investigation, and since monitoring continued to indicate elevated concentrations of volatile constituents in groundwater, Shell authorized Cambria to prepare a work plan to investigate subsurface soil, groundwater, and soil vapor conditions along the property boundaries and at select locations on site. A new case

worker was assigned to this project in early 2005, and following a meeting with the new case worker, technical comments and work plan approval were received in ACEH correspondence dated June 6, 2005. On August 15, 2005, Cambria submitted correspondence providing responses to the technical comments, notification of field work, and a request for extension for the report of findings. In correspondence dated August 19, 2005, ACEH granted the extension.

2005 Soil Vapor Investigation: From August 28 through 31, 2005, Cambria installed ten soil borings (GP-1 through GP-10). Boring specifications are described in Table 1 and their locations are shown on Figure 2. In soil, TPHg was detected from borings GP-1 at 10.0 fbg, GP-2 at 4.5 fbg, GP-3 at 5.0 and 8.5 fbg, GP-6 at 9.5 fbg, and GP-7 at 9.5 fbg at concentrations ranging from 1.5 to 3,300 mg/kg and benzene was detected from borings GP-2 at 4.5 fbg, and GP-3 at 5.0 and 8.5 fbg at concentrations ranging from 0.027 to 15 mg/kg. In groundwater, TPHg was detected in all four borings (GP-1, GP-3, GP-6, and GP-7) at concentrations ranging from 9,100 to 140,000 µg/l and benzene was also detected in all four groundwater samples at concentrations ranging from 320 to 17,000 µg/l. Soil vapor samples were collected from each boring and TPHg was detected in GP-1 through GP-10 at concentrations ranging from 350 to 71,000,000 micrograms per cubic meter (ug/m^3). Benzene was detected in soil samples collected from borings GP-1 through GP-3 and GP-5 through GP-10 at concentrations ranging from <4.1 to 170,000 ug/m^3. A complete discussion and presentation of these activities and findings is included in Cambria's November 15, 2005 *Site Investigation Report.* This report also included recommendations for performing a door-to-door survey within 300 feet of the site to confirm basement locations, building construction, and potential sources; preparing work plans for pilot testing and plume delineation. Cambria submitted the November 22, 2005 *Feasibility Study Work Plan* and the December 16, 2005 *Plume Delineation Work Plan,* which Alameda County Environmental Health (ACEH) staff approved in their December 29, 2005 correspondence.

December 2005 – Door-to-Door Survey: Cambria conducted a door-to-door survey within 300-feet of the subject site for wells, basements, and foundation type to identify building construction and potential vapor receptors. Questionnaires were sent to 110 properties and responses for 25 properties were received as of January 13, 2006. Tabulated data and a list of properties included in the survey, and which completed surveys were received was included in our *Door to Door Survey Report, Access Agreement Update, and Status/Schedule Update* submittal dated January 15, 2006. Of the 25 responses received, none of the properties had basements. Three properties were denoted as vacant; nine properties contained buildings constructed with slab-on-grade foundations; three contained buildings constructed with perimeter foundations. Responses for the other 10 properties were either left blank, marked as unknown, or the response was contradictory or unclear. Regarding underground storage tanks, 17 responses were negative, four responses were marked as "unknown", and four responses were left blank.

With the exception of the monitoring wells at the subject site, no wells were identified through the survey activities.

January 2006 – Subsurface Investigation: On January 3 and 4, 2006, Cambria advanced three monitoring wells (MW-6 through MW-8), one soil boring (B-23), and six soil vapor probes (VP-1 through VP-6). Boring specifications are described in Table 1 and their locations are shown on Figure 2. In soil, TPHg was detected from borings MW-6 at 10.0 and 15.5 fbg, MW-7 at 11.5 and 16.5 fbg, MW-8 at 10.5 and 19 fbg, and B-23 at 10, 15.5, and 19.5 fbg at concentrations ranging from 7.1 to 3,800 mg/kg. Benzene was detected from borings MW-6 at 19.5 fbg, MW-8 at 19.5 fbg, and B-23 at 15.5 and 19.5 fbg at concentrations ranging from 0.0090 to 33 mg/kg. The vapor probes were not installed due to saturated soil conditions. A complete discussion and presentation of these activities and findings is included in Cambria's April 14, 2006 *Site Investigation Report, and First Quarter 2006 – Groundwater Monitoring Report.*

January 2006 – DPE Pilot Test: Cambria conducted a five-day dual-phase extraction pilot test the week of January 16, 2006. The details and results were presented in Cambria's *Pilot Test Report* dated March 14, 2006. DPE was performed on wells V-1, V-2, MW-6, MW-7, MW-4, MW-5, and MW-8. On January 20, 2006, a constant vacuum DPE test was conducted on well MW-6. The report concluded **1)** the absence of vapor phase concentrations (and groundwater concentrations) from well V-1 indicates that the former UST excavation does not contain residual source material; **2)** high sustained and increasing vapor concentrations suggest source material is present in the vicinity of wells V-2, MW-5, and MW-8; **3)** variability in extraction flow rates across the site may reflect heterogeneities in subsurface soils or may suggest preferential pathways; and **4)** the extremely high effective radius of influence calculated for wells MW-5 and MW-8 during DPE testing on well MW-7 supports the presence of a preferential pathway in the vicinity of these wells. The data from the DPE pilot test suggests that DPE is feasible at this site. The groundwater table was effectively drawn down by DPE and moderate vapor extraction flow rates were yielded from some of the extraction points. Although DPE is deemed feasible, Cambria did not recommend implementing DPE at this site. The extraction points that yielded the highest vapor concentrations did not yield an effective vapor extraction flow rate. Conversely, low vapor concentrations were yielded from the extraction point that did yield an effective vapor extraction flow rate. Therefore, DPE is not considered feasible in the target areas at this site.

1996 to Present – Ongoing Groundwater Monitoring: Quarterly groundwater monitoring has been ongoing at the site since August 1996. No TPHg or benzene has been reported in groundwater samples collected from monitoring wells MW-1 and MW-2 since monitoring began. Although these wells are used for determining gradient, they have not been sampled since

January 2004. Well V-1, installed within the former UST excavation, reported historical maximum concentrations of TPHg and benzene of 57,000 and 5,200 µg/l in October 1997. Concentrations in this well decreased to below the detection limits by April 1998, followed by seasonal fluctuations at low concentrations. As of January 2006, this well was below the method detection limits for all constituents, including the fuel oxygenates. Well V-2, located downgradient of the former UST excavation, has had historical maximum concentrations of 90,000 µg/l TPHg and 10,200 µg/l benzene. As of January 2006, this well contains 45,000 µg/l TPHg and 1,900 µg/l benzene. Fuel oxygenates were not detected, but the detection limits were elevated due to elevated petroleum concentrations.

Wells MW-3, MW-4, and MW-5 were added to the quarterly monitoring program in May 2001. No TPHg or benzene has been reported in well MW-3 since monitoring began and it has not been sampled since January 2004. Historical maximum concentrations of 16,000 µg/l TPHg and 4,100 µg/l benzene have been reported in well MW-4. As of January 2006, well MW-4 reports 3,900 µg/l TPHg and 1,700 µg/l benzene. Well MW-4 also reports the fuel oxygenates di-isopropyl ether (DIPE) at 7.4 µg/l and tert butyl alcohol (TBA) at 32 µg/l. Historical maximum concentrations of 160,000 µg/l TPHg and 12,000 µg/l benzene have been reported in well MW-5. As of January 2006, well MW-5 reports 12,000 µg/l TPHg and 1,900 µg/l benzene. Well MW-5 does not report any fuel oxygenates, but the reporting limits are elevated due to elevated petroleum.

INVESTIGATION ACTIVITIES

The December 20, 2005 *Plume Delineation Work Plan* proposed offsite activities including the installation of seven offsite monitoring wells and eight soil vapor probes. Based on responses from only two of the offsite property owners, Cambria completed a portion of the scope of work recommended. Two monitoring wells (MW-12 and MW-14) were installed in February 2006, as presented below.

Personnel Present: Cambria geologist Bill DeBoer directed the field activities, working under the supervision of California Professional Geologist Ana Friel.

Permits: Alameda County Public Works Agency staff issued permits W2006-0041 and W2006-0042 for monitoring wells MW-14 and MW-12, respectively (Appendix A).

Drilling Companies: Gregg Drilling, Inc., of Martinez, California (C57 License #485-165).

Drilling Date: Both monitoring wells were installed on February 28, 2006.

Drilling Methods: All borings were cleared to 5 fbg using hand auger equipment. Monitoring well MW-12 was advanced to its total depth using hollow stem augers (HSA), and MW-14 was advanced to its total depth using hand auger equipment, based on access restrictions.

Number of Borings: Two monitoring wells were advanced during these field activities. The boring specifications are described in Table 1 and the boring locations are shown on Figures 2 and 3. Boring logs are included in Appendix B.

Boring Depths: MW-12 was advanced to a total depth of 20 fbg as outlined in the work plan. MW-14 was advanced to 14.5 fbg, at which point subsurface conditions prevented the further advancement of hand auger equipment.

Soil Sampling Methods: MW-12 was logged continuously using split-spoon sampling techniques. MW-14 was logged continuously through inspection of the hand auger cuttings. Soil samples were collected at approximate 5-foot intervals for potential chemical and headspace analysis and were retained in brass sleeves capped with Teflon ® sheets and tight fitting end caps. Soil samples were screened for the presence of organic vapors using a photo-ionization detector (PID) at approximate 5-foot intervals where possible. PID readings are recorded on the boring logs (Appendix B).

Soil Classification: Soils in both borings were classified in the field using the Unified Soil Classification System and all depths are approximated. Lithology for both borings consisted of silt or silt with sand (ML) interbedded with one to two foot thick silty gravel or silty gravel with sand (GM) layers to the maximum

explored depth of 20 fbg. Encountered soils are fully described on the exploratory boring logs presented in Appendix B.

Groundwater Depths: Groundwater was first encountered during drilling activities in borings MW-12 and MW-14 at 14.0 and 11.0 fbg, respectively.

Chemical Analyses: All soil samples were analyzed for TPHg, and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Cambria further requested analyses of selected samples for fuel oxygenates: methyl-t-butyl ether, diisopropyl ether, ethyl-t-butyl ether, tert-amyl methyl ether, and tert-butanol.

Soil Disposal: Soil generated during field activities was stockpiled onsite, underlain and covered by visqueen plastic sheeting, and sampled for disposal profiling. On April 13, 2006, Manley and Sons Trucking transported 0.35 tons of soil to Allied Waste Industries' Forward Landfill in Manteca, California. Disposal confirmation is provided as Appendix C.

Well Materials: Well MW-12 was constructed using two-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.020-inch and 2/12 Lonestar sand. Well MW-14 was constructed using one-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.020-inch and 2/12 Lonestar sand.

Screened Interval: Well MW-12 is screened from 5 to 20 fbg and MW-14 is screened from 5 to 14.5 fbg. Monitoring well construction details are presented on Table 1 and recorded on the exploratory boring logs (Appendix B).

Wellhead Survey: Virgil Chavez (licensed land surveyor No. 6323) of Vallejo, California surveyed the top of casing elevations for wells MW-12 and MW-14 relative to mean sea level on April 19, 2006 (Appendix D).

APRIL 19TH SITE VISIT

In addition to surveying the new wells, Cambria identified historical boring locations, excavation edges, trenches, and other site features, and requested that they be included in the survey. Thus, Figures 2 and 3 show the historical sample locations and other site features based on the April 2006 survey (with the exception of a few locations that we were unable to locate). Also, during the site visit, an inspection inside the building identified two bathrooms. A floor drain was observed in the northern-most bathroom. Standing liquid was present in the floor drain and automotive parts and cleaners were stored in this area. Thus, a sample from the floor drain was collected and submitted for analyses of volatile organic compounds (VOCs) by EPA Method 8260 and semi-volatile organic compounds (SVOCs) by EPA Method 8270.

HYDROCARBON DISTRIBUTION IN SOIL

A total of 7 soil samples were submitted for chemical analyses of TPHg and BTEX. None of the samples from well MW-12 indicated the presence of any TPHg or BTEX. The 5-fbg sample from MW-14 also did not contain any reportable concentrations. TPHg was reported in the 10- and 14-fbg samples from MW-14 at concentrations of 32 and 970 mg/kg, respectively. Benzene was reported in the same two samples at concentrations of 0.0083 and 2.3 mg/kg, respectively. Fuel oxygenates were requested on the 10-fbg and 14-fbg soil samples from MW-14, and none were reported above the detection limits. The laboratory data is presented on Table 2 and TPHg and benzene data are presented on Figure 3. The complete laboratory report and chain of custody forms are included in Appendix E.

RESULTS OF FLOOR DRAIN SAMPLE

The floor drain sample was analyzed for VOCs and SVOCs. The results indicated the presence of carbon disulfide (3.69 µg/l), ethylbenzene (0.610 µg/l) and toluene (0.770 µg/l). The complete laboratory reports and chain of custody form are included in Appendix E.

DISCUSSION

The new monitoring wells will be developed and added to the quarterly monitoring program at this site. Results from the initial sample event will be included with the second quarter monitoring report scheduled for submittal on July 15, 2006. The second quarter monitoring

event will include analyses for additional constituents in an effort to better understand the sources of groundwater impact at this site.

RECOMMENDATIONS

Based on the results of this and previous investigations at this site, Cambria presents the following recommendations:

- The location of the sewer line connected to the floor drain is to be assessed and mapped using a utility locating and geophysical testing methods (currently scheduled for May 22, 2006);
- Since the northwestern portion of the parcel has been recently cleared of storage materials and vehicles, a geophysical survey of the northwestern portion of the site should be performed (currently scheduled for May 22, 2006);
- Additional subsurface investigation should be performed in the following areas onsite:
  - Near the former dispenser islands to evaluate current conditions and concentrations observed in historical borings B-6, B-9, and B-19 (depth should extend to at least 20 fbg for characterization);
  - Near the trench patch observed on April 19th, shown on Figure 3;
  - In the northwest corner of the site where a square patch was observed;
  - Around the former 2,000-gallon UST excavation to determine conditions to 20 fbg, and to determine where the three 10,000-gallon UST cavity was positioned;
- The soil vapor probes that were initiated in January 2006 should be installed and sampled, once perched groundwater is no longer an issue.

Following receipt of the data from the second quarter monitoring event and completion of the first two bullet items presented above, Cambria will develop a work plan for additional onsite investigation activities.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc.

for Bill DeBoer
Staff Geologist

Ana Friel, PG
Associate Geologist

Attachments:

Table 1.	Well/Boring Data
Table 2.	Soil Analytical Data
Table 3.	Grab Groundwater Analytical Data
Table 4.	Soil Vapor Analytical Data
Figure 1.	Site Vicinity /Receptor Survey Map
Figure 2.	Site Plan and Historical Sample Locations
Figure 3.	Soil Chemical Concentration Map
Appendix A.	Permits
Appendix B.	Exploratory Boring Logs
Appendix C.	Disposal Documentation
Appendix D.	Monitoring Well Survey Data
Appendix E.	Certified Analytical Reports

cc: Denis Brown, Shell
Rodney & Janet Kwan, property owners

Table 1. Well/Boring Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Name	Type	Date Installed	TOC Elev (ft msl)	Total Depth (ft)	Soil Sample (ft) Incr. or	Soil Sample (ft) Depth(s)	First Encountered GW Depth (ft)	First Encountered GW Elev (ft msl)	Screen Diam. (In)	Screen Depth (ft) Top	Screen Depth (ft) Bottom	Comments
MW-1	Well (HSA)	19-Jul-96	29.54	21	5	-	9	20.54	2	6	21	Logged as B-11
MW-2	Well (HSA)	19-Jul-96	28.48	21	5	-	11	17.48	2	6	21	Logged as B-12
MW-3	Well (HSA)	19-Jul-96	28.30	20	5	-	15	13.30	4	5	20	
MW-4	Well (HSA)	21-Nov-00	28.51	20	5	-	15	13.51	4	5	20	
MW-5	Well (HSA)	21-Nov-00	29.61	20	5	-	15	14.61	4	5	20	
MW-6	Well (HSA)	04-Jan-06	28.60	20	C	-	13.5	15.10	4	5	20	
MW-7	Well (HSA)	04-Jan-06	29.71	20	C	-	12.5	17.21	4	5	20	
MW-8	Well (HSA)	03-Jan-06	29.54	20	C	-	12	17.54	4	5	20	
MW-12	**Well (HSA)**	**28-Feb-06**	**31.16**	**20**	**C**	-	**14**	17.16	**2**	**5**	**20**	
MW-14	**Well (Hand Auger)**	**28-Feb-06**	**28.09**	**14.5**	**C**	-	**11**	17.09	**1**	**5**	**14.5**	
V-1	Well (HSA)	17-Jul-96	29.24	13	5	-	10	19.24	2	3	13	
V-2	Well (HSA)	19-Jul-96	28.81	13	5	-	8	20.81	2	3	13	
B-1	Boring (Direct push)	23-May-95	-	9	C	-	8	-	-	-	-	
B-2	Boring (Direct push)	23-May-95	-	7	C	-	7.5	-	-	-	-	
B-3	Boring (Direct push)	23-May-95	-	12	C	-	-	-	-	-	-	
B-4	Boring (Direct push)	23-May-95	-	12	C	-	-	-	-	-	-	
B-5	Boring (Direct push)	23-May-95	-	15	C	-	14.5	-	-	-	-	
B-6	Boring (Direct push)	23-May-95	-	15	C	-	10.5	-	-	-	-	
B-7	Boring (Direct push)	23-May-95	-	15	C	-	9.5	-	-	-	-	
B-8	Boring (Direct push)	23-May-95	-	15	C	-	13.5	-	-	-	-	
B-9	Boring (Direct push)	23-May-95	-	14	C	-	-	-	-	-	-	
B-10	Boring (Direct push)	19-Jul-96	-	9.5	5	-	-	-	-	-	-	
B-13	Boring (Direct push)	19-Jul-96	-	16	5	-	10	-	-	-	-	
B-17	Boring (Direct push)	22-Nov-00	-	15	C	-	13	-	-	-	-	
B-18	Boring (Direct push)	22-Nov-00	-	15	C	-	14.6	-	-	-	-	
B-19	Boring (Direct push)	22-Nov-00	-	20	C	-	15	-	-	-	-	

Table 1. Well/Boring Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Name	Type	Date Installed	TOC Elev (ft msl)	Total Depth (ft)	Soil Sample (ft) Incr. or	Soil Sample (ft) Depth(s)	First Encountered GW Depth (ft)	First Encountered GW Elev (ft msl)	Screen Diam. (In)	Screen Depth (ft) Top	Screen Depth (ft) Bottom	Comments
B-20	Hand Auger	11-Apr-02	-	9	C	-	8	-	-	-	-	
B-21	Hand Auger	11-Apr-02	-	9	C	-	8	-	-	-	-	
B-22	Hand Auger	11-Apr-02	-	9	C	-	8	-	-	-	-	
B-23	Hollow Stem Auger	3-Jan-06	-	20	C	-	13.5	-	-	-	-	
GP-1	Boring (Hand auger)	29-Aug-05	-	12	C	-	10.5	-	-	-	-	
GP-2	Boring (Hand auger)	29-Aug-05	-	4.5	C	-	-	-	-	-	-	
GP-3	Boring (Hand auger)	29-Aug-05	-	12	C	-	9	-	-	-	-	
GP-4	Boring (Hand auger)	31-Aug-05	-	4.5	C	-	-	-	-	-	-	
GP-5	Boring (Hand auger)	30-Aug-05	-	4.5	C	-	-	-	-	-	-	
GP-6	Boring (Hand auger)	30-Aug-05	-	20	C	-	20	-	-	-	-	
GP-7	Boring (Hand auger)	30-Aug-05	-	10	C	-	10	-	-	-	-	
GP-8	Boring (Hand auger)	30-Aug-05	-	4.5	C	-	-	-	-	-	-	
GP-9	Boring (Hand auger)	31-Aug-05	-	4.5	C	-	-	-	-	-	-	
GP-10	Boring (Hand auger)	31-Aug-05	-	4.5	C	-	-	-	-	-	-	

Abbreviations:

C = Continuous

TOC = Top of Casing referenced to mean sea level

Table 2. Soil Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	Lead (mg/kg)
Soil Analytical Data sampled by 8260B, 02-28-06										
MW-12-5	5	28-Feb-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
MW-12-10	10	28-Feb-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
MW-12-15	15	28-Feb-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
MW-12-19.5	19.5	28-Feb-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
MW-14-5	5	28-Feb-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
MW-14-10	10	28-Feb-06	**32**	**0.0083**	<0.0050	**0.028**	**0.0055**	<0.0050	<0.025	NA
MW-14-14	14	28-Feb-06	**970**	**2.3**	**0.18**	**19**	**27**	<0.15	<0.70	NA
Soil Analytical Data sampled by 8015M/8021 or 8260B as indicated, 01-03-06 to 01-04-06										
MW-6 *(8260)*	5 [a, b]	04-Jan-06	<4.9	<0.025	<0.025	**0.025**	**0.044**	NA	NA	**17**
MW-6 *(8015)*	10 [a]	04-Jan-06	**290**	<1.2	<1.2	**3.1**	**3.2**	NA	NA	**14**
MW-6 *(8015)*	15.5	04-Jan-06	**36**	<0.62	<0.62	**0.65**	**2.1**	NA	NA	NA
MW-6 *(8260)*	19.5 [b]	04-Jan-06	<1.0	**0.0090**	<0.0050	**0.010**	**0.022**	NA	NA	NA
MW-7 *(8260)*	5.5 [b]	4-Jan-06	<1.0	<0.0050	<0.0050	<0.0050	**0.013**	NA	NA	**11**
MW-7 *(8260)*	11.5 [a, b, c]	4-Jan-06	**7.1**	<0.025	<0.025	**0.19**	**5.2** [d]	NA	NA	**8.5**
MW-7 *(8015)*	16.5 [a]	4-Jan-06	**340**	<1.2	<1.2	**7.2**	<1.2	NA	NA	NA
MW-7 *(8260)*	19.5 [b]	4-Jan-06	<1.0	<0.0050	<0.0050	<0.0050	**0.010**	NA	NA	NA
MW-8 *(8260)*	6.5 [b]	3-Jan-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	**310**
MW-8 *(8015)*	10.5 [a, e]	3-Jan-06	**880**	<6.2	<6.2	**15**	**72**	NA	NA	**5.3**
MW-8 *(8015)*	19.5 [e]	3-Jan-06	**19**	**0.63**	<0.62	<0.62	**0.80**	NA	NA	NA
B-23 *(8260)*	5 [b]	3-Jan-06	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	**9.1**
B-23 *(8015)*	10 [a, e]	3-Jan-06	**520**	<6.2	<6.2	**12**	**62**	NA	NA	**5.4**
B-23 *(8015)*	15.5 [a, e]	3-Jan-06	**3,800**	**33**	**50**	**98**	**480**	NA	NA	NA
B-23 *(8015)*	19.5 [a, e]	3-Jan-06	**350**	**1.6**	**1.9**	**15**	**35**	NA	NA	NA

Table 2. Soil Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	Lead (mg/kg)
Soil Analytical Data by 8260, sampled 08-29-05 to 08-31-05										
GP-1-5.0'	5.0	29-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-1-10.0'	10.0	29-Aug-05	**190***	<0.50	<0.50	<0.50	<0.50	NA	NA	NA
GP-2-4.5'	4.5	29-Aug-05	**1.5**	**0.035**	<0.0050	**0.0063**	<0.0050	NA	NA	NA
GP-3-5.0'	5.0	29-Aug-05	**7.5**	**0.027**	<0.0050	**0.085**	**0.11**	NA	NA	NA
GP-3-8.5'	8.5	29-Aug-05	**3,300**	**15**	**2.7**	**91**	**230**	NA	NA	NA
GP-4-4.5'	4.5	31-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-5-4.5'	4.5	30-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-6-5.0'	5.0	29-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-6-9.5'	9.5	29-Aug-05	**260**	<0.50	<0.50	**2.1**	**6.8**	NA	NA	NA
GP-7-5.0'	5.0	30-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-7-9.5'	9.5	30-Aug-05	**440**	<0.50	**1.8**	**10**	**59**	NA	NA	NA
GP-8-4.5'	4.5	30-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-9-4.5'	4.5	31-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
GP-10-4.5'	4.5	31-Aug-05	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA
Soil Analytical Data by 2860, sampled 4-11-02										
B-20-4.5	4.5	04-11-02	**1.1**	**0.0075**	<0.005	<0.005	<0.005	<0.5	NA	NA
B-20-7.5	7.5	04-11-02	**22**	<0.005	<0.005	**0.14**	**0.027**	<0.5	NA	NA

Table 2. Soil Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	Lead (mg/kg)
B-21-3.0	3.0	04-11-02	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA
B-21-8.0	8.0	04-11-02	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA
B-22-3.0	3.0	04-11-02	<1.0	<0.005	<0.005	<0.005	<0.005	<0.5	NA	NA
B-22-8.0	3.0	04-11-02	**380**	**0.17**	**0.27**	**6.1**	**31**	<0.5	NA	NA
Soil Analytical Data by 8260, sampled 11-22-00										
MW-3-5.0	5.0	11-22-00	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
MW-3-10.5	10.5	11-22-00	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
MW-4-5.0	5.0	11-21-00	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
MW-4-10.5	10.5	11-21-00	**860**	**1.1**	<0.20	**18**	**66**	<0.20	<2.0	NA
MW-5-5.0	5.0	11-21-00	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
MW-5-10.5	10.5	11-21-00	**1,300**	**3.3**	**13**	**26**	**140**	<0.20	<2.0	NA
B-17-5.0	5.0	11-22-00	**1.3**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
B-17-7.0	7.0	11-22-00	**2,100**	**0.31**	**0.64**	**18**	**140**	<0.050	<0.050	NA
B-18-5.0	5.0	11-22-00	**1.2**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
B-18-7.0	7.0	11-22-00	**42**	<0.0050	<0.0050	**0.094**	<0.0050	**0.0070**	<0.050	NA
B-19-5.0	5.0	11-22-00	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA
B-19-7.0	7.0	11-22-00	**2.4**	**0.02**	<0.0050	**0.025**	**0.023**	<0.0050	<0.020	NA
Soil Analytical Data by 8015/8021 sampled 07-17-96										
TP-3-W	11.0	07-17-96	**560**	**3.1**	**4.1**	**11**	**41**	NA	NA	NA
TP-4-E	11.0	07-17-96	**2,700**	**<3.00**	**44.0**	**36**	**210**	NA	NA	NA

Table 2. Soil Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	Lead (mg/kg)
Soil Analytical Data by 8015/8021 sampled 05-23-95										
B-1-5	5.0	05-23-95	**63**	<0.1	<0.1	**0.4**	**0.1**	NA	NA	NA
B-2-5	5.0	05-23-95	**260**	**0.6**	<0.1	**4.7**	**10**	NA	NA	NA
B-3-6	6.0	05-23-95	**150**	<0.1	<0.1	**0.9**	**0.4**	NA	NA	NA
B-4-6	6.0	05-23-95	**55**	<0.1	<0.1	**0.4**	**0.2**	NA	NA	NA
B-5-8	8.0	05-23-95	**830**	**1.8**	**9.2**	**12.0**	**33**	NA	NA	NA
B-6-5	5.0	05-23-95	**130**	<0.1	<0.1	**1.0**	**1.1**	NA	NA	NA
B-6-10	10.0	05-23-95	**390**	**0.3**	<0.1	**7.3**	**27**	NA	NA	NA
B-7-5	5.0	05-23-95	<20	<0.1	<0.1	**1.0**	**1.1**	NA	NA	NA
B-7-10	10.0	05-23-95	**53**	<0.1	<0.1	**0.2**	**0.3**	NA	NA	NA
B-8-10	10.0	05-23-95	<20	<0.1	<0.1	**0.1**	<0.1	NA	NA	NA
Soil Analytical Data by 8015/8021 sampled 10-11-94										
TP-1-N		10-11-94	**18000** [f,g]	**100**	**870**	**370**	**2,000.0**	NA	NA	NA
TP-2-S		10-11-94	**870** [f,g]	**2.9**	**2.1**	**19**	**21**	NA	NA	NA

Table 2. Soil Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary butyl alcohol

Lead analyzed by EPA Method 3050B

fbg = Feet below grade

<x = Not detected at reporting limit x

NA = Not analyzed

a = Reporting limit raised due to high level of analyte present in sample.

b = Extracted out of hold time.

c = Internal standard out of range.

d = Estimated value. The concentration exceeded the calibration of analysis.

e = Initial analysis within holding time, but required dilution.

f = Heavier gasoline range compounds are significant (aged gasoline?).

g = Gasoline range compounds are significant; no recognizable pattern.

Table 3. Grab Groundwater Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)
Groundwater samples by 8015M/8020, sampled January 3 and 4, 2006									
MW-6-W [a]	NA	04-Jan-06	59,000	6,400 [b]	890 [b]	2,200 [b]	8,100 [b]	NA	NA
MW-7-W [a]	NA	04-Jan-06	83,000	4,400 [b]	930 [b]	3,200 [b]	16,000 [b]	NA	NA
MW-8-W [a]	NA	03-Jan-06	49,000	1,100 [b]	92 [b]	480 [b]	2,700 [b]	NA	NA
B-23-W [a]	NA	03-Jan-06	230,000	26,000 [b]	700 [b]	920 [b]	110,000 [b,c]	NA	NA
Groundwater samples by 8260B, sampled August 29 and 30, 2005									
GP-1-10.5'W	10.5	29-Aug-05	47,000	330	<50	680	140	NA	NA
GP-3-10'W	10.0	29-Aug-05	79,000	5,200	13,000	1,400	7,800	NA	NA
GP-6-20'W	20.0	29-Aug-05	9,100	320	34	380	750	NA	NA
GP-7-10'W	10.0	30-Aug-05	140,000	17,000	4,600	7,600	45,000	NA	NA
Groundwater samples by 8260B, sampled April 11, 2002									
B-20	NA	11-Apr-02	58,000	5,000	200	3,800	4,500	<200	NA
B-21	NA	11-Apr-02	160,000	18,000	9,200	5,500	29,000	<500	NA
B-22	NA	11-Apr-02	110,000	6,700	1,200	4,700	23,000	<250	NA
Groundwater samples by 8260B, sampled November 22, 2000									
B-17	NA	22-Nov-00	190,000	13,000	24,000	5,500	30,000	300	<2,000
B-18	NA	22-Nov-00	90,000	3,500	370	5,000	18,000	<20	<200
B-19	NA	22-Nov-00	58,000	4,400	740	2,200	7,300	16	240

Table 3. Grab Groundwater Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)
Groundwater samples by 8015/8021, sampled May 23, 1995									
B-1	NA	23-May-95	Approximately 0.5-0.75 inches of Non-aqueous phase product						
B-2	NA	23-May-95	**6,600**	**340**	**24**	**160**	**27**	NA	NA
B-5	NA	23-May-95	Approximately 0.25-0.50 inches of Non-aqueous phase product:						
B-6	NA	23-May-95	Approximately 1 -2 inches of Non-aqueous phase product						
B-7	NA	23-May-95	**89,000**	**21,000**	**11,000**	**3,800**	**16,000**	NA	NA
B-8	NA	23-May-95	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	NA	NA
B-9	NA	23-May-95	Approximately 0.5-1.0 inches of Non-aqueous phase product						

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary butyl alcohol

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

b - Analyzed outside of holding time

c - Estimated value; the concentraion exceeded the calibration of analysis.

Table 4. Soil Vapor Analytical Data, Former Shell Service Station, 2703 Martin Luther King Jr. Way, Oakland, California

Sample ID	Sample Depth (fbg)	Date Sampled	TPHg ($\mu g/L$)	TPHg ($\mu g/m^3$)	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	X ($\mu g/m^3$)
GP-1-4.0	4.0	29-Aug-05	1.2	1,200	12	5.1	<5.5	9.8
GP-2-4.0	4.0	29-Aug-05	180	**180,000**	**2,900**	<22	<26	<26
GP-3-4.0	4.0	29-Aug-05	**71,000**	**71,000,000**	**170,000**	<2,100	<2,400	<2,400
GP-4-4.0	4.0	31-Aug-05	0.35	350	<4.1	8.9	<5.6	6.2
GP-5-4.0	4.0	30-Aug-05	3.1	3,100	5.4	5.4	<5.6	8.4
GP-6-4.0	4.0	29-Aug-05	**340**	**340,000**	**780**	<22	<25	<25
GP-7-4.0	4.0	30-Aug-05	**37**	**37,000**	**340**	1,100	200	452
GP-8-4.0	4.0	30-Aug-05	1.6	1,600	8.4	5.0	<5.6	<5.6
GP-9-4.0	4.0	31-Aug-05	3.7	3,700	4.6	5.6	<6.0	6.9
GP-10-4.0	4.0	31-Aug-05	99	**99,000**	32	22	6.4	22
Environmental Screening Levels SFBRWQCB, February 2005	**Commercial**		**72**	**72,000**	**290**	**180,000**	**1,200,000**	**410,000**
	Residential		**26**	**26,000**	**85**	**63,000**	**420,000**	**150,000**

Abbreviations and Notes:

Results in **bold** exceed Environmental Screening Level

fbg = Feet below grade

$\mu g/L$ = micrograms per liter

$\mu g/m^3$ = micrograms per cubic meter

<x = Not detected at reporting limit x

TPHg = Total petroleum hydrocarbons as gasoline by Modified EPA Method TO-3 GC/FID

BTEX = Benzene, toluene, ethylbenzene, and xylenes by Modified EPA Method TO-14A

12/11/03

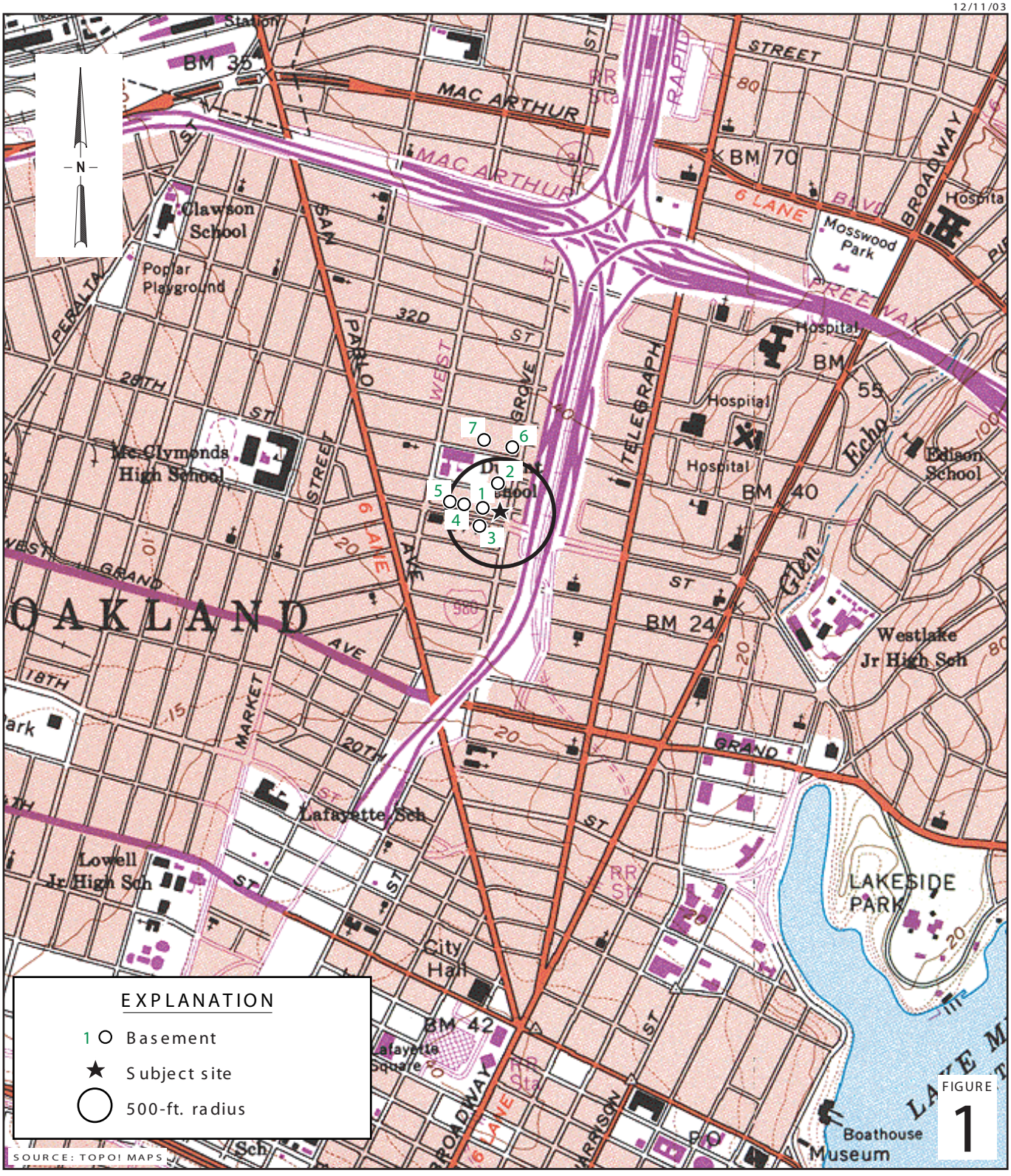


FIGURE 1

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California

CAMBRIA

Site Vicinity/Receptor Survey Map

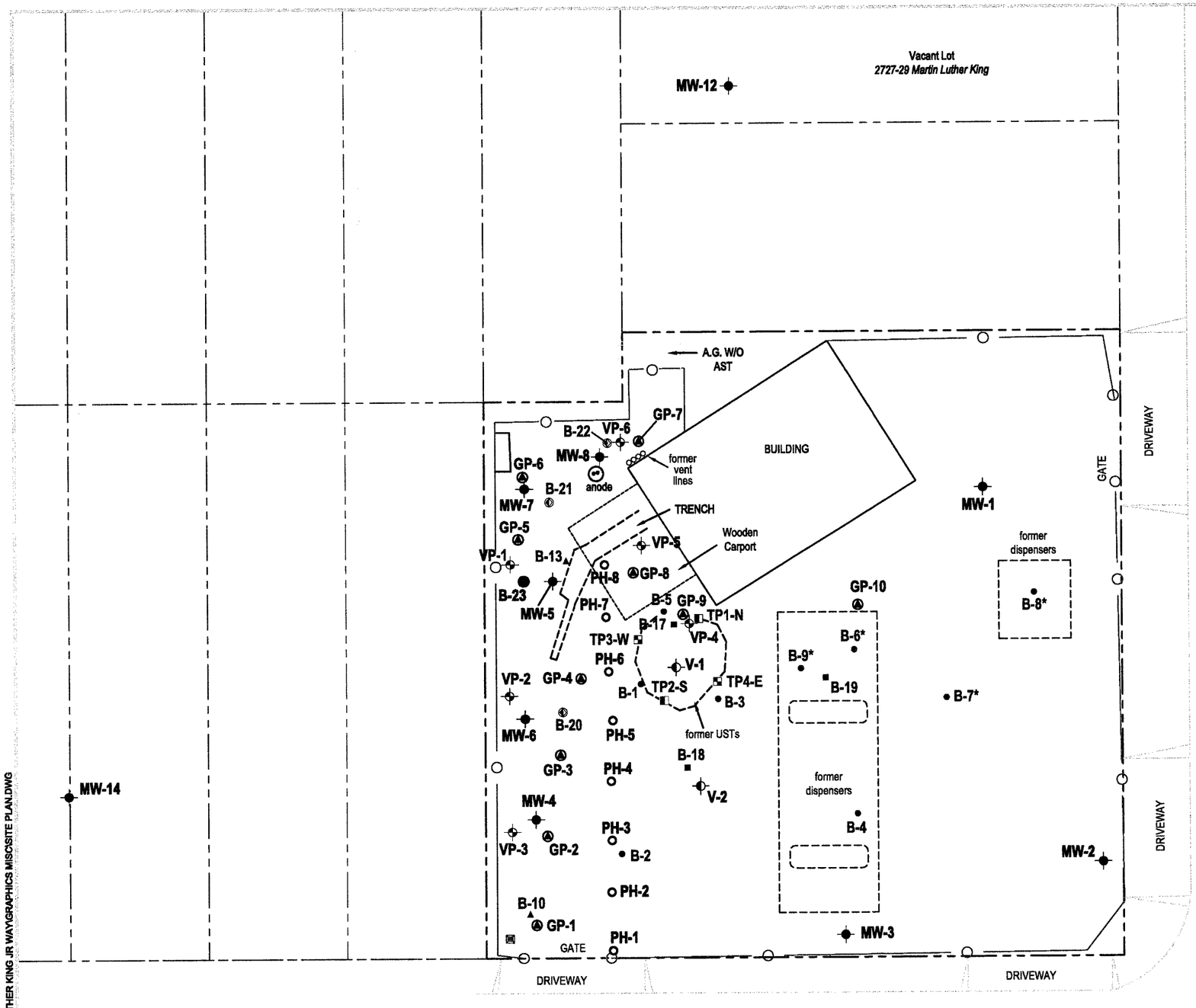
05/19/06

Site Plan and Historical Sample Locations

EXPLANATION

PH-1 ○	Post hole
MW-12 ⊕	Monitoring well location (2/06)
MW-6 ⊕	Monitoring well location (1/06)
MW-3 ⊕	Monitoring well location (11/00)
MW-1 ⊕	Monitoring well location (7/96)
V-1 ⊕	Soil vapor well location (7/96)
VP-1 ⊕	Vapor probe location (1/06)
B-23 ●	Soil boring location (1/06)
GP-1 ◬	Soil boring location (8/05)
B-20 ◐	Soil boring location (4/02)
B-17 ■	Soil boring location (11/00)
B-10 ▲	Soil boring location (7/96)
TP3-W ◪	UST excavation samples (3/96)
B-1 •	Soil boring location (5/95)
*	Not surveyed
TP1-N ◧	UST excavation samples (10/94)

Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map



0 10 20 40
Scale (ft)

FIGURE
2

Former Shell Service Station
2703 Martin Luther King Jr Way
Oakland, California

C AMBRIA

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\SITE PLAN.DWG

05/19/06

MW-12: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.0050
10'	<1.0	<0.0050
15'	<1.0	<0.0050
19.5'	<1.0	<0.0050

MW-12

Vacant Lot
2727-29 Martin Luther King

A.G. W/O AST

B-22 VP-6 GP-7

MW-8

GP-6

B-21

MW-7

GP-5

VP-1

B-13

B-23

MW-5

PH-8

PH-7

GP-8

VP-5

TRENCH

Wooden Carport

former vent lines

anode

BUILDING

MW-1

GATE

DRIVEWAY

former dispensers

B-8*

GP-10

B-6*

B-9*

B-19

B-7*

B-5 GP-9 TP1-N

B-17

TP3-W

VP-4

PH-6

V-1

VP-2 GP-4

B-1

TP2-S

TP4-E

B-3

MW-6

B-20

PH-5

former USTs

B-18

GP-3

PH-4

V-2

former dispensers

B-4

MW-4

VP-3 GP-2

PH-3

B-2

MW-2

DRIVEWAY

PH-2

B-10

GP-1

GATE

PH-1

MW-3

DRIVEWAY

DRIVEWAY

MW-14

MW-14: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.0050
10'	32	0.0083
14'	970	2.3

27TH STREET

MARTIN LUTHER KING JR. WAY

EXPLANATION

- PH-1 ○ Post hole
- MW-12 ⊕ Monitoring well location (2/06)
- MW-6 ⊕ Monitoring well location (1/06)
- MW-3 ⊕ Monitoring well location (11/00)
- MW-1 ⊕ Monitoring well location (7/96)
- V-1 ⊕ Soil vapor well location (7/96)
- VP-1 ⊕ Vapor probe location (1/06)
- B-23 ● Soil boring location (1/06)
- GP-1 ◬ Soil boring location (8/05)
- B-20 ◐ Soil boring location (4/02)
- B-17 ■ Soil boring location (11/00)
- B-10 ▲ Soil boring location (7/96)
- TP3-W ◪ UST excavation samples (3/96)
- B-1 • Soil boring location (5/95)
- * Not surveyed
- TP1-N ◧ UST excavation samples (10/94)

MW-12: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.0050
10'	<1.0	<0.0050
15'	<1.0	<0.0050
19.5'	<1.0	<0.0050

Soil Sample ID

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

Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map

0 10 20 40

Scale (ft)

FIGURE

3

Soil Chemical Concentration Map

February 28, 2006

CAMBRIA

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\SOIL DATA 2-06.DWG

Appendix A

Permits

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 01/24/2006 By jamesy **Receipt Number: WR2006-0030**
Permits Issued: W2006-0039 to W2006-0044 **Permits Valid from 02/23/2006 to 02/28/2006**

Application Id: 1138047085556 **City of Project Site:**Oakland
Site Location: 2703 MLK Wy, Oakland, CA 94704
Project Start Date: 02/23/2006 **Completion Date:**02/28/2006

Applicant: Cambria - Bill DeBoer **Phone:** 510-420-3369
5900 Hollis St, #A, Emeryville, CA 94608
Property Owner: Shell Oil Products Co. **Phone:** --
20945 Wilmington, Carson, CA 90810
Client: ** same as Property Owner **

Total Due: $1700.00
Total Amount Paid: $1700.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 5 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $1500.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2006-0039	01/24/2006	05/24/2006	MW-10	10.00 in.	4.00 in.	5.00 ft	20.00 ft
W2006-0040	01/24/2006	05/24/2006	MW-11	10.00 in.	4.00 in.	5.00 ft	20.00 ft
W2006-0041	01/24/2006	05/24/2006	MW-14	10.00 in.	4.00 in.	5.00 ft	20.00 ft
W2006-0042	01/24/2006	05/24/2006	MW-15	10.00 in.	4.00 in.	5.00 ft	20.00 ft
W2006-0043	01/24/2006	05/24/2006	MW-9	10.00 in.	4.00 in.	5.00 ft	20.00 ft

Specific Work Permit Conditions

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

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

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

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall contact George Cashen for an inspection time at 510-760-6610 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

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

Borehole(s) for Investigation-Geotechnical Study/CPT's - 1 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0044	01/24/2006	05/24/2006	1	4.00 in.	6.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

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

4. Applicant shall contact George Cashen for an inspection time at 510-760-6610 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no

case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Cuttings may also be left on site or spread out as long as the applicants has approval from the property owner and the cuttings will not violate the State and County Clean Water laws (NPDES).

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

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

Appendix B

Exploratory Boring Logs

Boring/Well Log Legend

KEY TO SYMBOLS/ABBREVIATIONS

- First encountered groundwater
- Static groundwater
- Soils logged by hand-auger or air-knife cuttings
- Soils logged by drill cuttings or disturbed sample
- Undisturbed soil sample interval
- Soil sample retained for submittal to analytical laboratory
- No recovery within interval
- Hydropunch or vapor sample screen interval

PID = Photo-ionization detector or organic vapor meter reading in parts per million (ppm)

fbg = Feet below grade

Blow Counts = Number of blows required to drive a California-modified split-spoon sampler using a 140-pound hammer falling freely 30 inches, recorded per 6-inch interval of a total 18-inch sample interval

(10YR 4/4) = Soil color according to Munsell Soil Color Charts

msl = Mean sea level

Soils logged according to the USCS.

UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) SUMMARY

Major Divisions			Graphic	Group Symbol	Typical Description
Coarse-Grained Soils (>50% Sands and/or Gravels)	Gravel and Gravelly Soils	Clean Gravels (≤5% fines)		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
				GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
		Gravels with Fines (≥15% fines)		GM	Silty gravels, gravel-sand-silt mixtures
				GC	Clayey gravels, gravel-sand-clay mixtures
	Sand and Sandy Soils	Clean Sands (≤5% fines)		SW	Well-graded sands, gravelly sands, little or no fines
				SP	Poorly-graded sands, gravelly sand, little or no fines
		Sands with Fines (≥15% fines)		SM	Silty sands, sand-silt mixtures
				SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils (>50% Silts and/or Clays)	Silts and Clays			ML	Inorganic silts, very fine sands, silty or clayey fine sands, clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays			MH	Inorganic silts, micaceous or diatomaceous fine sand or silty soils
				CH	Inorganic clays of high plasticity
				OH	Organic clays of medium to high plasticity, organic silts
Highly Organic Soils				PT	Peat, humus, swamp soils with high organic contents

M:\Templates & Forms\Boring Logs\Boring Log Legend

CAMBRIA

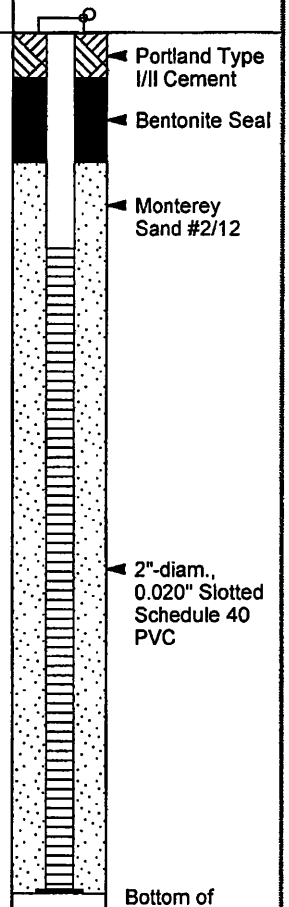
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-12
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	28-Feb-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	28-Feb-06
PROJECT NUMBER	247-0781-010	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	31.60 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	31.16 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	5 to 20 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	14.0 fbg (28-Feb-06) ▽
REVIEWED BY	A. Friel, PG	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand Augered to 5 feet below grade.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (fbg)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
				ML	**SILT with Sand**(ML); black 10YR 2/1; moist; 10% clay, 75% silt, 15% very fine sand; moderate plasticity.	
					SILT (ML); black 10YR 2/1; moist; 40% clay, 60% silt; high plasticity.	2.5
0		MW-12 -5	5		**SILT** (ML); dark grayish brown 10YR 4/2; moist; 30% clay, 60% silt, 10% very fine sand; moderate plasticity.	5.0
				GM	**Silty GRAVEL with thin roots** (GM); very dark grayish brown 10YR 3/2; wet; 40% silt, 10% fine sand, 50% fine angular gravel.	6.0
				ML	**SILT with sand**(ML); brown 10YR 4/3 with green mottling; moist; 15% clay, 70% silt, 15% fine to medium sand; high plasticity.	6.8
0		MW-12 -10	10			
					Sandy SILT(ML); yellowish brown 10YR 5/4; moist; 15% clay, 50% silt, 30% fine sand, 5% fine rounded gravel; low plasticity.	12.0
				GM	**Silty GRAVEL with sand** (GM); dark yellowish brown 10YR 4/4; wet; 20% silt, 30% coarse sand; 50% coarse angular gravel. ▽	13.0
0		MW-12 -15	15		**SILT with sand**(ML); yellowish brown 10YR 5/4 with green mottling; moist; 15% clay, 70% silt, 15% medium sand; moderate plasticity.	15.0
				ML		
0		MW-12 -19.5	20			20.0

WELL DIAGRAM



WELL LOG (PID) G:\OAA292~1\FIGURES\GINT\OAKL2703.GPJ DEFAULT.GDT 5/23/06

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-14
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	28-Feb-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	28-Feb-06
PROJECT NUMBER	247-0781-010	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	28.33 ft above msl
DRILLING METHOD	Hand-auger	**TOP OF CASING ELEVATION**	28.09 ft above msl
BORING DIAMETER	4"	**SCREENED INTERVALS**	5 to 14.5 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	11.0 fbg (28-Feb-06) ▽
REVIEWED BY	A. Friel, PG	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							CONCRETE	0.2	Portland Type I/II Cement
							SILT (ML); black 10YR 2/1; moist; 25% clay, 75% silt; high plasticity.	2.0	Bentonite Seal
							SILT (ML); dark brown 10YR 3/3; dry; 40% clay, 60% silt; high plasticity.		
0		MW-14 -5		5	ML		**SILT with sand**(ML); dark yellowish brown 10YR 4/4; dry; 25% clay, 60% silt, 15% coarse sand; high plasticity.	5.0	
							SILT (ML); dark grayish brown 10YR 4/2; dry; 40% clay, 60% silt; high plasticity.	8.0	Monterey Sand #2/12
268		MW-14 -10		10			**SILT** (ML); greenish gray GLEY1 5/5GY; moist; 15% clay, 85% silt; moderate plasticity.	9.5	1"-diam., 0.020" Slotted Schedule 40 PVC
							▽ **SILT with Gravel**(ML); greenish gray GLEY1 5/5GY; wet; 15% clay, 60% silt, 15% fine gravel; moderate plasticity.	11.0	
								13.0	
1000+		MW-14 -14			GM		**Silty GRAVEL** (GM); dark greenish gray GLEY1 4/10GY; wet; 40% silt, 10% fine sand; 50% fine and coarse gravel.	14.5	Bottom of Boring @ 14.5 fbg

WELL LOG (PID) G:\OAA292~1\FIGURES\GINT\OAKL2703.GPJ DEFAULT.GDT 5/23/06

Appendix C

Disposal Documentation

MANLEY & SONS TRUCKING, INC.
SACRAMENTO, CA
DEMO
LOW BED / LOADERS
HAZARDOUS WASTE HAULING
AGGREGATES
SAND / GRAVEL
FILL DIRT
CA 0009430
(916) 381-6864

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

Disposal Confirmation

Request for Transportation Received: 04/12/2006

Consultant Information

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

Site Information

PO #	
Street Address:	2703 Martin Luther King Jr. Way
City, State, ZIP:	Oakland, Ca
Customer:	Shell Oil Company RESA-0023-LDC
RIPR #:	51633
SAP # / Location:	NA
Incident #:	97093397
Location / WIC #:	NA
Environmental Engineer:	Denis Brown
Material Description:	Soil
Estimated Quantity:	~1 Cy
Service Requested Date:	April 13, 2006 at 10am or after 2 pm
Disposal Facility:	Forward Landfill
Contact:	Scott
Phone:	800 204-4242
Approval #:	6262
Date of Disposal:	04/13/2006
Actual Tonnage	0.35 tons
Transporter:	Manley & Sons Trucking, Inc.
Contact:	Jennifer Rogers
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	200604-12
Date of Invoice:	04/18/2006

KIFF Analytical LLC

Report Number : 48667
Date : 3/7/2006

Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Subject : 1 Soil Sample
Project Name : 2703 MARTIN LUTHER KING JR. WAY, OAKLAND
Project Number : 248-0781
P.O. Number : 97093397

Dear Ms. Friel,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48667
Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY, OAKLAND**
Project Number : **248-0781**

Sample : **SP-2** Matrix : Soil Lab Number : 48667-01
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48667

Date : 3/7/2006

QC Report : Method Blank Data

Project Name : **2703 MARTIN LUTHER KING JR. WAY, OAKLAND**

Project Number : **248-0781**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	98.1		%	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48667

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0781**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48662-05	<0.0050	0.0390	0.0391	0.0379	0.0376	mg/Kg	EPA 8260B	3/2/06	97.1	96.1	1.11	70-130	25
Toluene	48662-05	<0.0050	0.0390	0.0391	0.0379	0.0377	mg/Kg	EPA 8260B	3/2/06	97.2	96.4	0.843	70-130	25
Methyl-t-Butyl Ether	48662-05	<0.0050	0.0390	0.0391	0.0359	0.0357	mg/Kg	EPA 8260B	3/2/06	92.1	91.1	1.10	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48667

QC Report : Laboratory Control Sample (LCS)

Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0781**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0385	mg/Kg	EPA 8260B	3/2/06	98.7	70-130
Toluene	0.0385	mg/Kg	EPA 8260B	3/2/06	98.8	70-130
Methyl-t-Butyl Ether	0.0385	mg/Kg	EPA 8260B	3/2/06	92.8	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

48667

STL-San Francisco

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

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Denis Brown

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 7

SAP or CRMT NUMBER (TS/CRMT):

DATE: 2/28/06

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC

LOG CODE:

SITE ADDRESS (Street and City): 2703 Martin Luther King Jr. Way, Oakland

GLOBAL ID NO.: T0600108716

ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee): N/A

PHONE NO.: N/A

E-MAIL: N/A

CONSULTANT PROJECT NO.: 248-0781

PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel

SAMPLER NAME(S) (Print): Bill DeBoer

LAB USE ONLY

TELEPHONE: 707 268 3812

FAX: 707 268 8180

E-MAIL: AFriel@cambria-env.com

TURNAROUND TIME (BUSINESS DAYS):

☑ 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 ☑

PLEASE CC RESULTS TO
BDEBOER@CAMBRIA-ENV.COM
PLEASE MAKE SEPERATE REPORT

Hour Meter =

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	SP-2A	1400	2/28	S	1															X						composite 4:1
	SP-2B	1410	2/28	S	1															X						
	SP-2C	1400	2/28	S	1															X						
	SP-2D	1400	2/28	S	1															X						

01

TEMPERATURE ON RECEIPT C°

Sample Receipt
Temp °C 1.6 Therm. ID# IR-1
Initial [illegible] Date 030106
Time 1050 Coolant present Y / N

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	[signature] Kiff Analytical LLC	030106	1400

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Calscience
Environmental
Laboratories, Inc.

March 14, 2006

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 06-03-0176**
Client Reference: 2703 Martin Luther King Jr. Way, Oakland

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/3/2006 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/03/06
Work Order No: 06-03-0176
Preparation: EPA 3050B
Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-2	**06-03-0176-1**	**02/28/06**	**Solid**	**03/03/06**	**03/06/06**	**060303L04**

Parameter	Result	RL	DF	Qual	Units
Lead	26.7	0.5	1		mg/kg

Method Blank	**097-01-002-7,355**	**N/A**	**Solid**	**03/03/06**	**03/03/06**	**060303L04**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/03/06
Work Order No: 06-03-0176
Preparation: DHS LUFT
Method: DHS LUFT

Project: 2703 Martin Luther King Jr. Way, Oakland

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-2	**06-03-0176-1**	**02/28/06**	**Solid**	**03/07/06**	**03/08/06**	**060307L07**

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

Method Blank	**099-10-020-521**	**N/A**	**Solid**	**03/07/06**	**03/08/06**	**060307L07**

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

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/03/06
Work Order No: 06-03-0176
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-03-0193-5	**Solid**	**ICP 3300**	**03/03/06**	**03/06/06**	**060303S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	102	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/03/06
Work Order No: 06-03-0176
Preparation: DHS LUFT
Method: DHS LUFT

Project 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-02-1211-2	**Solid**	**FLAA**	**03/07/06**	**03/08/06**	**060307S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	97	98	22-148	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-03-0176
Davis, CA 95616-6593		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-7,355	**Solid**	**ICP 3300**	**03/03/06**	**060303L04**	**060303L04**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	25.0	25.4	102	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-03-0176
Davis, CA 95616-6593		Preparation:	DHS LUFT
		Method:	DHS LUFT

Project: 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-521	**Solid**	**FLAA**	**03/08/06**	**NONE**	**060307L07**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	26.8	107	72-126	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-03-0176

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

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. 0176

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? ___ Yes _X_No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

EDF Deliverable to (Email Address):

Phone No.: | FAX No.:

Project Number: 248-0781 | P.O. No.: 48667

Project Name: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND

E-mail address: inbox@kiffanalytical.com

Project Address:

Sample Designation	Sampling		Container					Preservative					Matrix			Analysis Request								Date due:	For Lab Use Only
	Date	Time	Glass Jar	Poly	Amber			HCl	HNO3	ICE	NONE	Na2S2O3	WATER	SOIL		Total Lead *								March 8, 2006	
SP-2	02/28/06	1400	1							X				X		X								X	

Relinquished by:	Date	Time	Received by:
Erin Tu - Kiff Analytical	030206	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/3/06	0830	CEL

Remarks: * This is a Shell project.STLC on TTLC Lead 10x STLC Maximum;TTLC Lead=> 13 mg/Kg requires Organic Pb analyses; if TTLC Total Pb is > or = 20 times TCLP Reg levels,TCLP is required.

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 03 - 0176

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: Kiffr **DATE:** 3/3/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.3 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Applicable (N/A): _____

Initial: [illegible]

SAMPLE CONDITION:

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

Initial: [illegible]

COMMENTS:

48667

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE

VENDOR: ALLIED-BFI

LOCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

CALIFORNIA - TRANSPORTATION AND RETAIL

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

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

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 — GASOLINE

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

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

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

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

KIFF Analytical LLC

Report Number : 48668
Date : 3/7/2006

Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Subject : 1 Soil Sample
Project Name : 2703 MARTIN LUTHER KING JR. WAY, OAKLAND
Project Number : 245-0781
P.O. Number : 97093397

Dear Ms. Friel,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48668
Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY, OAKLAND**
Project Number : **245-0781**

Sample : **SP-1** Matrix : Soil Lab Number : 48668-01
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48668

Date : 3/7/2006

QC Report : Method Blank Data

Project Name : **2703 MARTIN LUTHER KING JR. WAY, OAKLAND**

Project Number : **245-0781**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	98.1		%	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48668

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **245-0781**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48662-05	<0.0050	0.0390	0.0391	0.0379	0.0376	mg/Kg	EPA 8260B	3/2/06	97.1	96.1	1.11	70-130	25
Toluene	48662-05	<0.0050	0.0390	0.0391	0.0379	0.0377	mg/Kg	EPA 8260B	3/2/06	97.2	96.4	0.843	70-130	25
Methyl-t-Butyl Ether	48662-05	<0.0050	0.0390	0.0391	0.0359	0.0357	mg/Kg	EPA 8260B	3/2/06	92.1	91.1	1.10	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48668

QC Report : Laboratory Control Sample (LCS)

Date : 3/7/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **245-0781**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0385	mg/Kg	EPA 8260B	3/2/06	98.7	70-130
Toluene	0.0385	mg/Kg	EPA 8260B	3/2/06	98.8	70-130
Methyl-t-Butyl Ether	0.0385	mg/Kg	EPA 8260B	3/2/06	92.8	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Calscience
Environmental
Laboratories, Inc.

March 08, 2006

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 06-03-0175**
Client Reference: 2703 Martin Luther King Jr. Way, Oakland

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/3/2006 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter for

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical	Date Received: 03/03/06
2795 2nd Street, Suite 300	Work Order No: 06-03-0175
Davis, CA 95616-6593	Preparation: EPA 3050B
	Method: EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1	**06-03-0175-1**	**02/28/06**	**Solid**	**03/03/06**	**03/06/06**	**060303L04**

Parameter	Result	RL	DF	Qual	Units
Lead	5.64	0.50	1		mg/kg

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-002-7,355**	**N/A**	**Solid**	**03/03/06**	**03/03/06**	**060303L04**

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/03/06
Work Order No: 06-03-0175
Preparation: EPA 3050B
Method: EPA 6010B

Project 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-03-0193-5	**Solid**	**ICP 3300**	**03/03/06**	**03/06/06**	**060303S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	102	75-125	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	06-03-0175
Davis, CA 95616-6593		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: 2703 Martin Luther King Jr. Way, Oakland

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-7,355	**Solid**	**ICP 3300**	**03/03/06**	**060303L04**	**060303L04**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	25.0	25.4	102	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-03-0175

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

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. 0175

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Troy Turpen

EDF Report? ___ Yes _X_No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

Project Number: 245-0781 P.O. No.: 48668

EDF Deliverable to (Email Address):

Project Name: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND

E-mail address: inbox@kiffanalytical.com

Project Address:

Analysis Request

Date due: March 8, 2006

For Lab Use Only

Sample Designation	Sampling Date	Sampling Time	Container: Glass Jar	Container: Poly	Container: Amber	Container:	Container:	Preservative: HCl	Preservative: HNO3	Preservative: ICE	Preservative: NONE	Preservative: Na2S2O3	Matrix: WATER	Matrix: SOIL	Matrix:	Total Lead *								For Lab Use Only
SP-1	02/28/06	1400	1							X				X		X								X	

Relinquished by:	Date	Time	Received by:
[signature] Kiff Analytical	03/2/06	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/3/06	0830	[signature] CEL

Remarks: * This is a Shell project.STLC on TTLC Lead 10x STLC Maximum;TTLC Lead=> 13 mg/Kg requires Organic Pb analyses; if TTLC Total Pb is > or = 20 times TCLP Reg levels,TCLP is required.

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 03 - 0175

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: Kiffs **DATE:** 3/3/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.3 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: ___

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Applicable (N/A): _____

Initial: ___

SAMPLE CONDITION:

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

Initial: ___

COMMENTS:

48668

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Denis Brown

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 7

SAP or CRMT NUMBER (TS/CRMT):

DATE: 2/28/06

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC

LOG CODE:

SITE ADDRESS (Street and City): 2703 Martin Luther King Jr. Way, Oakland

GLOBAL ID NO.: T0600101876

ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee): N/A

PHONE NO.: N/A

E-MAIL: N/A

CONSULTANT PROJECT NO.: 248-0781

PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel

SAMPLER NAME(S) (Print): Bre DeBoer

LAB USE ONLY

TELEPHONE: 707 268 3812

FAX: 707 268 8180

E-MAIL: Afriel@cambria-env.com

TURNAROUND TIME (BUSINESS DAYS): ☑ 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 ☑

Please cc results to
BDeBoer@cambria-env.com
Report as separate report.

Hour Meter =

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
✓	SP-1A	2/28	1400	S	1															X						Composite 4→1 (01)
✓	SP-1B	2/28	1400	S	1															X						
✓	SP-1C	2/28	1400	S	1															X						
✓	SP-1D	2/28	1400	S	1															X						

TEMPERATURE ON RECEIPT C°

Sample Receipt
Temp °C 1.2 Therm. ID# TR-6
Initial [illegible] Date 030106
Time 1650 Coolant present: (Y) / N

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Thomas Ahern Kiff Analytical	030106	1400

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

48668

RESIDUAL MANAGEMENT PROCEDURE

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

:ESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE

'ENDOR: ALLIED-BFI

OCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

:ALIFORNIA - TRANSPORTATION AND RETAIL

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

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

'OTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 — GASOLINE

~~4TBE METHOD 8260B (GC/MS)~~

\QUATIC BIOASSAY (FISH TOX) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPH. AQUATIC
3IOASSAY (FISH TOX) = PART 800 OF STANDARD METHODS FOR THE EXAMINATION OF WATER AND
VASTEWATER (15TH EDITION)

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

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

Appendix D

Monitoring Well Survey Data

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

April 21, 2006
Project No.: 1233-18E

Bill DeBoer
Cambria Environmental
5900 Hollis Street, Suite A
Emeryville, CA 94608

APR 24 2006

Subject: Monitoring Well Survey
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Dear Bill:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on April 19, 2006. The benchmark for this survey was a City of Oakland benchmark being a cut square in the top of curb in the return at the northeast corner of Martin Luther King Jr. Way, and 28th Street. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 31.90 feet (NGVD 29).

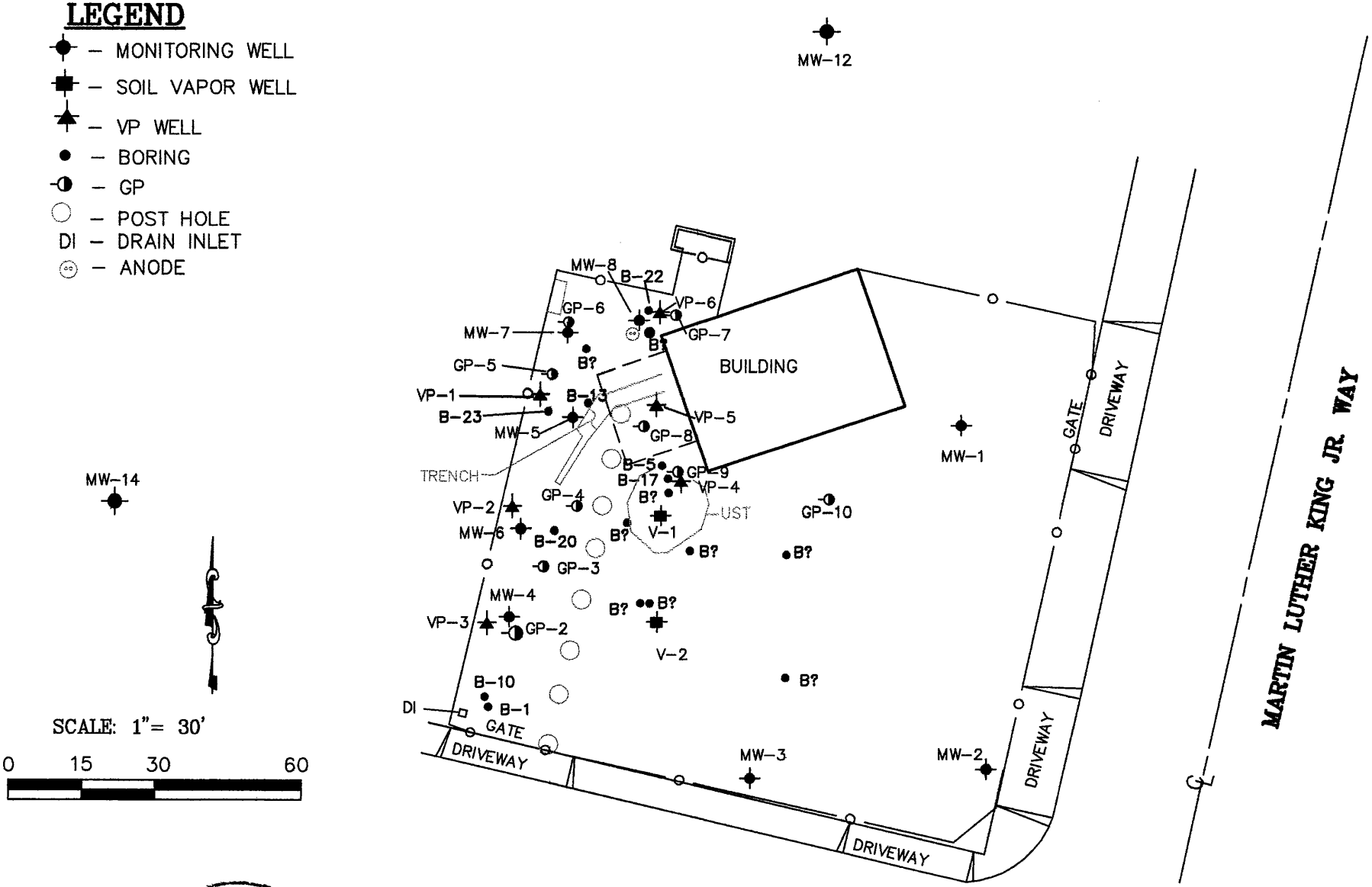
Latitude	Longitude	Northing	Easting	Elev.	Desc.
				31.60	RIM MW-12
37.8176847	-122.2718462	2125044.28	6049889.99	31.16	TOC MW-12
				28.33	RIM MW-14
37.8174118	-122.2723440	2124947.67	6049744.36	28.09	TOC MW-14

Sincerely,

Virgil D. Chavez, PLS 6323

LEGEND

- ✦ – MONITORING WELL
- ■ – SOIL VAPOR WELL
- ▲ – VP WELL
- ● – BORING
- ◑ – GP
- ○ – POST HOLE
- DI – DRAIN INLET
- ⊙ – ANODE



SCALE: 1"= 30'

0 15 30 60

LICENSED LAND SURVEYOR
VIRGIL G. CHAVEZ
No. 6323
Exp. 12-31-06
STATE OF CALIFORNIA

SITE MAP
2703 MARTIN LUTHER KING JR. WAY
OAKLAND, CA

VIRGIL CHAVEZ LAND SURVEYING
721 TUOLUMNE STREET
VALLEJO, CALIFORNIA
(707) 553-2476

DRAWING NO. 123318

APRIL, 2006 SCALE: 1"= 30' SHEET 1 OF 1

Appendix E

Certified Analytical Reports

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

May 01, 2006

Client: Cambria Env. Tech. (Sonoma) / SHELL (13674)
270 Perkins Street
Sonoma, CA 95476
Attn: Ana Friel

Work Order: NPD2685
Project Name: 2703 Martin Luther King Jr. Way, Oakland, CA
Project Nbr: SAP 129449
P/O Nbr: 97093397
Date Received: 04/21/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Floor Drain-1	NPD2685-01	04/19/06 12:00
Floor Drain-1	NPD2685-02	04/19/06 12:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

California Certification Number: 01168CA

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

Report Approved By:

Jim Hatfield
Project Management

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPD2685-01 (Floor Drain-1 - Water) Sampled: 04/19/06 12:00								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	04/30/06 08:35	SW846 8260B	6045568
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	04/26/06 21:53	SW846 8260B	6045096
Benzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	04/26/06 21:53	SW846 8260B	6045096
Bromobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Diisopropyl Ether	ND		ug/L	0.500	1	04/26/06 21:53	SW846 8260B	6045096
Bromochloromethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	04/26/06 21:53	SW846 8260B	6045096
Bromodichloromethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	04/26/06 21:53	SW846 8260B	6045096
Bromoform	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Bromomethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
2-Butanone	ND		ug/L	50.0	1	04/30/06 08:35	SW846 8260B	6045568
sec-Butylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
n-Butylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
tert-Butylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Carbon disulfide	**3.69**		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Carbon Tetrachloride	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Chlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Chlorodibromomethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Chloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Chloroform	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Chloromethane	ND		ug/L	1.00	1	04/30/06 08:35	SW846 8260B	6045568
4-Chlorotoluene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
2-Chlorotoluene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	1	04/30/06 08:35	SW846 8260B	6045568
1,2-Dibromoethane (EDB)	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Dibromomethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,4-Dichlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,3-Dichlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2-Dichlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Dichlorodifluoromethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2-Dichloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1-Dichloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
cis-1,2-Dichloroethene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1-Dichloroethene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
trans-1,2-Dichloroethene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
2,2-Dichloropropane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,3-Dichloropropane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2-Dichloropropane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
trans-1,3-Dichloropropene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
cis-1,3-Dichloropropene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1-Dichloropropene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

ANALYTICAL REPORT

Sample ID: NPD2685-01 (Floor Drain-1 - Water) - cont. Sampled: 04/19/06 12:00

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Ethylbenzene	**0.610**		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Hexachlorobutadiene	ND		ug/L	1.00	1	04/30/06 08:35	SW846 8260B	6045568
2-Hexanone	ND		ug/L	10.0	1	04/30/06 08:35	SW846 8260B	6045568
Isopropylbenzene	ND		ug/L	1.00	1	04/30/06 08:35	SW846 8260B	6045568
Methylene Chloride	ND		ug/L	5.00	1	04/30/06 08:35	SW846 8260B	6045568
4-Methyl-2-pentanone	ND		ug/L	10.0	1	04/30/06 08:35	SW846 8260B	6045568
Styrene	ND		ug/L	1.00	1	04/30/06 08:35	SW846 8260B	6045568
1,1,1,2-Tetrachloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1,2,2-Tetrachloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Tetrachloroethene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Toluene	**0.770**		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2,4-Trichlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2,3-Trichlorobenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1,2-Trichloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,1,1-Trichloroethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Trichloroethene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Trichlorofluoromethane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2,3-Trichloropropane	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,3,5-Trimethylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Vinyl chloride	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Xylenes, total	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
1,2,4-Trimethylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Naphthalene	ND		ug/L	5.00	1	04/30/06 08:35	SW846 8260B	6045568
p-Isopropyltoluene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
n-Propylbenzene	ND		ug/L	0.500	1	04/30/06 08:35	SW846 8260B	6045568
Surr: 1,2-Dichloroethane-d4 (70-130%)	*97 %*					*04/26/06 21:53*	*SW846 8260B*	*6045096*
Surr: 1,2-Dichloroethane-d4 (70-130%)	*100 %*					*04/30/06 08:35*	*SW846 8260B*	*6045568*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*04/30/06 08:35*	*SW846 8260B*	*6045568*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*04/26/06 21:53*	*SW846 8260B*	*6045096*
Surr: Toluene-d8 (78-121%)	*104 %*					*04/26/06 21:53*	*SW846 8260B*	*6045096*
Surr: Toluene-d8 (78-121%)	*102 %*					*04/30/06 08:35*	*SW846 8260B*	*6045568*
Surr: 4-Bromofluorobenzene (78-126%)	*104 %*					*04/26/06 21:53*	*SW846 8260B*	*6045096*
Surr: 4-Bromofluorobenzene (78-126%)	*96 %*					*04/30/06 08:35*	*SW846 8260B*	*6045568*

Purgeable Petroleum Hydrocarbons

Gasoline Range Organics	ND		ug/L	50.0	1	04/26/06 21:53	CA LUFT GC/MS	6045096

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPD2685-02 (Floor Drain-1 - Water) Sampled: 04/19/06 12:00								
Semivolatile Organic Compounds by EPA Method 8270C								
Acenaphthene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Acenaphthylene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Anthracene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Benzo (a) anthracene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Benzo (a) pyrene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Benzo (b) fluoranthene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Benzo (g,h,i) perylene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Benzo (k) fluoranthene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4-Bromophenyl phenyl ether	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Butyl benzyl phthalate	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Carbazole	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4-Chloro-3-methylphenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4-Chloroaniline	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Bis(2-chloroethoxy)methane	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Bis(2-chloroethyl)ether	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Bis(2-chloroisopropyl)ether	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2-Chloronaphthalene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2-Chlorophenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4-Chlorophenyl phenyl ether	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Chrysene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Dibenz (a,h) anthracene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Dibenzofuran	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Di-n-butyl phthalate	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
1,4-Dichlorobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
1,2-Dichlorobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
1,3-Dichlorobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
3,3'-Dichlorobenzidine	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2,4-Dichlorophenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Diethyl phthalate	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2,4-Dimethylphenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Dimethyl phthalate	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4,6-Dinitro-2-methylphenol	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
2,4-Dinitrophenol	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
2,6-Dinitrotoluene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2,4-Dinitrotoluene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Di-n-octyl phthalate	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Bis(2-ethylhexyl)phthalate	**1170**		ug/L	222	5	04/23/06 18:35	SW846 8270C	6043965
Fluoranthene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Fluorene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Hexachlorobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Hexachlorobutadiene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Hexachlorocyclopentadiene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Hexachloroethane	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPD2685-02 (Floor Drain-1 - Water) - cont. Sampled: 04/19/06 12:00								
Semivolatile Organic Compounds by EPA Method 8270C - cont.								
Indeno (1,2,3-cd) pyrene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Isophorone	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2-Methylnaphthalene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2-Methylphenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Naphthalene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
3/4-Methylphenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
3-Nitroaniline	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
2-Nitroaniline	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
4-Nitroaniline	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
Nitrobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
4-Nitrophenol	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
2-Nitrophenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
N-Nitrosodiphenylamine	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
N-Nitrosodi-n-propylamine	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Pentachlorophenol	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
Phenanthrene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Phenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
Pyrene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
1,2,4-Trichlorobenzene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
1-Methylnaphthalene	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2,4,6-Trichlorophenol	ND		ug/L	44.4	1	04/23/06 17:33	SW846 8270C	6043965
2,4,5-Trichlorophenol	ND		ug/L	111	1	04/23/06 17:33	SW846 8270C	6043965
Surr: Terphenyl-d14 (31-111%)	*61 %*					*04/23/06 17:33*	*SW846 8270C*	*6043965*
Surr: 2,4,6-Tribromophenol (32-118%)	*5 %*	*ZX*				*04/23/06 17:33*	*SW846 8270C*	*6043965*
Surr: Phenol-d5 (10-48%)	*4 %*	*ZX*				*04/23/06 17:33*	*SW846 8270C*	*6043965*
Surr: 2-Fluorobiphenyl (33-101%)	*64 %*					*04/23/06 17:33*	*SW846 8270C*	*6043965*
Surr: 2-Fluorophenol (10-64%)	*3 %*	*ZX*				*04/23/06 17:33*	*SW846 8270C*	*6043965*
Surr: Nitrobenzene-d5 (31-112%)	*65 %*					*04/23/06 17:33*	*SW846 8270C*	*6043965*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Semivolatile Organic Compounds by EPA Method 8270C							
SW846 8270C	6043965	NPD2685-02	225.00	1.00	04/22/06 11:40	DAP	EPA 3510C
SW846 8270C	6043965	NPD2685-02RE1	225.00	1.00	04/22/06 11:40	DAP	EPA 3510C

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6045096-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Ethyl tert-Butyl Ether	<0.200		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Diisopropyl Ether	<0.200		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Methyl tert-Butyl Ether	<0.200		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Tertiary Butyl Alcohol	<5.06		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Surrogate: 1,2-Dichloroethane-d4	96%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: Dibromofluoromethane	104%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: Toluene-d8	105%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: 4-Bromofluorobenzene	104%			6045096	6045096-BLK1	04/26/06 21:09
6045568-BLK1						
Acetone	<1.28		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Benzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Bromobenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Bromochloromethane	<0.310		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Bromodichloromethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Bromoform	<0.290		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Bromomethane	<0.310		ug/L	6045568	6045568-BLK1	04/30/06 08:10
2-Butanone	<3.17		ug/L	6045568	6045568-BLK1	04/30/06 08:10
sec-Butylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
n-Butylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
tert-Butylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Carbon disulfide	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Carbon Tetrachloride	<0.220		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Chlorobenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Chlorodibromomethane	<0.290		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Chloroethane	<0.250		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Chloroform	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Chloromethane	<0.220		ug/L	6045568	6045568-BLK1	04/30/06 08:10
4-Chlorotoluene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
2-Chlorotoluene	<0.190		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2-Dibromo-3-chloropropane	<0.730		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2-Dibromoethane (EDB)	<0.250		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Dibromomethane	<0.380		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,4-Dichlorobenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,3-Dichlorobenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2-Dichlorobenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Dichlorodifluoromethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2-Dichloroethane	<0.390		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1-Dichloroethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
cis-1,2-Dichloroethene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1-Dichloroethene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6045568-BLK1						
trans-1,2-Dichloroethene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
2,2-Dichloropropane	<0.230		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,3-Dichloropropane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2-Dichloropropane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
trans-1,3-Dichloropropene	<0.230		ug/L	6045568	6045568-BLK1	04/30/06 08:10
cis-1,3-Dichloropropene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1-Dichloropropene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Ethylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Hexachlorobutadiene	<0.400		ug/L	6045568	6045568-BLK1	04/30/06 08:10
2-Hexanone	<1.81		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Isopropylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Diisopropyl Ether	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Methyl tert-Butyl Ether	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Methylene Chloride	<0.440		ug/L	6045568	6045568-BLK1	04/30/06 08:10
4-Methyl-2-pentanone	<1.12		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Styrene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1,1,2-Tetrachloroethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1,2,2-Tetrachloroethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Tetrachloroethene	<0.250		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Toluene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2,4-Trichlorobenzene	<0.320		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2,3-Trichlorobenzene	<0.290		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1,2-Trichloroethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,1,1-Trichloroethane	<0.220		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Trichloroethene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Trichlorofluoromethane	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2,3-Trichloropropane	<0.310		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,3,5-Trimethylbenzene	<0.220		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Vinyl chloride	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Xylenes, total	<0.350		ug/L	6045568	6045568-BLK1	04/30/06 08:10
1,2,4-Trimethylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Naphthalene	<0.500		ug/L	6045568	6045568-BLK1	04/30/06 08:10
p-Isopropyltoluene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
n-Propylbenzene	<0.200		ug/L	6045568	6045568-BLK1	04/30/06 08:10
Surrogate: 1,2-Dichloroethane-d4	99%			6045568	6045568-BLK1	04/30/06 08:10
Surrogate: Dibromofluoromethane	105%			6045568	6045568-BLK1	04/30/06 08:10
Surrogate: Toluene-d8	98%			6045568	6045568-BLK1	04/30/06 08:10
Surrogate: 4-Bromofluorobenzene	96%			6045568	6045568-BLK1	04/30/06 08:10
Semivolatile Organic Compounds by EPA Method 8270C						
6043965-BLK1						

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6043965-BLK1						
Acenaphthene	<1.60		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Acenaphthylene	<1.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Anthracene	<0.900		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Benzo (a) anthracene	<1.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Benzo (a) pyrene	<0.900		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Benzo (b) fluoranthene	<1.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Benzo (g,h,i) perylene	<0.800		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Benzo (k) fluoranthene	<1.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Bromophenyl phenyl ether	<2.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Butyl benzyl phthalate	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Carbazole	<2.60		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Chloro-3-methylphenol	<2.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Chloroaniline	<2.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Bis(2-chloroethoxy)methane	<3.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Bis(2-chloroethyl)ether	<3.30		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Bis(2-chloroisopropyl)ether	<3.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Chloronaphthalene	<1.30		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Chlorophenol	<2.90		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Chlorophenyl phenyl ether	<2.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Chrysene	<1.00		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Dibenz (a,h) anthracene	<1.00		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Dibenzofuran	<2.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Di-n-butyl phthalate	<2.60		ug/L	6043965	6043965-BLK1	04/23/06 12:09
1,4-Dichlorobenzene	<2.90		ug/L	6043965	6043965-BLK1	04/23/06 12:09
1,2-Dichlorobenzene	<3.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
1,3-Dichlorobenzene	<3.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
3,3'-Dichlorobenzidine	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4-Dichlorophenol	<3.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Diethyl phthalate	<2.60		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4-Dimethylphenol	<5.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Dimethyl phthalate	<2.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4,6-Dinitro-2-methylphenol	<3.30		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4-Dinitrophenol	<2.90		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,6-Dinitrotoluene	<2.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4-Dinitrotoluene	<2.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Di-n-octyl phthalate	<2.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Bis(2-ethylhexyl)phthalate	<3.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Fluoranthene	<1.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Fluorene	<1.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Hexachlorobenzene	<2.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Hexachlorobutadiene	<3.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Hexachlorocyclopentadiene	<2.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C						
6043965-BLK1						
Hexachloroethane	<2.90		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Indeno (1,2,3-cd) pyrene	<1.00		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Isophorone	<2.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Methylnaphthalene	<1.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Methylphenol	<2.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Naphthalene	<1.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
3/4-Methylphenol	<3.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
3-Nitroaniline	<2.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Nitroaniline	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Nitroaniline	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Nitrobenzene	<3.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
4-Nitrophenol	<4.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2-Nitrophenol	<2.50		ug/L	6043965	6043965-BLK1	04/23/06 12:09
N-Nitrosodiphenylamine	<3.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
N-Nitrosodi-n-propylamine	<3.00		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Pentachlorophenol	<3.00		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Phenanthrene	<1.20		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Phenol	<1.80		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Pyrene	<1.10		ug/L	6043965	6043965-BLK1	04/23/06 12:09
1,2,4-Trichlorobenzene	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
1-Methylnaphthalene	<1.40		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4,6-Trichlorophenol	<2.90		ug/L	6043965	6043965-BLK1	04/23/06 12:09
2,4,5-Trichlorophenol	<2.70		ug/L	6043965	6043965-BLK1	04/23/06 12:09
Surrogate: Terphenyl-d14	95%			6043965	6043965-BLK1	04/23/06 12:09
Surrogate: 2,4,6-Tribromophenol	102%			6043965	6043965-BLK1	04/23/06 12:09
Surrogate: Phenol-d5	26%			6043965	6043965-BLK1	04/23/06 12:09
Surrogate: 2-Fluorobiphenyl	81%			6043965	6043965-BLK1	04/23/06 12:09
Surrogate: 2-Fluorophenol	41%			6043965	6043965-BLK1	04/23/06 12:09
Surrogate: Nitrobenzene-d5	82%			6043965	6043965-BLK1	04/23/06 12:09
Purgeable Petroleum Hydrocarbons						
6045096-BLK1						
Gasoline Range Organics	<50.0		ug/L	6045096	6045096-BLK1	04/26/06 21:09
Surrogate: 1,2-Dichloroethane-d4	96%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: Dibromofluoromethane	104%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: Toluene-d8	105%			6045096	6045096-BLK1	04/26/06 21:09
Surrogate: 4-Bromofluorobenzene	104%			6045096	6045096-BLK1	04/26/06 21:09

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6045096-BS1								
Tert-Amyl Methyl Ether	50.0	44.6		ug/L	89%	56 - 145	6045096	04/26/06 20:02
Ethyl tert-Butyl Ether	50.0	45.1		ug/L	90%	64 - 141	6045096	04/26/06 20:02
Diisopropyl Ether	50.0	49.6		ug/L	99%	73 - 135	6045096	04/26/06 20:02
Methyl tert-Butyl Ether	50.0	39.8		ug/L	80%	66 - 142	6045096	04/26/06 20:02
Tertiary Butyl Alcohol	500	362		ug/L	72%	42 - 154	6045096	04/26/06 20:02
Surrogate: 1,2-Dichloroethane-d4	50.0	48.9			98%	70 - 130	6045096	04/26/06 20:02
Surrogate: Dibromofluoromethane	50.0	49.7			99%	79 - 122	6045096	04/26/06 20:02
Surrogate: Toluene-d8	50.0	51.1			102%	78 - 121	6045096	04/26/06 20:02
Surrogate: 4-Bromofluorobenzene	50.0	52.3			105%	78 - 126	6045096	04/26/06 20:02
6045568-BS1								
Acetone	250	228		ug/L	91%	41 - 152	6045568	04/30/06 06:54
Benzene	50.0	51.2		ug/L	102%	79 - 123	6045568	04/30/06 06:54
Bromobenzene	50.0	50.6		ug/L	101%	74 - 124	6045568	04/30/06 06:54
Bromochloromethane	50.0	52.4		ug/L	105%	70 - 134	6045568	04/30/06 06:54
Bromodichloromethane	50.0	52.9		ug/L	106%	76 - 135	6045568	04/30/06 06:54
Bromoform	50.0	53.2		ug/L	106%	47 - 135	6045568	04/30/06 06:54
Bromomethane	50.0	35.5		ug/L	71%	53 - 162	6045568	04/30/06 06:54
2-Butanone	250	245		ug/L	98%	68 - 136	6045568	04/30/06 06:54
sec-Butylbenzene	50.0	48.5		ug/L	97%	76 - 128	6045568	04/30/06 06:54
n-Butylbenzene	50.0	43.5		ug/L	87%	70 - 134	6045568	04/30/06 06:54
tert-Butylbenzene	50.0	51.5		ug/L	103%	73 - 127	6045568	04/30/06 06:54
Carbon disulfide	50.0	52.4		ug/L	105%	71 - 138	6045568	04/30/06 06:54
Carbon Tetrachloride	50.0	60.8		ug/L	122%	71 - 136	6045568	04/30/06 06:54
Chlorobenzene	50.0	51.9		ug/L	104%	80 - 120	6045568	04/30/06 06:54
Chlorodibromomethane	50.0	60.9		ug/L	122%	68 - 126	6045568	04/30/06 06:54
Chloroethane	50.0	53.2		ug/L	106%	55 - 149	6045568	04/30/06 06:54
Chloroform	50.0	52.6		ug/L	105%	77 - 126	6045568	04/30/06 06:54
Chloromethane	50.0	56.4		ug/L	113%	39 - 151	6045568	04/30/06 06:54
4-Chlorotoluene	50.0	49.6		ug/L	99%	76 - 128	6045568	04/30/06 06:54
2-Chlorotoluene	50.0	49.6		ug/L	99%	73 - 130	6045568	04/30/06 06:54
1,2-Dibromo-3-chloropropane	50.0	59.1		ug/L	118%	56 - 130	6045568	04/30/06 06:54
1,2-Dibromoethane (EDB)	50.0	54.8		ug/L	110%	75 - 128	6045568	04/30/06 06:54
Dibromomethane	50.0	53.7		ug/L	107%	76 - 129	6045568	04/30/06 06:54
1,4-Dichlorobenzene	50.0	51.4		ug/L	103%	78 - 122	6045568	04/30/06 06:54
1,3-Dichlorobenzene	50.0	51.7		ug/L	103%	80 - 124	6045568	04/30/06 06:54
1,2-Dichlorobenzene	50.0	53.6		ug/L	107%	82 - 123	6045568	04/30/06 06:54
Dichlorodifluoromethane	50.0	53.0		ug/L	106%	28 - 161	6045568	04/30/06 06:54
1,2-Dichloroethane	50.0	52.1		ug/L	104%	74 - 131	6045568	04/30/06 06:54
1,1-Dichloroethane	50.0	50.9		ug/L	102%	72 - 131	6045568	04/30/06 06:54
cis-1,2-Dichloroethene	50.0	48.6		ug/L	97%	72 - 128	6045568	04/30/06 06:54
1,1-Dichloroethene	50.0	58.5		ug/L	117%	68 - 136	6045568	04/30/06 06:54

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6045568-BS1								
trans-1,2-Dichloroethene	50.0	50.8		ug/L	102%	73 - 131	6045568	04/30/06 06:54
2,2-Dichloropropane	50.0	35.0		ug/L	70%	43 - 147	6045568	04/30/06 06:54
1,3-Dichloropropane	50.0	50.8		ug/L	102%	80 - 121	6045568	04/30/06 06:54
1,2-Dichloropropane	50.0	47.3		ug/L	95%	76 - 128	6045568	04/30/06 06:54
trans-1,3-Dichloropropene	50.0	42.7		ug/L	85%	57 - 127	6045568	04/30/06 06:54
cis-1,3-Dichloropropene	50.0	43.2		ug/L	86%	61 - 134	6045568	04/30/06 06:54
1,1-Dichloropropene	50.0	58.9		ug/L	118%	75 - 129	6045568	04/30/06 06:54
Ethylbenzene	50.0	50.6		ug/L	101%	79 - 125	6045568	04/30/06 06:54
Hexachlorobutadiene	50.0	45.0		ug/L	90%	64 - 133	6045568	04/30/06 06:54
2-Hexanone	250	242		ug/L	97%	67 - 133	6045568	04/30/06 06:54
Isopropylbenzene	50.0	48.8		ug/L	98%	75 - 132	6045568	04/30/06 06:54
Diisopropyl Ether	50.0	46.3		ug/L	93%	73 - 135	6045568	04/30/06 06:54
Methyl tert-Butyl Ether	50.0	49.2		ug/L	98%	66 - 142	6045568	04/30/06 06:54
Methylene Chloride	50.0	55.3		ug/L	111%	74 - 137	6045568	04/30/06 06:54
4-Methyl-2-pentanone	250	247		ug/L	99%	73 - 133	6045568	04/30/06 06:54
Styrene	50.0	53.7		ug/L	107%	74 - 133	6045568	04/30/06 06:54
1,1,1,2-Tetrachloroethane	50.0	59.8		ug/L	120%	76 - 130	6045568	04/30/06 06:54
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L	101%	68 - 128	6045568	04/30/06 06:54
Tetrachloroethene	50.0	52.3		ug/L	105%	74 - 125	6045568	04/30/06 06:54
Toluene	50.0	50.8		ug/L	102%	78 - 122	6045568	04/30/06 06:54
1,2,4-Trichlorobenzene	50.0	47.3		ug/L	95%	65 - 135	6045568	04/30/06 06:54
1,2,3-Trichlorobenzene	50.0	44.4		ug/L	89%	67 - 139	6045568	04/30/06 06:54
1,1,2-Trichloroethane	50.0	50.7		ug/L	101%	84 - 120	6045568	04/30/06 06:54
1,1,1-Trichloroethane	50.0	57.6		ug/L	115%	74 - 134	6045568	04/30/06 06:54
Trichloroethene	50.0	58.7		ug/L	117%	73 - 136	6045568	04/30/06 06:54
Trichlorofluoromethane	50.0	55.6		ug/L	111%	60 - 138	6045568	04/30/06 06:54
1,2,3-Trichloropropane	50.0	43.1		ug/L	86%	66 - 131	6045568	04/30/06 06:54
1,3,5-Trimethylbenzene	50.0	50.6		ug/L	101%	77 - 128	6045568	04/30/06 06:54
Vinyl chloride	50.0	53.7		ug/L	107%	56 - 137	6045568	04/30/06 06:54
Xylenes, total	150	153		ug/L	102%	79 - 130	6045568	04/30/06 06:54
1,2,4-Trimethylbenzene	50.0	49.7		ug/L	99%	77 - 128	6045568	04/30/06 06:54
Naphthalene	50.0	45.2		ug/L	90%	66 - 142	6045568	04/30/06 06:54
p-Isopropyltoluene	50.0	46.2		ug/L	92%	76 - 130	6045568	04/30/06 06:54
n-Propylbenzene	50.0	48.2		ug/L	96%	75 - 129	6045568	04/30/06 06:54
Surrogate: 1,2-Dichloroethane-d4	50.0	49.4			99%	70 - 130	6045568	04/30/06 06:54
Surrogate: Dibromofluoromethane	50.0	51.5			103%	79 - 122	6045568	04/30/06 06:54
Surrogate: Toluene-d8	50.0	49.0			98%	78 - 121	6045568	04/30/06 06:54
Surrogate: 4-Bromofluorobenzene	50.0	47.4			95%	78 - 126	6045568	04/30/06 06:54
Semivolatile Organic Compounds by EPA Method 8270C								
6043965-BS1								

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C								
6043965-BS1								
Acenaphthene	50.0	42.6		ug/L	85%	46 - 108	6043965	04/23/06 12:31
Acenaphthylene	50.0	46.6		ug/L	93%	47 - 110	6043965	04/23/06 12:31
Anthracene	50.0	48.0		ug/L	96%	54 - 123	6043965	04/23/06 12:31
Benzo (a) anthracene	50.0	45.2		ug/L	90%	55 - 117	6043965	04/23/06 12:31
Benzo (a) pyrene	50.0	46.8		ug/L	94%	54 - 124	6043965	04/23/06 12:31
Benzo (b) fluoranthene	50.0	46.9		ug/L	94%	49 - 126	6043965	04/23/06 12:31
Benzo (g,h,i) perylene	50.0	41.9		ug/L	84%	42 - 131	6043965	04/23/06 12:31
Benzo (k) fluoranthene	50.0	45.9		ug/L	92%	51 - 128	6043965	04/23/06 12:31
4-Bromophenyl phenyl ether	50.0	39.1		ug/L	78%	46 - 103	6043965	04/23/06 12:31
Butyl benzyl phthalate	50.0	44.4		ug/L	89%	50 - 128	6043965	04/23/06 12:31
Carbazole	50.0	46.0		ug/L	92%	58 - 119	6043965	04/23/06 12:31
4-Chloro-3-methylphenol	50.0	42.7		ug/L	85%	28 - 99	6043965	04/23/06 12:31
4-Chloroaniline	50.0	42.6		ug/L	85%	36 - 108	6043965	04/23/06 12:31
Bis(2-chloroethoxy)methane	50.0	44.2		ug/L	88%	46 - 112	6043965	04/23/06 12:31
Bis(2-chloroethyl)ether	50.0	39.3		ug/L	79%	42 - 105	6043965	04/23/06 12:31
Bis(2-chloroisopropyl)ether	50.0	40.9		ug/L	82%	44 - 104	6043965	04/23/06 12:31
2-Chloronaphthalene	50.0	40.7		ug/L	81%	41 - 105	6043965	04/23/06 12:31
2-Chlorophenol	50.0	37.2		ug/L	74%	18 - 104	6043965	04/23/06 12:31
4-Chlorophenyl phenyl ether	50.0	43.8		ug/L	88%	48 - 108	6043965	04/23/06 12:31
Chrysene	50.0	44.5		ug/L	89%	54 - 118	6043965	04/23/06 12:31
Dibenz (a,h) anthracene	50.0	42.4		ug/L	85%	44 - 131	6043965	04/23/06 12:31
Dibenzofuran	50.0	45.1		ug/L	90%	49 - 111	6043965	04/23/06 12:31
Di-n-butyl phthalate	50.0	43.7		ug/L	87%	56 - 115	6043965	04/23/06 12:31
1,4-Dichlorobenzene	50.0	36.2		ug/L	72%	32 - 87	6043965	04/23/06 12:31
1,2-Dichlorobenzene	50.5	38.4		ug/L	76%	35 - 92	6043965	04/23/06 12:31
1,3-Dichlorobenzene	50.0	36.7		ug/L	73%	32 - 89	6043965	04/23/06 12:31
3,3'-Dichlorobenzidine	50.0	43.2		ug/L	86%	36 - 122	6043965	04/23/06 12:31
2,4-Dichlorophenol	50.0	44.5		ug/L	89%	23 - 112	6043965	04/23/06 12:31
Diethyl phthalate	50.0	44.7		ug/L	89%	54 - 110	6043965	04/23/06 12:31
2,4-Dimethylphenol	50.0	39.6		ug/L	79%	10 - 114	6043965	04/23/06 12:31
Dimethyl phthalate	50.0	45.1		ug/L	90%	54 - 111	6043965	04/23/06 12:31
4,6-Dinitro-2-methylphenol	50.0	40.8		ug/L	82%	32 - 118	6043965	04/23/06 12:31
2,4-Dinitrophenol	50.0	40.7		ug/L	81%	55 - 117	6043965	04/23/06 12:31
2,6-Dinitrotoluene	50.0	51.3		ug/L	103%	56 - 121	6043965	04/23/06 12:31
2,4-Dinitrotoluene	50.0	46.8		ug/L	94%	53 - 119	6043965	04/23/06 12:31
Di-n-octyl phthalate	50.0	44.1		ug/L	88%	26 - 138	6043965	04/23/06 12:31
Bis(2-ethylhexyl)phthalate	50.0	41.4		ug/L	83%	31 - 144	6043965	04/23/06 12:31
Fluoranthene	50.0	47.3		ug/L	95%	57 - 117	6043965	04/23/06 12:31
Fluorene	50.0	45.8		ug/L	92%	51 - 111	6043965	04/23/06 12:31
Hexachlorobenzene	50.0	43.6		ug/L	87%	50 - 124	6043965	04/23/06 12:31
Hexachlorobutadiene	50.0	42.0		ug/L	84%	31 - 102	6043965	04/23/06 12:31

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C								
6043965-BS1								
Hexachlorocyclopentadiene	50.0	27.2		ug/L	54%	10 - 102	6043965	04/23/06 12:31
Hexachloroethane	50.0	35.2		ug/L	70%	28 - 88	6043965	04/23/06 12:31
Indeno (1,2,3-cd) pyrene	50.0	42.6		ug/L	85%	44 - 132	6043965	04/23/06 12:31
Isophorone	50.0	43.2		ug/L	86%	44 - 107	6043965	04/23/06 12:31
2-Methylnaphthalene	50.0	44.3		ug/L	89%	34 - 110	6043965	04/23/06 12:31
2-Methylphenol	50.0	34.5		ug/L	69%	15 - 90	6043965	04/23/06 12:31
Naphthalene	50.0	40.7		ug/L	81%	38 - 95	6043965	04/23/06 12:31
3/4-Methylphenol	50.0	34.6		ug/L	69%	4 - 99	6043965	04/23/06 12:31
3-Nitroaniline	50.0	45.9		ug/L	92%	51 - 117	6043965	04/23/06 12:31
2-Nitroaniline	50.0	48.0		ug/L	96%	53 - 116	6043965	04/23/06 12:31
4-Nitroaniline	50.0	45.8		ug/L	92%	50 - 115	6043965	04/23/06 12:31
Nitrobenzene	50.0	41.3		ug/L	83%	44 - 104	6043965	04/23/06 12:31
4-Nitrophenol	50.0	20.9		ug/L	42%	1 - 79	6043965	04/23/06 12:31
2-Nitrophenol	50.0	44.0		ug/L	88%	25 - 114	6043965	04/23/06 12:31
N-Nitrosodiphenylamine	50.0	63.3	L	ug/L	127%	51 - 111	6043965	04/23/06 12:31
N-Nitrosodi-n-propylamine	50.0	43.6		ug/L	87%	45 - 104	6043965	04/23/06 12:31
Pentachlorophenol	50.0	54.0		ug/L	108%	32 - 133	6043965	04/23/06 12:31
Phenanthrene	50.0	43.3		ug/L	87%	55 - 113	6043965	04/23/06 12:31
Phenol	50.0	15.9		ug/L	32%	18 - 50	6043965	04/23/06 12:31
Pyrene	50.0	45.4		ug/L	91%	57 - 117	6043965	04/23/06 12:31
1,2,4-Trichlorobenzene	50.0	39.0		ug/L	78%	32 - 92	6043965	04/23/06 12:31
1-Methylnaphthalene	50.5	42.1		ug/L	83%	39 - 109	6043965	04/23/06 12:31
2,4,6-Trichlorophenol	50.0	45.4		ug/L	91%	36 - 115	6043965	04/23/06 12:31
2,4,5-Trichlorophenol	50.0	48.3		ug/L	97%	40 - 121	6043965	04/23/06 12:31
Surrogate: Terphenyl-d14	50.2	40.8			81%	31 - 111	6043965	04/23/06 12:31
Surrogate: 2,4,6-Tribromophenol	50.2	44.6			89%	32 - 118	6043965	04/23/06 12:31
Surrogate: Phenol-d5	50.2	13.6			27%	10 - 48	6043965	04/23/06 12:31
Surrogate: 2-Fluorobiphenyl	50.2	38.5			77%	33 - 101	6043965	04/23/06 12:31
Surrogate: 2-Fluorophenol	50.2	20.8			41%	10 - 64	6043965	04/23/06 12:31
Surrogate: Nitrobenzene-d5	50.2	38.9			77%	31 - 112	6043965	04/23/06 12:31
Purgeable Petroleum Hydrocarbons								
6045096-BS1								
Gasoline Range Organics	3050	2260		ug/L	74%	67 - 130	6045096	04/26/06 20:02
Surrogate: 1,2-Dichloroethane-d4	50.0	48.9			98%	70 - 130	6045096	04/26/06 20:02
Surrogate: Dibromofluoromethane	50.0	49.7			99%	70 - 130	6045096	04/26/06 20:02
Surrogate: Toluene-d8	50.0	51.1			102%	70 - 130	6045096	04/26/06 20:02
Surrogate: 4-Bromofluorobenzene	50.0	52.3			105%	70 - 130	6045096	04/26/06 20:02

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C												
6043965-BSD1												
Acenaphthene		44.2		ug/L	50.0	88%	46 - 108	4	41	6043965		04/23/06 12:52
Acenaphthylene		48.6		ug/L	50.0	97%	47 - 110	4	33	6043965		04/23/06 12:52
Anthracene		49.2		ug/L	50.0	98%	54 - 123	2	38	6043965		04/23/06 12:52
Benzo (a) anthracene		45.9		ug/L	50.0	92%	55 - 117	2	35	6043965		04/23/06 12:52
Benzo (a) pyrene		48.0		ug/L	50.0	96%	54 - 124	3	37	6043965		04/23/06 12:52
Benzo (b) fluoranthene		46.5		ug/L	50.0	93%	49 - 126	0.9	37	6043965		04/23/06 12:52
Benzo (g,h,i) perylene		43.7		ug/L	50.0	87%	42 - 131	4	36	6043965		04/23/06 12:52
Benzo (k) fluoranthene		48.7		ug/L	50.0	97%	51 - 128	6	40	6043965		04/23/06 12:52
4-Bromophenyl phenyl ether		38.3		ug/L	50.0	77%	46 - 103	2	35	6043965		04/23/06 12:52
Butyl benzyl phthalate		43.6		ug/L	50.0	87%	50 - 128	2	37	6043965		04/23/06 12:52
Carbazole		47.4		ug/L	50.0	95%	58 - 119	3	35	6043965		04/23/06 12:52
4-Chloro-3-methylphenol		43.2		ug/L	50.0	86%	28 - 99	1	38	6043965		04/23/06 12:52
4-Chloroaniline		42.1		ug/L	50.0	84%	36 - 108	1	39	6043965		04/23/06 12:52
Bis(2-chloroethoxy)methane		45.4		ug/L	50.0	91%	46 - 112	3	34	6043965		04/23/06 12:52
Bis(2-chloroethyl)ether		41.0		ug/L	50.0	82%	42 - 105	4	44	6043965		04/23/06 12:52
Bis(2-chloroisopropyl)ether		43.1		ug/L	50.0	86%	44 - 104	5	40	6043965		04/23/06 12:52
2-Chloronaphthalene		43.5		ug/L	50.0	87%	41 - 105	7	41	6043965		04/23/06 12:52
2-Chlorophenol		39.7		ug/L	50.0	79%	18 - 104	7	59	6043965		04/23/06 12:52
4-Chlorophenyl phenyl ether		44.3		ug/L	50.0	89%	48 - 108	1	34	6043965		04/23/06 12:52
Chrysene		45.3		ug/L	50.0	91%	54 - 118	2	35	6043965		04/23/06 12:52
Dibenz (a,h) anthracene		44.3		ug/L	50.0	89%	44 - 131	4	41	6043965		04/23/06 12:52
Dibenzofuran		47.1		ug/L	50.0	94%	49 - 111	4	36	6043965		04/23/06 12:52
Di-n-butyl phthalate		43.6		ug/L	50.0	87%	56 - 115	0.2	35	6043965		04/23/06 12:52
1,4-Dichlorobenzene		40.8		ug/L	50.0	82%	32 - 87	12	57	6043965		04/23/06 12:52
1,2-Dichlorobenzene		42.7		ug/L	50.5	85%	35 - 92	11	55	6043965		04/23/06 12:52
1,3-Dichlorobenzene		41.5		ug/L	50.0	83%	32 - 89	12	55	6043965		04/23/06 12:52
3,3'-Dichlorobenzidine		43.3		ug/L	50.0	87%	36 - 122	0.2	44	6043965		04/23/06 12:52
2,4-Dichlorophenol		46.7		ug/L	50.0	93%	23 - 112	5	57	6043965		04/23/06 12:52
Diethyl phthalate		45.6		ug/L	50.0	91%	54 - 110	2	38	6043965		04/23/06 12:52
2,4-Dimethylphenol		40.5		ug/L	50.0	81%	10 - 114	2	73	6043965		04/23/06 12:52
Dimethyl phthalate		46.4		ug/L	50.0	93%	54 - 111	3	36	6043965		04/23/06 12:52
4,6-Dinitro-2-methylphenol		38.3		ug/L	50.0	77%	32 - 118	6	59	6043965		04/23/06 12:52
2,4-Dinitrophenol		38.0		ug/L	50.0	76%	55 - 117	7	35	6043965		04/23/06 12:52
2,6-Dinitrotoluene		50.3		ug/L	50.0	101%	56 - 121	2	40	6043965		04/23/06 12:52
2,4-Dinitrotoluene		46.9		ug/L	50.0	94%	53 - 119	0.2	36	6043965		04/23/06 12:52
Di-n-octyl phthalate		42.7		ug/L	50.0	85%	26 - 138	3	44	6043965		04/23/06 12:52
Bis(2-ethylhexyl)phthalate		39.4		ug/L	50.0	79%	31 - 144	5	37	6043965		04/23/06 12:52
Fluoranthene		48.3		ug/L	50.0	97%	57 - 117	2	34	6043965		04/23/06 12:52
Fluorene		46.0		ug/L	50.0	92%	51 - 111	0.4	36	6043965		04/23/06 12:52
Hexachlorobenzene		46.6		ug/L	50.0	93%	50 - 124	7	34	6043965		04/23/06 12:52
Hexachlorobutadiene		46.3		ug/L	50.0	93%	31 - 102	10	55	6043965		04/23/06 12:52

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C												
6043965-BSD1												
Hexachlorocyclopentadiene		30.0		ug/L	50.0	60%	10 - 102	10	55	6043965		04/23/06 12:52
Hexachloroethane		39.0		ug/L	50.0	78%	28 - 88	10	59	6043965		04/23/06 12:52
Indeno (1,2,3-cd) pyrene		44.1		ug/L	50.0	88%	44 - 132	3	41	6043965		04/23/06 12:52
Isophorone		44.5		ug/L	50.0	89%	44 - 107	3	33	6043965		04/23/06 12:52
2-Methylnaphthalene		45.4		ug/L	50.0	91%	34 - 110	2	41	6043965		04/23/06 12:52
2-Methylphenol		36.7		ug/L	50.0	73%	15 - 90	6	52	6043965		04/23/06 12:52
Naphthalene		43.1		ug/L	50.0	86%	38 - 95	6	44	6043965		04/23/06 12:52
3/4-Methylphenol		36.9		ug/L	50.0	74%	4 - 99	6	54	6043965		04/23/06 12:52
3-Nitroaniline		47.9		ug/L	50.0	96%	51 - 117	4	40	6043965		04/23/06 12:52
2-Nitroaniline		48.9		ug/L	50.0	98%	53 - 116	2	36	6043965		04/23/06 12:52
4-Nitroaniline		46.3		ug/L	50.0	93%	50 - 115	1	31	6043965		04/23/06 12:52
Nitrobenzene		43.1		ug/L	50.0	86%	44 - 104	4	35	6043965		04/23/06 12:52
4-Nitrophenol		20.8		ug/L	50.0	42%	1 - 79	0.5	48	6043965		04/23/06 12:52
2-Nitrophenol		45.6		ug/L	50.0	91%	25 - 114	4	55	6043965		04/23/06 12:52
N-Nitrosodiphenylamine		65.3	L	ug/L	50.0	131%	51 - 111	3	32	6043965		04/23/06 12:52
N-Nitrosodi-n-propylamine		43.0		ug/L	50.0	86%	45 - 104	1	47	6043965		04/23/06 12:52
Pentachlorophenol		52.8		ug/L	50.0	106%	32 - 133	2	47	6043965		04/23/06 12:52
Phenanthrene		45.4		ug/L	50.0	91%	55 - 113	5	39	6043965		04/23/06 12:52
Phenol		18.5		ug/L	50.0	37%	18 - 50	15	54	6043965		04/23/06 12:52
Pyrene		46.2		ug/L	50.0	92%	57 - 117	2	35	6043965		04/23/06 12:52
1,2,4-Trichlorobenzene		43.2		ug/L	50.0	86%	32 - 92	10	50	6043965		04/23/06 12:52
1-Methylnaphthalene		43.2		ug/L	50.5	86%	39 - 109	3	45	6043965		04/23/06 12:52
2,4,6-Trichlorophenol		46.4		ug/L	50.0	93%	36 - 115	2	62	6043965		04/23/06 12:52
2,4,5-Trichlorophenol		47.9		ug/L	50.0	96%	40 - 121	0.8	56	6043965		04/23/06 12:52
Surrogate: Terphenyl-d14		41.0		ug/L	50.2	82%	31 - 111			6043965		04/23/06 12:52
Surrogate: 2,4,6-Tribromophenol		44.6		ug/L	50.2	89%	32 - 118			6043965		04/23/06 12:52
Surrogate: Phenol-d5		15.4		ug/L	50.2	31%	10 - 48			6043965		04/23/06 12:52
Surrogate: 2-Fluorobiphenyl		39.3		ug/L	50.2	78%	33 - 101			6043965		04/23/06 12:52
Surrogate: 2-Fluorophenol		23.1		ug/L	50.2	46%	10 - 64			6043965		04/23/06 12:52
Surrogate: Nitrobenzene-d5		39.8		ug/L	50.2	79%	31 - 112			6043965		04/23/06 12:52

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6045096-MS1										
Tert-Amyl Methyl Ether	13.9	28.1	M2	ug/L	50.0	28%	45 - 155	6045096	NPD2721-01	04/27/06 04:55
Ethyl tert-Butyl Ether	ND	27.5	M2	ug/L	50.0	55%	57 - 148	6045096	NPD2721-01	04/27/06 04:55
Diisopropyl Ether	ND	27.9	M2	ug/L	50.0	56%	67 - 143	6045096	NPD2721-01	04/27/06 04:55
Methyl tert-Butyl Ether	20.8	43.9	M2	ug/L	50.0	46%	55 - 152	6045096	NPD2721-01	04/27/06 04:55
Tertiary Butyl Alcohol	ND	171		ug/L	500	34%	19 - 183	6045096	NPD2721-01	04/27/06 04:55
Surrogate: 1,2-Dichloroethane-d4		60.3		ug/L	50.0	121%	70 - 130	6045096	NPD2721-01	04/27/06 04:55
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	79 - 122	6045096	NPD2721-01	04/27/06 04:55
Surrogate: Toluene-d8		51.6		ug/L	50.0	103%	78 - 121	6045096	NPD2721-01	04/27/06 04:55
Surrogate: 4-Bromofluorobenzene		58.9		ug/L	50.0	118%	78 - 126	6045096	NPD2721-01	04/27/06 04:55
Semivolatile Organic Compounds by EPA Method 8270C										
6043965-MS1										
Acenaphthene	ND	42.5		ug/L	47.6	89%	44 - 110	6043965	NPD2628-05	04/23/06 13:14
Acenaphthylene	ND	45.1		ug/L	47.6	95%	44 - 112	6043965	NPD2628-05	04/23/06 13:14
Anthracene	ND	45.7		ug/L	47.6	96%	49 - 127	6043965	NPD2628-05	04/23/06 13:14
Benzo (a) anthracene	ND	44.2		ug/L	47.6	93%	50 - 121	6043965	NPD2628-05	04/23/06 13:14
Benzo (a) pyrene	ND	44.1		ug/L	47.6	93%	48 - 130	6043965	NPD2628-05	04/23/06 13:14
Benzo (b) fluoranthene	ND	47.2		ug/L	47.6	99%	39 - 136	6043965	NPD2628-05	04/23/06 13:14
Benzo (g,h,i) perylene	ND	39.8		ug/L	47.6	84%	35 - 137	6043965	NPD2628-05	04/23/06 13:14
Benzo (k) fluoranthene	ND	40.0		ug/L	47.6	84%	43 - 137	6043965	NPD2628-05	04/23/06 13:14
4-Bromophenyl phenyl ether	ND	36.1		ug/L	47.6	76%	44 - 105	6043965	NPD2628-05	04/23/06 13:14
Butyl benzyl phthalate	ND	44.9		ug/L	47.6	94%	45 - 133	6043965	NPD2628-05	04/23/06 13:14
Carbazole	ND	44.8		ug/L	47.6	94%	53 - 123	6043965	NPD2628-05	04/23/06 13:14
4-Chloro-3-methylphenol	ND	42.5		ug/L	47.6	89%	27 - 100	6043965	NPD2628-05	04/23/06 13:14
4-Chloroaniline	ND	38.4		ug/L	47.6	81%	23 - 117	6043965	NPD2628-05	04/23/06 13:14
Bis(2-chloroethoxy)methane	ND	44.0		ug/L	47.6	92%	43 - 113	6043965	NPD2628-05	04/23/06 13:14
Bis(2-chloroethyl)ether	ND	39.3		ug/L	47.6	83%	38 - 106	6043965	NPD2628-05	04/23/06 13:14
Bis(2-chloroisopropyl)ether	ND	41.8		ug/L	47.6	88%	39 - 106	6043965	NPD2628-05	04/23/06 13:14
2-Chloronaphthalene	ND	41.3		ug/L	47.6	87%	35 - 110	6043965	NPD2628-05	04/23/06 13:14
2-Chlorophenol	ND	37.2		ug/L	47.6	78%	1 - 116	6043965	NPD2628-05	04/23/06 13:14
4-Chlorophenyl phenyl ether	ND	43.2		ug/L	47.6	91%	45 - 110	6043965	NPD2628-05	04/23/06 13:14
Chrysene	ND	42.1		ug/L	47.6	88%	49 - 122	6043965	NPD2628-05	04/23/06 13:14
Dibenz (a,h) anthracene	ND	41.1		ug/L	47.6	86%	38 - 135	6043965	NPD2628-05	04/23/06 13:14
Dibenzofuran	ND	44.8		ug/L	47.6	94%	46 - 113	6043965	NPD2628-05	04/23/06 13:14
Di-n-butyl phthalate	ND	43.8		ug/L	47.6	92%	51 - 120	6043965	NPD2628-05	04/23/06 13:14
1,4-Dichlorobenzene	ND	40.0		ug/L	47.6	84%	24 - 92	6043965	NPD2628-05	04/23/06 13:14
1,2-Dichlorobenzene	ND	41.9		ug/L	48.1	87%	27 - 96	6043965	NPD2628-05	04/23/06 13:14
1,3-Dichlorobenzene	ND	41.8		ug/L	47.6	88%	24 - 93	6043965	NPD2628-05	04/23/06 13:14

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C										
6043965-MS1										
3,3'-Dichlorobenzidine	ND	11.9	M8	ug/L	47.6	25%	27 - 129	6043965	NPD2628-05	04/23/06 13:14
2,4-Dichlorophenol	ND	43.2		ug/L	47.6	91%	1 - 130	6043965	NPD2628-05	04/23/06 13:14
Diethyl phthalate	ND	44.6		ug/L	47.6	94%	50 - 114	6043965	NPD2628-05	04/23/06 13:14
2,4-Dimethylphenol	ND	36.0		ug/L	47.6	76%	1 - 122	6043965	NPD2628-05	04/23/06 13:14
Dimethyl phthalate	ND	44.1		ug/L	47.6	93%	49 - 115	6043965	NPD2628-05	04/23/06 13:14
4,6-Dinitro-2-methylphenol	ND	41.6		ug/L	47.6	87%	1 - 141	6043965	NPD2628-05	04/23/06 13:14
2,4-Dinitrophenol	ND	57.4		ug/L	47.6	121%	50 - 121	6043965	NPD2628-05	04/23/06 13:14
2,6-Dinitrotoluene	ND	48.9		ug/L	47.6	103%	47 - 127	6043965	NPD2628-05	04/23/06 13:14
2,4-Dinitrotoluene	ND	46.5		ug/L	47.6	98%	48 - 123	6043965	NPD2628-05	04/23/06 13:14
Di-n-octyl phthalate	ND	45.8		ug/L	47.6	96%	21 - 142	6043965	NPD2628-05	04/23/06 13:14
Bis(2-ethylhexyl)phthalate	ND	42.2		ug/L	47.6	89%	25 - 149	6043965	NPD2628-05	04/23/06 13:14
Fluoranthene	ND	47.4		ug/L	47.6	100%	51 - 122	6043965	NPD2628-05	04/23/06 13:14
Fluorene	ND	44.9		ug/L	47.6	94%	48 - 114	6043965	NPD2628-05	04/23/06 13:14
Hexachlorobenzene	ND	42.2		ug/L	47.6	89%	49 - 124	6043965	NPD2628-05	04/23/06 13:14
Hexachlorobutadiene	ND	47.0		ug/L	47.6	99%	23 - 106	6043965	NPD2628-05	04/23/06 13:14
Hexachlorocyclopentadiene	ND	29.6		ug/L	47.6	62%	1 - 107	6043965	NPD2628-05	04/23/06 13:14
Hexachloroethane	ND	38.6		ug/L	47.6	81%	20 - 92	6043965	NPD2628-05	04/23/06 13:14
Indeno (1,2,3-cd) pyrene	ND	40.9		ug/L	47.6	86%	39 - 135	6043965	NPD2628-05	04/23/06 13:14
Isophorone	ND	43.7		ug/L	47.6	92%	41 - 109	6043965	NPD2628-05	04/23/06 13:14
2-Methylnaphthalene	ND	46.1		ug/L	47.6	97%	29 - 113	6043965	NPD2628-05	04/23/06 13:14
2-Methylphenol	ND	34.2		ug/L	47.6	72%	8 - 93	6043965	NPD2628-05	04/23/06 13:14
Naphthalene	ND	42.3		ug/L	47.6	89%	31 - 99	6043965	NPD2628-05	04/23/06 13:14
3/4-Methylphenol	ND	34.4		ug/L	47.6	72%	1 - 102	6043965	NPD2628-05	04/23/06 13:14
3-Nitroaniline	ND	41.6		ug/L	47.6	87%	40 - 125	6043965	NPD2628-05	04/23/06 13:14
2-Nitroaniline	ND	47.1		ug/L	47.6	99%	48 - 121	6043965	NPD2628-05	04/23/06 13:14
4-Nitroaniline	ND	42.6		ug/L	47.6	89%	40 - 123	6043965	NPD2628-05	04/23/06 13:14
Nitrobenzene	ND	42.4		ug/L	47.6	89%	39 - 106	6043965	NPD2628-05	04/23/06 13:14
4-Nitrophenol	ND	21.7		ug/L	47.6	46%	1 - 79	6043965	NPD2628-05	04/23/06 13:14
2-Nitrophenol	ND	43.5		ug/L	47.6	91%	1 - 134	6043965	NPD2628-05	04/23/06 13:14
N-Nitrosodiphenylamine	ND	59.4		ug/L	47.6	125%	37 - 126	6043965	NPD2628-05	04/23/06 13:14
N-Nitrosodi-n-propylamine	ND	43.7		ug/L	47.6	92%	40 - 107	6043965	NPD2628-05	04/23/06 13:14
Pentachlorophenol	ND	53.3		ug/L	47.6	112%	13 - 146	6043965	NPD2628-05	04/23/06 13:14
Phenanthrene	ND	41.9		ug/L	47.6	88%	50 - 117	6043965	NPD2628-05	04/23/06 13:14
Phenol	ND	15.8		ug/L	47.6	33%	10 - 54	6043965	NPD2628-05	04/23/06 13:14
Pyrene	ND	43.0		ug/L	47.6	90%	52 - 122	6043965	NPD2628-05	04/23/06 13:14
1,2,4-Trichlorobenzene	ND	43.1		ug/L	47.6	91%	25 - 96	6043965	NPD2628-05	04/23/06 13:14
1-Methylnaphthalene	ND	43.4		ug/L	48.1	90%	32 - 115	6043965	NPD2628-05	04/23/06 13:14

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPD2685
	270 Perkins Street	Project Name:	2703 Martin Luther King Jr. Way, Oakland, CA
	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C										
6043965-MS1										
2,4,6-Trichlorophenol	ND	45.2		ug/L	47.6	95%	1 - 142	6043965	NPD2628-05	04/23/06 13:14
2,4,5-Trichlorophenol	ND	45.0		ug/L	47.6	95%	1 - 157	6043965	NPD2628-05	04/23/06 13:14
Surrogate: Terphenyl-d14		37.1		ug/L	47.8	78%	31 - 111	6043965	NPD2628-05	04/23/06 13:14
Surrogate: 2,4,6-Tribromophenol		40.4		ug/L	47.8	85%	32 - 118	6043965	NPD2628-05	04/23/06 13:14
Surrogate: Phenol-d5		13.5		ug/L	47.8	28%	10 - 48	6043965	NPD2628-05	04/23/06 13:14
Surrogate: 2-Fluorobiphenyl		37.7		ug/L	47.8	79%	33 - 101	6043965	NPD2628-05	04/23/06 13:14
Surrogate: 2-Fluorophenol		20.0		ug/L	47.8	42%	10 - 64	6043965	NPD2628-05	04/23/06 13:14
Surrogate: Nitrobenzene-d5		38.8		ug/L	47.8	81%	31 - 112	6043965	NPD2628-05	04/23/06 13:14
Purgeable Petroleum Hydrocarbons										
6045096-MS1										
Gasoline Range Organics	1000000000	1.00E9	MHA	ug/L	3050	0%	60 - 140	6045096	NPD2721-01	04/27/06 04:55
Surrogate: 1,2-Dichloroethane-d4		60.3		ug/L	50.0	121%	0 - 200	6045096	NPD2721-01	04/27/06 04:55
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	0 - 200	6045096	NPD2721-01	04/27/06 04:55
Surrogate: Toluene-d8		51.6		ug/L	50.0	103%	0 - 200	6045096	NPD2721-01	04/27/06 04:55
Surrogate: 4-Bromofluorobenzene		58.9		ug/L	50.0	118%	0 - 200	6045096	NPD2721-01	04/27/06 04:55

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PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6045096-MSD1												
Tert-Amyl Methyl Ether	13.9	17.0	M2, R3	ug/L	50.0	6%	45 - 155	49	24	6045096	NPD2721-01	04/27/06 05:17
Ethyl tert-Butyl Ether	ND	16.9	M2, R3	ug/L	50.0	34%	57 - 148	48	22	6045096	NPD2721-01	04/27/06 05:17
Diisopropyl Ether	ND	15.9	M2, R3	ug/L	50.0	32%	67 - 143	55	22	6045096	NPD2721-01	04/27/06 05:17
Methyl tert-Butyl Ether	20.8	35.6	M2	ug/L	50.0	30%	55 - 152	21	27	6045096	NPD2721-01	04/27/06 05:17
Tertiary Butyl Alcohol	ND	165		ug/L	500	33%	19 - 183	4	39	6045096	NPD2721-01	04/27/06 05:17
Surrogate: 1,2-Dichloroethane-d4		59.9		ug/L	50.0	120%	70 - 130			6045096	NPD2721-01	04/27/06 05:17
Surrogate: Dibromofluoromethane		53.0		ug/L	50.0	106%	79 - 122			6045096	NPD2721-01	04/27/06 05:17
Surrogate: Toluene-d8		52.0		ug/L	50.0	104%	78 - 121			6045096	NPD2721-01	04/27/06 05:17
Surrogate: 4-Bromofluorobenzene		58.0		ug/L	50.0	116%	78 - 126			6045096	NPD2721-01	04/27/06 05:17
Semivolatile Organic Compounds by EPA Method 8270C												
6043965-MSD1												
Acenaphthene	ND	24.8	R2	ug/L	47.6	52%	44 - 110	53	41	6043965	NPD2628-05	04/23/06 13:35
Acenaphthylene	ND	26.5	R2	ug/L	47.6	56%	44 - 112	52	33	6043965	NPD2628-05	04/23/06 13:35
Anthracene	ND	27.1	R2	ug/L	47.6	57%	49 - 127	51	38	6043965	NPD2628-05	04/23/06 13:35
Benzo (a) anthracene	ND	26.8	R2	ug/L	47.6	56%	50 - 121	49	35	6043965	NPD2628-05	04/23/06 13:35
Benzo (a) pyrene	ND	26.4	R2	ug/L	47.6	55%	48 - 130	50	37	6043965	NPD2628-05	04/23/06 13:35
Benzo (b) fluoranthene	ND	25.7	R2	ug/L	47.6	54%	39 - 136	59	37	6043965	NPD2628-05	04/23/06 13:35
Benzo (g,h,i) perylene	ND	23.9	R2	ug/L	47.6	50%	35 - 137	50	36	6043965	NPD2628-05	04/23/06 13:35
Benzo (k) fluoranthene	ND	25.8	R2	ug/L	47.6	54%	43 - 137	43	40	6043965	NPD2628-05	04/23/06 13:35
4-Bromophenyl phenyl ether	ND	21.7	R2	ug/L	47.6	46%	44 - 105	50	35	6043965	NPD2628-05	04/23/06 13:35
Butyl benzyl phthalate	ND	25.8	R2	ug/L	47.6	54%	45 - 133	54	37	6043965	NPD2628-05	04/23/06 13:35
Carbazole	ND	25.8	R2	ug/L	47.6	54%	53 - 123	54	35	6043965	NPD2628-05	04/23/06 13:35
4-Chloro-3-methylphenol	ND	24.2	R2	ug/L	47.6	51%	27 - 100	55	38	6043965	NPD2628-05	04/23/06 13:35
4-Chloroaniline	ND	23.9	R2	ug/L	47.6	50%	23 - 117	47	39	6043965	NPD2628-05	04/23/06 13:35
Bis(2-chloroethoxy)methane	ND	25.0	R2	ug/L	47.6	53%	43 - 113	55	34	6043965	NPD2628-05	04/23/06 13:35
Bis(2-chloroethyl)ether	ND	22.0	R2	ug/L	47.6	46%	38 - 106	56	44	6043965	NPD2628-05	04/23/06 13:35
Bis(2-chloroisopropyl)ether	ND	23.5	R2	ug/L	47.6	49%	39 - 106	56	40	6043965	NPD2628-05	04/23/06 13:35
2-Chloronaphthalene	ND	24.1	R2	ug/L	47.6	51%	35 - 110	53	41	6043965	NPD2628-05	04/23/06 13:35
2-Chlorophenol	ND	21.0		ug/L	47.6	44%	1 - 116	56	59	6043965	NPD2628-05	04/23/06 13:35
4-Chlorophenyl phenyl ether	ND	24.8	R2	ug/L	47.6	52%	45 - 110	54	34	6043965	NPD2628-05	04/23/06 13:35
Chrysene	ND	25.6	R2	ug/L	47.6	54%	49 - 122	49	35	6043965	NPD2628-05	04/23/06 13:35
Dibenz (a,h) anthracene	ND	24.1	R2	ug/L	47.6	51%	38 - 135	52	41	6043965	NPD2628-05	04/23/06 13:35
Dibenzofuran	ND	25.5	R2	ug/L	47.6	54%	46 - 113	55	36	6043965	NPD2628-05	04/23/06 13:35
Di-n-butyl phthalate	ND	24.4	R2	ug/L	47.6	51%	51 - 120	57	35	6043965	NPD2628-05	04/23/06 13:35
1,4-Dichlorobenzene	ND	22.8		ug/L	47.6	48%	24 - 92	55	57	6043965	NPD2628-05	04/23/06 13:35
1,2-Dichlorobenzene	ND	23.6	R2	ug/L	48.1	49%	27 - 96	56	55	6043965	NPD2628-05	04/23/06 13:35
1,3-Dichlorobenzene	ND	23.6	R2	ug/L	47.6	50%	24 - 93	56	55	6043965	NPD2628-05	04/23/06 13:35
3,3'-Dichlorobenzidine	ND	13.1		ug/L	47.6	28%	27 - 129	10	44	6043965	NPD2628-05	04/23/06 13:35
2,4-Dichlorophenol	ND	24.5		ug/L	47.6	51%	1 - 130	55	57	6043965	NPD2628-05	04/23/06 13:35
Diethyl phthalate	ND	25.0	R2	ug/L	47.6	53%	50 - 114	56	38	6043965	NPD2628-05	04/23/06 13:35

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	Sonoma, CA 95476	Project Number:	SAP 129449
Attn	Ana Friel	Received:	04/21/06 08:10

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C												
6043965-MSD1												
2,4-Dimethylphenol	ND	22.2		ug/L	47.6	47%	1 - 122	47	73	6043965	NPD2628-05	04/23/06 13:35
Dimethyl phthalate	ND	25.0	R2	ug/L	47.6	53%	49 - 115	55	36	6043965	NPD2628-05	04/23/06 13:35
4,6-Dinitro-2-methylphenol	ND	24.4		ug/L	47.6	51%	1 - 141	52	59	6043965	NPD2628-05	04/23/06 13:35
2,4-Dinitrophenol	ND	31.7	R2	ug/L	47.6	67%	50 - 121	58	35	6043965	NPD2628-05	04/23/06 13:35
2,6-Dinitrotoluene	ND	29.0	R2	ug/L	47.6	61%	47 - 127	51	40	6043965	NPD2628-05	04/23/06 13:35
2,4-Dinitrotoluene	ND	26.2	R2	ug/L	47.6	55%	48 - 123	56	36	6043965	NPD2628-05	04/23/06 13:35
Di-n-octyl phthalate	ND	24.7	R2	ug/L	47.6	52%	21 - 142	60	44	6043965	NPD2628-05	04/23/06 13:35
Bis(2-ethylhexyl)phthalate	ND	23.8	R2	ug/L	47.6	50%	25 - 149	56	37	6043965	NPD2628-05	04/23/06 13:35
Fluoranthene	ND	26.7	R2	ug/L	47.6	56%	51 - 122	56	34	6043965	NPD2628-05	04/23/06 13:35
Fluorene	ND	25.7	R2	ug/L	47.6	54%	48 - 114	54	36	6043965	NPD2628-05	04/23/06 13:35
Hexachlorobenzene	ND	25.4	R2	ug/L	47.6	53%	49 - 124	50	34	6043965	NPD2628-05	04/23/06 13:35
Hexachlorobutadiene	ND	27.6		ug/L	47.6	58%	23 - 106	52	55	6043965	NPD2628-05	04/23/06 13:35
Hexachlorocyclopentadiene	ND	18.5		ug/L	47.6	39%	1 - 107	46	55	6043965	NPD2628-05	04/23/06 13:35
Hexachloroethane	ND	22.6		ug/L	47.6	47%	20 - 92	52	59	6043965	NPD2628-05	04/23/06 13:35
Indeno (1,2,3-cd) pyrene	ND	23.6	R2	ug/L	47.6	50%	39 - 135	54	41	6043965	NPD2628-05	04/23/06 13:35
Isophorone	ND	24.6	R2	ug/L	47.6	52%	41 - 109	56	33	6043965	NPD2628-05	04/23/06 13:35
2-Methylnaphthalene	ND	25.8	R2	ug/L	47.6	54%	29 - 113	56	41	6043965	NPD2628-05	04/23/06 13:35
2-Methylphenol	ND	19.6	R2	ug/L	47.6	41%	8 - 93	54	52	6043965	NPD2628-05	04/23/06 13:35
Naphthalene	ND	23.8	R2	ug/L	47.6	50%	31 - 99	56	44	6043965	NPD2628-05	04/23/06 13:35
3/4-Methylphenol	ND	18.5	R2	ug/L	47.6	39%	1 - 102	60	54	6043965	NPD2628-05	04/23/06 13:35
3-Nitroaniline	ND	24.9	R2	ug/L	47.6	52%	40 - 125	50	40	6043965	NPD2628-05	04/23/06 13:35
2-Nitroaniline	ND	27.0	R2	ug/L	47.6	57%	48 - 121	54	36	6043965	NPD2628-05	04/23/06 13:35
4-Nitroaniline	ND	24.9	R2	ug/L	47.6	52%	40 - 123	52	31	6043965	NPD2628-05	04/23/06 13:35
Nitrobenzene	ND	24.3	R2	ug/L	47.6	51%	39 - 106	54	35	6043965	NPD2628-05	04/23/06 13:35
4-Nitrophenol	ND	11.4	R2	ug/L	47.6	24%	1 - 79	62	48	6043965	NPD2628-05	04/23/06 13:35
2-Nitrophenol	ND	24.4	R2	ug/L	47.6	51%	1 - 134	56	55	6043965	NPD2628-05	04/23/06 13:35
N-Nitrosodiphenylamine	ND	35.9	R2	ug/L	47.6	75%	37 - 126	49	32	6043965	NPD2628-05	04/23/06 13:35
N-Nitrosodi-n-propylamine	ND	24.1	R2	ug/L	47.6	51%	40 - 107	58	47	6043965	NPD2628-05	04/23/06 13:35
Pentachlorophenol	ND	29.8	R2	ug/L	47.6	63%	13 - 146	57	47	6043965	NPD2628-05	04/23/06 13:35
Phenanthrene	ND	24.9	R2	ug/L	47.6	52%	50 - 117	51	39	6043965	NPD2628-05	04/23/06 13:35
Phenol	ND	8.75	R2	ug/L	47.6	18%	10 - 54	57	54	6043965	NPD2628-05	04/23/06 13:35
Pyrene	ND	26.4	R2	ug/L	47.6	55%	52 - 122	48	35	6043965	NPD2628-05	04/23/06 13:35
1,2,4-Trichlorobenzene	ND	25.0	R2	ug/L	47.6	53%	25 - 96	53	50	6043965	NPD2628-05	04/23/06 13:35
1-Methylnaphthalene	ND	24.7	R2	ug/L	48.1	51%	32 - 115	55	45	6043965	NPD2628-05	04/23/06 13:35
2,4,6-Trichlorophenol	ND	25.2		ug/L	47.6	53%	1 - 142	57	62	6043965	NPD2628-05	04/23/06 13:35
2,4,5-Trichlorophenol	ND	26.0		ug/L	47.6	55%	1 - 157	54	56	6043965	NPD2628-05	04/23/06 13:35
Surrogate: Terphenyl-d14		22.7		ug/L	47.8	47%	31 - 111			6043965	NPD2628-05	04/23/06 13:35
Surrogate: 2,4,6-Tribromophenol		23.8		ug/L	47.8	50%	32 - 118			6043965	NPD2628-05	04/23/06 13:35
Surrogate: Phenol-d5		7.35		ug/L	47.8	15%	10 - 48			6043965	NPD2628-05	04/23/06 13:35
Surrogate: 2-Fluorobiphenyl		22.5		ug/L	47.8	47%	33 - 101			6043965	NPD2628-05	04/23/06 13:35
Surrogate: 2-Fluorophenol		11.4		ug/L	47.8	24%	10 - 64			6043965	NPD2628-05	04/23/06 13:35

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PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Semivolatile Organic Compounds by EPA Method 8270C												
6043965-MSD1												
Surrogate: Nitrobenzene-d5		22.2		ug/L	47.8	46%	31 - 112			6043965	NPD2628-05	04/23/06 13:35
Purgeable Petroleum Hydrocarbons												
6045096-MSD1												
Gasoline Range Organics	1000000000	1.00E9	MHA	ug/L	3050	0%	60 - 140	0	40	6045096	NPD2721-01	04/27/06 05:17
Surrogate: 1,2-Dichloroethane-d4		59.9		ug/L	50.0	120%	0 - 200			6045096	NPD2721-01	04/27/06 05:17
Surrogate: Dibromofluoromethane		53.0		ug/L	50.0	106%	0 - 200			6045096	NPD2721-01	04/27/06 05:17
Surrogate: Toluene-d8		52.0		ug/L	50.0	104%	0 - 200			6045096	NPD2721-01	04/27/06 05:17
Surrogate: 4-Bromofluorobenzene		58.0		ug/L	50.0	116%	0 - 200			6045096	NPD2721-01	04/27/06 05:17

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CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			X
NA	Water			
SW846 8260B	Water	N/A	X	X
SW846 8270C	Water	N/A	X	X

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NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte
CA LUFT GC/MS	Water	Gasoline Range Organics
SW846 8260B	Water	Diisopropyl Ether

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DATA QUALIFIERS AND DEFINITIONS

L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#**

NPD2685

Cooler Received/Opened On 4/21/06 8:10

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 7519

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 5.0 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (Raynger ST)

3. Were custody seals on outside of cooler?..... (YES)...NO....NA

a. If yes, how many and where: 1 Front

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... JR

6. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... JR

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... JR

15. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... JR

I certify that I attached a label with the unique LIMS number to each container (intial)..... JR

19. Were there Non-Conformance issues at login YES (NO) Was a PIPE generated YES NO #_____

BIS = Broken in shipment

SHELL Chain Of Custody Record

LAB: Test America STL Other_____

Lab Identification (if necessary):
- ☐ TA - Irvine, California
- ☒ TA - Morgan Hill, California
- ☐ TA - Nashville, Tennesee
- ☐ STL
- ☐ Other (location)_____

Shell Project Manager to be invoiced: DENIS BROWN
- ☑ SCIENCE & ENGINEERING
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON
- ☐ NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (S&E ONLY): 97093397

SAP or CRMT NUMBER (TS/CRMT):

DATE: 4/19/06

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.

LOG CODE: CETS

SITE ADDRESS (Street and City): 2703 MARTIN LUTHER KING JR WAY, OAKLAND

GLOBAL ID NO.: T0600101876

ADDRESS: 270 Perkins Street, Sonoma, CA 95476

EDF DELIVERABLE TO (Responsible Party or Designee): Susan Lukaszewicz

PHONE NO.: (707) 933-2376

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: 248-0781

PROJECT CONTACT (Hardcopy or PDF Report to): ANA FRIEL

TELEPHONE: 707-268-3812

FAX: 707-268-8180

E-MAIL: AFRIEL@CAMBRIA.COM

DAN LESCURE

LAB USE ONLY

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): ☐ RESULTS NEEDED ON WEEKEND

☒ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: ACHCSA ~~Sacramento County~~

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

NPD2685

05/01/06 23:59

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
	FLOOR DRAIN - 1	4/19	1200	H2O	4 VOA HCl	X			X										X		NPD 2685-1				VOAs w/ HCl
	FLOOR-DRAIN - 1	4/19	1200	H2O	1 A-L AMBER															X					2	1/2-L AMBER (50% FULL)

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

Relinquished by: (Signature)	Received by: (Signature)	Date: 4/20/06	Time: 11:55 AM
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-20-2006	Time: 1440
Relinquished by: (Signature) 4-20-06 1447	Received by: (Signature)	Date: 4-21-06	Time: 8:10

Q&Q Graphic (714) 898-9702

11/18/05 Revision

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Ana Friel
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Subject : 7 Soil Samples
Project Name : 2703 MARTIN LUTHER KING JR. WAY OAKLAND
Project Number : 248-0781
P.O. Number : 97093397

Dear Ms. Friel,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-14-5** Matrix : Soil Lab Number : 48665-01
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	109		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	91.2		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-14-10** Matrix : Soil Lab Number : 48665-02
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.0083**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethylbenzene	**0.028**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Total Xylenes	**0.0055**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Tert-Butanol	**< 0.025**	0.025	mg/Kg	EPA 8260B	3/3/2006
TPH as Gasoline	**32**	1.0	mg/Kg	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-14-14** Matrix : Soil Lab Number : 48665-03
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2.3**	0.15	mg/Kg	EPA 8260B	3/3/2006
Toluene	**0.18**	0.15	mg/Kg	EPA 8260B	3/3/2006
Ethylbenzene	**19**	0.15	mg/Kg	EPA 8260B	3/3/2006
Total Xylenes	**27**	0.15	mg/Kg	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	**< 0.15**	0.15	mg/Kg	EPA 8260B	3/3/2006
Diisopropyl ether (DIPE)	**< 0.15**	0.15	mg/Kg	EPA 8260B	3/3/2006
Ethyl-t-butyl ether (ETBE)	**< 0.15**	0.15	mg/Kg	EPA 8260B	3/3/2006
Tert-amyl methyl ether (TAME)	**< 0.15**	0.15	mg/Kg	EPA 8260B	3/3/2006
Tert-Butanol	**< 0.70**	0.70	mg/Kg	EPA 8260B	3/3/2006
TPH as Gasoline	**970**	15	mg/Kg	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	93.0		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-12-5** Matrix : Soil Lab Number : 48665-04
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/3/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	3/3/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-12-10** Matrix : Soil Lab Number : 48665-05
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	93.3		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-12-15** Matrix : Soil Lab Number : 48665-06
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	92.5		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 48665
Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**
Project Number : **248-0781**

Sample : **MW-12-19.5** Matrix : Soil Lab Number : 48665-07
Sample Date :2/28/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	109		% Recovery	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	90.8		% Recovery	EPA 8260B	3/2/2006

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48665

Date : 3/31/2006

QC Report : Method Blank Data

Project Name : **2703 MARTIN LUTHER KING JR. WAY OAKLAND**

Project Number : **248-0781**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/2/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	99.5		%	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	95.0		%	EPA 8260B	3/2/2006
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	3/3/2006
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	100		%	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	92.6		%	EPA 8260B	3/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48665

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0781**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	48672-03	<0.0050	0.0388	0.0385	0.0336	0.0342	mg/Kg	EPA 8260B	3/2/06	86.8	89.0	2.49	70-130	25
Toluene	48672-03	<0.0050	0.0388	0.0385	0.0336	0.0344	mg/Kg	EPA 8260B	3/2/06	86.8	89.4	3.01	70-130	25
Methyl-t-Butyl Ether	48672-03	<0.0050	0.0388	0.0385	0.0312	0.0321	mg/Kg	EPA 8260B	3/2/06	80.6	83.5	3.55	70-130	25
Benzene	48691-01	<0.0050	0.0399	0.0399	0.0376	0.0350	mg/Kg	EPA 8260B	3/3/06	94.3	87.7	7.26	70-130	25
Toluene	48691-01	<0.0050	0.0399	0.0399	0.0377	0.0352	mg/Kg	EPA 8260B	3/3/06	94.4	88.2	6.78	70-130	25
Tert-Butanol	48691-01	<0.0050	0.200	0.200	0.182	0.167	mg/Kg	EPA 8260B	3/3/06	91.0	83.8	8.33	70-130	25
Methyl-t-Butyl Ether	48691-01	<0.0050	0.0399	0.0399	0.0354	0.0338	mg/Kg	EPA 8260B	3/3/06	88.8	84.6	4.84	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 48665

QC Report : Laboratory Control Sample (LCS)

Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0781**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0386	mg/Kg	EPA 8260B	3/2/06	97.6	70-130
Toluene	0.0386	mg/Kg	EPA 8260B	3/2/06	98.8	70-130
Methyl-t-Butyl Ether	0.0386	mg/Kg	EPA 8260B	3/2/06	90.7	70-130
Benzene	0.0384	mg/Kg	EPA 8260B	3/3/06	99.1	70-130
Toluene	0.0384	mg/Kg	EPA 8260B	3/3/06	98.8	70-130
Tert-Butanol	0.192	mg/Kg	EPA 8260B	3/3/06	88.1	70-130
Methyl-t-Butyl Ether	0.0384	mg/Kg	EPA 8260B	3/3/06	92.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

48665

SHELL Chain Of Custody Record

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 HOUSTON

DENIS BROWN

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 7

S/AP or CRMT NUMBER (TS/CRMT):

DATE: 2/28/04

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC

LOG CODE:

SITE ADDRESS (Street and City): 2703 MARTIN LUTHER KING JR. WAY OAKLAND

GLOBAL ID NO.: T0600101870

ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee): N/A

PHONE NO.: N/A

E-MAIL: N/A

CONSULTANT PROJECT NO.: 248 - 0781

PROJECT CONTACT (Hardcopy or PDF Report to): Ana Friel

SAMPLER NAME(S) (Print): Bill De Boer

LAB USE ONLY

TELEPHONE: 707-268-3812

FAX: 707 268 8182

E-MAIL: AFRIEL@CAMBRIA-ENV.COM

TURNAROUND TIME (BUSINESS DAYS):

☑ 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 ☑

Please CC results to

BDEBOER@CAMBRIA-ENV.COM

Hour Meter =

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8021)	TPH - Extractable (8015m)	BTEX (8021)	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	TEMPERATURE ON RECEIPT C°
	MW-14-5	2/28	956	S	1	X		X													01
	MW-14-10	2/28	1021	S	1	X		X													02
	MW-14-14	2/28	1046	S	1	X		X													03
	MW-12-5	2/28	1245	S	1	X		X													04
	MW-12-10	2/28	1309	S	1	X		X													05
	MW-12-15	2/28	1320	S	1	X		X													06
	MW-12-19.5	2/28	1327	S	1	X		X													07

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 032106	Time: 1400

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702