CAMBRIA

April 14, 2006

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

Re: **Site Investigation Report, and**
First Quarter 2006 – Groundwater Monitoring 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 recent site investigation activities performed at the referenced site in January 2006. Cambria followed the scope of work presented in our November 22, 2005 *Feasibility Study Work Plan* and part of the scope in our December 16, 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.

Cambria Environmental Technology, Inc.

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

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 such things as non-operational automobiles, portable gasoline containers, tires, and drums used for waste oil collection and storage. Some photographs of the auto repair business are included in Appendix A, for reference.

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 and 3 present the cumulative soil and grab groundwater analytical data 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. The historical soil and groundwater data are included on Tables 2 and 3 and in Appendix B. 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 – 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 45,00 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.

Additional wells were installed at this site in January 2006 and the results of their initial sample event are presented in the results discussion of this report.

INVESTIGATION ACTIVITIES

In January 2006, Cambria completed portions of the scope of work recommended in the November 15, 2005 *Site Investigation Report,* the November 22, 2005 *Feasibility Study Work Plan*, and the December 20, 2005 *Plume Delineation Work Plan.* The technical report was requested for submittal by March 15, 2006; however, due to laboratory problems with generating an accurate report, Cambria requested an extension for submittal of the site investigation report in electronic correspondence dated March 9, 2006. The ACEH granted the extension to April 15, 2006 in electronic correspondence dated March 9, 2006. As presented below, the onsite activities completed included installation of wells MW-6, MW-7, and MW-8, installation of boring B-23 and drilling and setting well boxes for soil vapor probes VP-1 through VP-6. The new wells were surveyed, developed and included in the first quarter sampling event. The investigation activities and results are presented below.

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

Permits: Alameda County Public Works Agency staff issued permits W2005-1128, W2005-1129, W2005-1191, and W2005-1192 for

soil boring B-23, monitoring wells MW-6, MW-7, and MW-8, as well as soil vapor probes VP-1 through VP-6 (Appendix B).

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

Drilling Dates: Soil boring B-23 and monitoring wells MW-6 through MW-8 were installed between January 3rd and 4th, 2006. Soil vapor probes VP-1 through VP-6 were advanced during the same time interval and the well boxes were set, though the probes were not installed due to saturated conditions in the vadose zone. Installation of the probes is still pending.

Drilling Methods: All borings were cleared to 5 fbg using hand auger equipment and were advanced to their total depths using hollow stem augers (HSA).

Number of Borings: One soil boring, three monitoring wells, and six soil vapor probe borings were advanced during these field activities. The boring specifications are described in Table 1 and the boring locations are shown on Figure 2. Boring logs are included in Appendix C.

Boring Depths: Soil boring B-23 and monitoring wells MW-6 through MW-8 were advanced to approximately 20 fbg. Soil vapor probes VP-1 through VP-6 were advanced to approximately 5 fbg.

Soil Sampling Methods: Soil borings for B-23 and MW-6 through MW-8 were logged continuously using split-spoon sampling techniques and samples were collected at approximate 5-foot intervals for potential chemical and headspace analysis where possible. Samples selected for chemical analysis 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 C).

Soil vapor probes were logged continuously from hand auger cuttings. No soil samples were collected from these borings and boring logs were not generated since the vapor probes have not been constructed.

Soil Classification:

Soils in all borings were classified in the field using the Unified Soil Classification and all depths are approximated. Overlaying all borings approximately 2.5 inches of asphalt and 9.5 inches of medium gravel fill. A fine grained clayey silt to silt with sand and gravel (ML) extends from approximately 1 fbg to as much as 11.5 fbg, underlain by a medium to coarse grained silt sand and gravel mixture (SM, SP, GM, or GP) to a maximum depth of 19 fbg. This coarse layer is seen to be continuous throughout all borings extending to this depth. The silty sand (ML) is again present below 19 fbg to the maximum explored depth of 20 fbg. Encountered soils are fully described on the exploratory boring logs presented in Appendix C.

Groundwater Depths:

Groundwater was first encountered during drilling activities in borings B-23 and MW-6 through MW-8 at depths ranging from 12 to 13.5 fbg.

Groundwater Sampling:

Grab groundwater samples were collected from borings B-23 and MW-6 through MW-8 at the termination of each boring using disposable bailers and retained in laboratory-supplied 40-millilliter glass vials containing the appropriate preservative for the desired analysis.

Chemical Analyses:

Soil and groundwater samples were analyzed for TPHg, and benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8015M/8021. Selected soil samples were also analyzed for total lead by EPA Method 6010B.

Soil Disposal:

Soil generated during field activities was stockpiled onsite, underlain and covered by visqueen plastic sheeting, and sampled for disposal profiling. On February 14, 2006, Manley and Sons Trucking transported 3.6 tons of soil to Allied Waste Industries'

Forward Landfill in Manteca, California. Disposal confirmation is provided as Appendix D.

Well Materials: Wells MW-6 through MW-7 were constructed using four-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.010-inch and 2/12 Lonestar sand.

Screened Interval: Wells MW-6 through MW-8 are screened from 5 to 20 fbg. Monitoring well construction details are presented on Table 1 and recorded on the exploratory boring logs (Appendix C).

Well Development/Sampling: Blaine developed and purged wells MW-6 through MW-8 on January 9, 2006 and sampled the wells on January 11, 2006. Blaine developed the wells using surge block agitation and pump evacuation. Blaine's groundwater monitoring and well development report is presented as Appendix E.

Wellhead Survey: Virgil Chavez (licensed land surveyor No. 6323) of Vallejo, California surveyed the top of casing elevations for wells MW-6 through MW-8 relative to mean sea level on February 14, 2006 (Appendix F).

HYDROCARBON DISTRIBUTION IN SOIL

A total of 15 soil samples were submitted for chemical analyses of TPHg and BTEX. Due to laboratory errors and issues, the laboratory noted numerous quality assurance/quality control issues and hold time issues with the analytical results in their report (Appendix G). TPHg was reported in nine of the samples with concentrations ranging from 19 to 3,800 mg/kg. Benzene was reported in four of the 15 samples at concentrations ranging from 0.0090 to 33 mg/kg. The laboratory data is presented on Table 2 and TPHg and benzene concentrations are depicted on Figure 3. The complete laboratory report and chain of custody forms are included in Appendix G.

TOTAL LEAD CONCENTRATIONS IN SOIL

The first two soil samples from each of the four locations (B-23 and MW-6 through MW-8) were submitted for chemical analyses of total lead. One sample obtained from 6.5 fbg at MW-8 reported total lead at 310 mg/kg. The other seven samples contained lead concentrations at or below 17 mg/kg. The laboratory data is presented on Table 2 and the complete laboratory report and chain of custody forms are included in Appendix G.

HYDROCARBON DISTRIBUTION IN GROUNDWATER

Grab Groundwater Results: Grab groundwater samples were collected from each boring location. TPHg and BTEX were reported in all four samples with TPHg concentrations ranging from 49,000 to 230,000 µg/l and benzene concentrations ranging from 1,100 to 26,000 µg/l. The laboratory noted that the BTEX analyses were performed outside of the EPA recommended hold time due to laboratory oversight. The grab groundwater data are presented on Table 3 with TPHg and benzene concentrations depicted on Figure 4. The complete laboratory report and chain of custody forms are included in Appendix G.

First Quarter 2006 Monitoring Event: Blaine gauged, purged, and sampled the site wells on January 11, 2006, prior to Cambria performing the vapor extraction pilot test. Depth to water ranged from 4.25 feet below top of casing in well MW-4 to 6.6 feet below top of casing in well V-2. The groundwater flow direction was to the south/southeast, which is consistent with historical data for the site as demonstrated by the rose diagram on Figure 5. The gradient in the northwest corner of the site was basically flat, but to the southeast was approximately 0.03 feet per foot. The groundwater contours, TPHg, and benzene concentration data are presented on Figure 5. The tabulated analytical data and laboratory report are presented in Blaine's report, in Appendix E.

Concentrations of TPHg ranged from below the detection limit of 50 µg/l in well V-1 (former USTs) to 150,000 µg/l in recently installed well MW-6, along the western property boundary. Benzene concentrations ranged from <0.5 µg/l in V-1 to 9,800 µg/l in well MW-7 (upgradient of former Shell features). The fuel oxygenates, di-isopropyl ether (DIPE) and tert-butyl alcohol (TBA) were detected in the three newly installed wells (MW-6, MW-7, and MW-8) as well as in monitoring well MW-4. Maximum concentrations of 28 µg/l of DIPE and 64 µg/l TBA were reported in well MW-7 at the northwest corner of the property. To demonstrate visually the areas with the highest concentrations of various constituents, isoconcentration contour maps were generated for TPHg, benzene, DIPE, and TBA on Figures 6 through 9, respectively.

OBSERVED GREEN LIQUID IN OPEN POST HOLE

During a site visit on February 28, 2006, a Cambria staff geologist noticed green liquid in one of several open post holes that had been excavated by the property owner some time ago in advance of installing fence posts. These post holes are located in a line between 27th Street and the corner of the carport, near the western property boundary. Because of the heavy rains, the holes were filled with water during our January 2006 field activities and again during the February 28th visit. However, one of the post holes (the fourth one from 27th street, near well MW-6) was observed to contain green liquid, which was significantly different from the appearance of water in the other holes. Photographs are included in Appendix H. Water samples were collected from this liquid. Sample PH4-1 was collected on February 28, 2006 in four voa vials. On March 1, 2006, Cambria returned to the site with additional containers more appropriate for certain chemical analyses. The sample collected on March 1, 2006 was labeled PH4-2. Both PH4-1 and PH4-2 were analyzed for the full list of EPA Method 8260B analytes, include TPHg, BTEX, fuel oxygenates. All of the constituents were reported as below the detection limits; however, sample PH4-1 had elevated detection limits due to the presence of ethanol, according to the laboratory notes. Thus, Cambria requested quantification of ethanol for PH4-1, which showed at least 36,000 µg/l ethanol in the water. Because Cambria did not have the appropriate sample containers for metals or ethylene glycol analyses until the following day, only PH4-2 was analyzed for these constituents. The results indicated the presence of copper (36.1 µg/l), lead (23.4 µg/l), and zinc (44.7 µg/l). Ethylene glycol was not reported to be present at a detection limit of 50,000 µg/l. The complete laboratory report is included in Appendix H.

DISCUSSION

The historical maximum concentrations of TPHg and benzene concentrations reported from soil samples have been found at the former UST excavation in TP-1-N in 1994 [18,000 and 100 mg/kg]). At that time, the laboratory noted that the TPHg pattern represented an aged or weathered gasoline pattern. Concentrations of TPHg and benzene in groundwater from well V-1 located within the UST excavation, demonstrated a typical declining trend between the initial sample event (January 1997) and April 1998. Virtually no rebound of contaminants has been observed in this well (1998 to present). The trends observed in the groundwater samples from V-1 demonstrates that natural attenuation has effectively remediated the contaminants beneath the former USTs (source area) that were existing in 1997, which was already 18 years after Shell left the site.

Historically, SPH was observed in grab groundwater samples obtained from borings B-1, B-5, B-6, and B-9 installed in 1995; but no SPH has been observed in any of the site wells since monitoring began in 1996. Borings were installed near these locations in 2000 which did not contain SPH (B-17 near B-5, B-18 near B-1, and B-19 near B-6 and B-9), which demonstrates a shrinking plume. In addition to TPHg and benzene, the soil and some of the groundwater samples from these locations (and from well MW-4 installed at the same time) also contained fuel oxygenates MTBE and TBA. The presence of these constituents suggests that the source of impact was from a release(s) of gasoline that occurred after Shell ceased operations, since fuel oxygenates were not present in fuel prior to 1979. Thus, either ACME Ambulance or ATW were responsible for the release of gasoline containing fuel oxygenates.

The results of the recent sampling activities reported herein again indicate the presence of fuel oxygenates (DIPE and TBA) in wells MW-4, MW-6, MW-7, and MW-8 (wells MW-5 and V-2 had elevated detection limits). Well V-1 did not contain any fuel oxygenates at standard, minimum detection limits. Again, the presence of fuel oxygenates at this site is evidence of a release (or releases) of gasoline which cannot be attributed to Shell, since they were not included in fuel prior to 1979, when Shell ceased operations at this location.

Significant concentrations of TPHg and benzene are detected in groundwater (and in soil gas, as demonstrated by the soil gas sampling activities performed in 2005) in the northwest corner of the site and along the western property boundary. The rose diagram included on Figures 5 through 9 depicts the historical groundwater flow direction has been consistently to the south, with little variance. The former USTs and dispenser islands operated by Shell were located downgradient of the area containing the current maximum concentrations of TPHg, benzene, and fuel oxygenates. Thus, the impact to these areas likely did not originate from Shell's operations.

The current owner/operator of the auto repair business (ATW) has been operating at this site since 1986. A recent review of the City of Oakland Building Department records indicates that ATW was issued numerous warnings and notices concerning the waste storage and disposal practices and noted areas of oil spillage and stains throughout the 'back area' of the property. The City's records between 1994 and 1998 requested proper storage, labeling, secondary containment, cover from weather, and documentation of disposal of wastes. Based on Cambria's observations at this site over the past several years (photographs in Appendix A), ATW continues poor housekeeping and improper storage of wastes. Further, based on our observation of green liquid in a post hole and the laboratory results showing the presence of ethanol, lead, copper, and zinc in that water (all of which are typical of waste from radiators), it appears that ATW is currently discharging waste to the ground. Thus, discharge to the ground or in drains of various chemicals associated with auto repair (including gasoline) is not out of the question for

this site. The presence of significant concentrations of gasoline with very high percentages of benzene in areas upgradient of Shell's former features and the presence of fuel oxygenates in these areas is consistent with a more recent, and perhaps ongoing, release(s) of product.

Unfortunately, there are no records of the conditions at this site during the removal of the Shell USTs and dispensers circa 1979. Based on aerial photographs, it has been demonstrated that the former Shell USTs were located in the same position as the 2,000-gallon tank installed by ACME. There is no record of any impacted material being encountered during the installation of that UST in 1980. However, documentation of the removal of the 2,000-gallon gasoline UST in October 1994 stated that "strong hydrocarbon odors were observed while removing the overburden surrounding the tank...the material contained a high level of discoloration". This is evidence of either surface spills or overspills associated with the operation of the 2,000-gallon UST. It should be noted that the 2,000-gallon UST did not have overspill protection.

Based on the history of operations at this site, the 28 years since Shell operated, the consistent groundwater flow direction at this site, the presence of significant concentrations of TPHg and benzene in areas upgradient of Shells former features, the documented declining trend and absence of impact currently at V-1, the presence of fuel oxygenates in soil and groundwater at this site, the historical housekeeping and lack of waste disposal record keeping by the current operator, and the confirmed recent discharge of waste to the ground by the current operator, Cambria believes that sufficient evidence exists to support that Shell is not responsible for all of the contamination observed at this site.

RECOMMENDATIONS

Additional activities are necessary to assist with evaluating potential areas of discharge, the approximate age of petroleum at various locations beneath this site, and the presence of other contaminants in the subsurface. To this end, Cambria recommends the following:

- Conduct a site visit to inspect and locate areas of surface staining, possible floor drains within the building, storm drains and other potential points of discharge or preferential pathways (scheduled for April 19, 2006),

- The next monitoring event should include sampling of all site monitoring wells (including MW-1 through MW-3) and the two recently installed offsite monitoring wells at 670 27th Street (MW-14) and 2727-2729 Martin Luther King Jr. Way (MW-12) (report of their installation is pending),

- The next monitoring event scheduled for May 2006 will include analyses for:
    - Full list EPA Method 8260, including TPHg, BTEX, MTBE, DIPE, TAME, TBA, ETBE, lead scavengers (EDB, 1,2-DCA), ethanol,
    - methanol,
    - Full list EPA Method 8270,
    - TTLC metals [cadmium, chromium, nickel, lead, zinc, and copper], and
    - Organic lead.

- Chromatograms and historical data should be referred to expert chemists for forensic evaluation.

Because of the weight of evidence suggesting that Shell may not be responsible for the elevated TPHg and benzene at the northwest corner of the property and along the western property line, Shell has requested that the installation of proposed monitoring wells within 27th Street be temporarily put on hold until the above listed recommendations can be performed.

SCHEDULE

As mentioned above, a site visit is scheduled to occur on **April 19, 2006**. During this visit, Cambria will meet with the surveyor to have various historical boring locations and specific site features tied into the survey for this site in order to prepare a more accurate site map and to identify/locate additional features. A technical report documenting this site visit and the installation of the two offsite wells referenced above (MW-12 and MW-14 on Figure 10), will be submitted to ACEH by **May 31, 2006**. Results of the additional chemical analyses and any forensic evaluation of data will be included in the second quarter monitoring report, due to ACEH on **July 15, 2006**.

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.

Dan Bart
FOR

Bill DeBoer
Staff Geologist

Ana Friel

Ana Friel, P.G.
Project Geologist

Attachments:

Table 1.	Well/Boring Data
Table 2.	Soil Analytical Data
Table 3.	Grab Groundwater Analytical Data

Figure 1.	Site Vicinity Map
Figure 2.	Site Plan and Historical Sample Locations
Figure 3.	Soil Chemical Concentration Map
Figure 4.	Grab Groundwater Chemical Concentration Map
Figure 5.	Groundwater Elevation Contour and Chemical Concentration Map
Figure 6.	TPHg Isoconcentration Contours in Groundwater
Figure 7.	Benzene Isoconcentration Contours in Groundwater
Figure 8.	DIPE Isoconcentration Contours in Groundwater
Figure 9.	TBA Isoconcentration Contours in Groundwater
Figure 10.	Extended Site Plan

Appendix A.	Site Photographs
Appendix B.	Permits
Appendix C.	Exploratory Boring Logs
Appendix D.	Disposal Documentation
Appendix E.	Blaine Tech Services, Inc. – Groundwater Monitoring Report
Appendix F.	Monitoring Well Survey Data
Appendix G.	Certified Analytical Reports – Soil and Groundwater Investigation
Appendix H.	Green Liquid Photos and Laboratory Report

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**	
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	-	-	-	-	
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**	**-**	**-**	**-**	**-**	

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
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 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
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

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)
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
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

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-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
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

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-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

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.

Appendix A

Site Photographs

Appendix B

Permits

Appendix C

Exploratory Boring Logs

Appendix D

Disposal Documentation

Appendix E

Blaine Tech Services, Inc. – Groundwater Monitoring Report

Appendix F

Monitoring Well Survey Data

Appendix G

Certified Analytical Reports

Appendix H

Green Liquid Photos and Laboratory Report

12/11/03

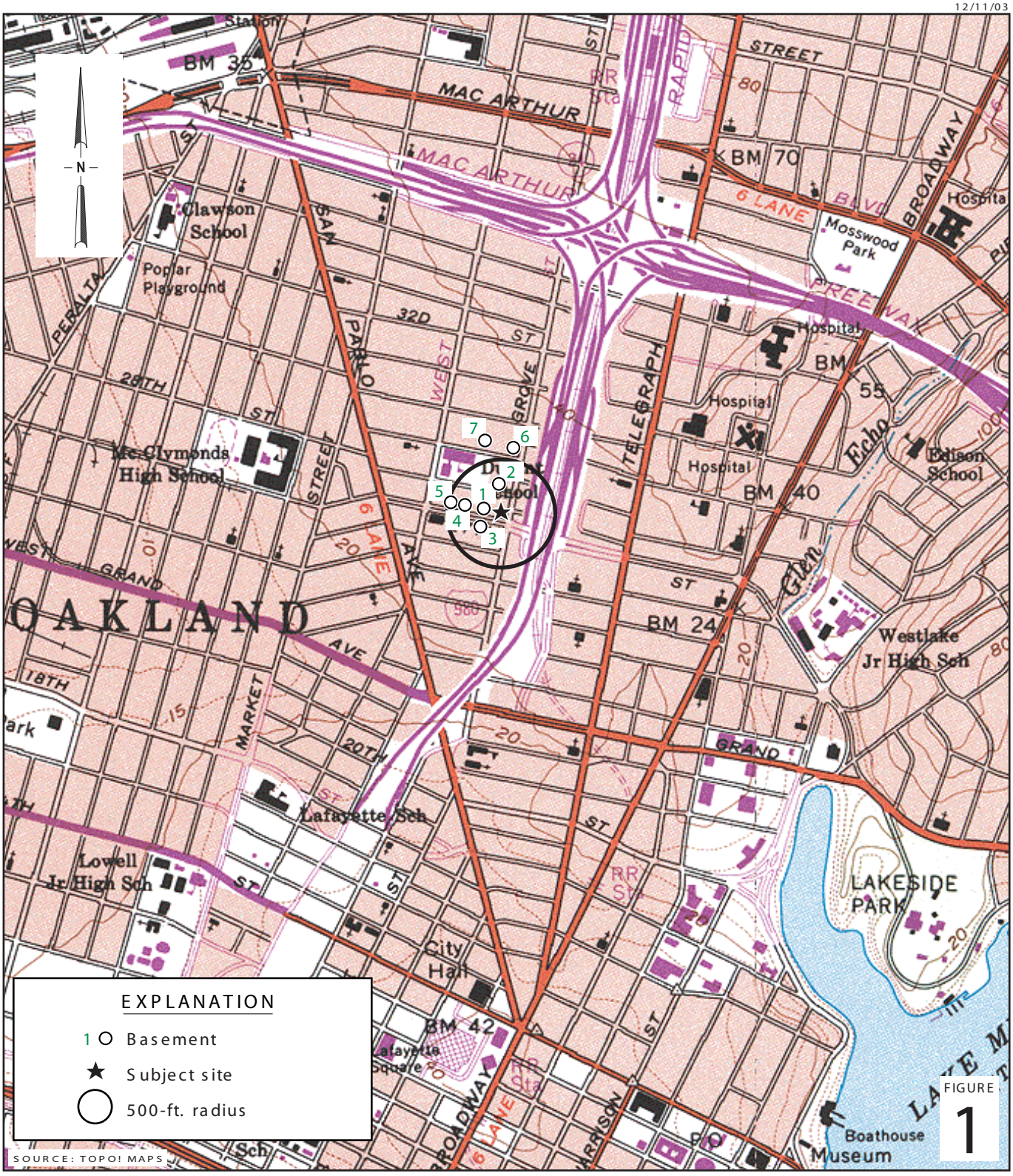


FIGURE 1

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

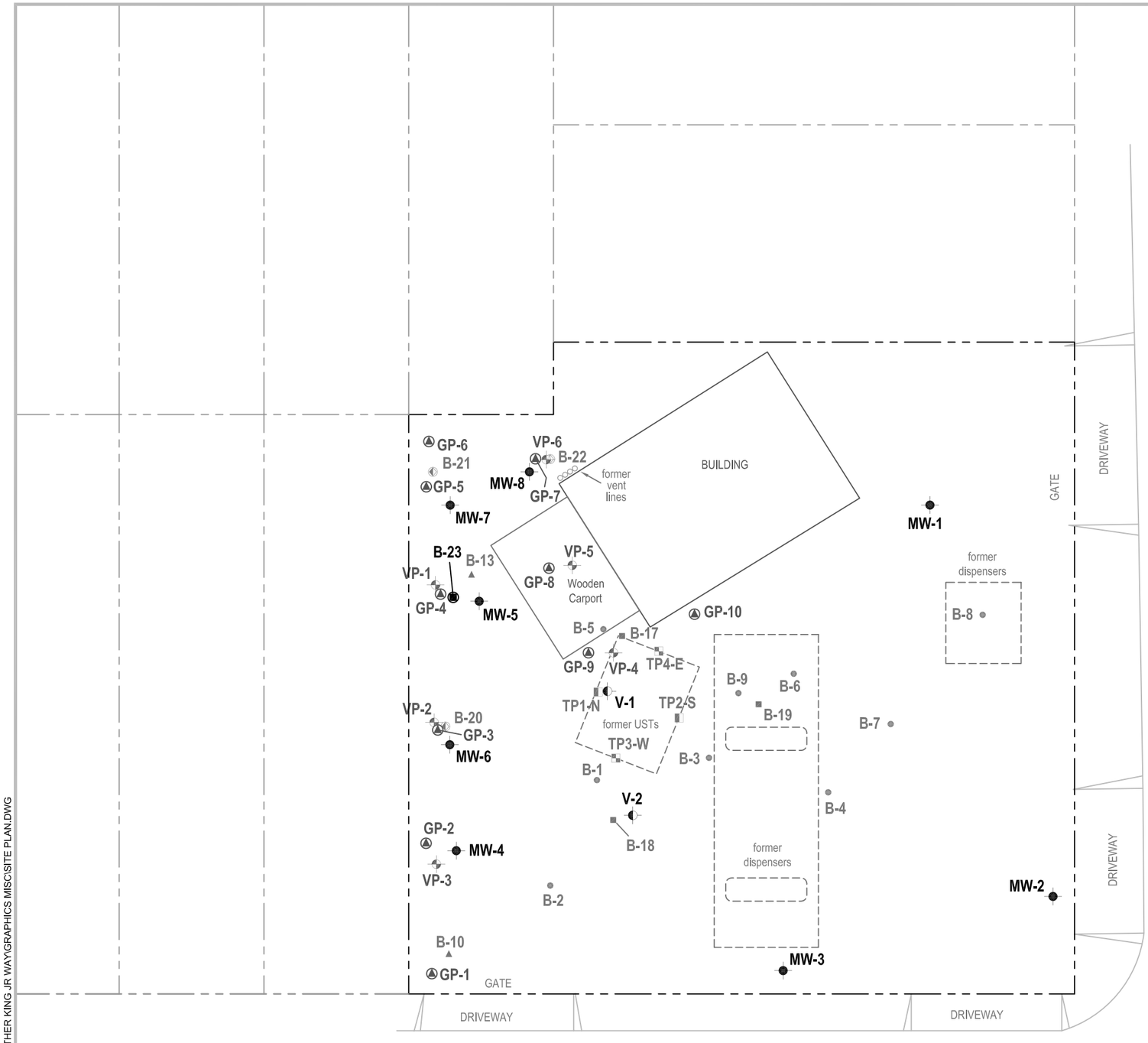
04/11/06

Site Plan and Historical Sample Locations

EXPLANATION

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)
TP1-N	UST excavation samples (10/94)

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



N

0 10 20 40

Scale (ft)

FIGURE

2

Former Shell Service Station

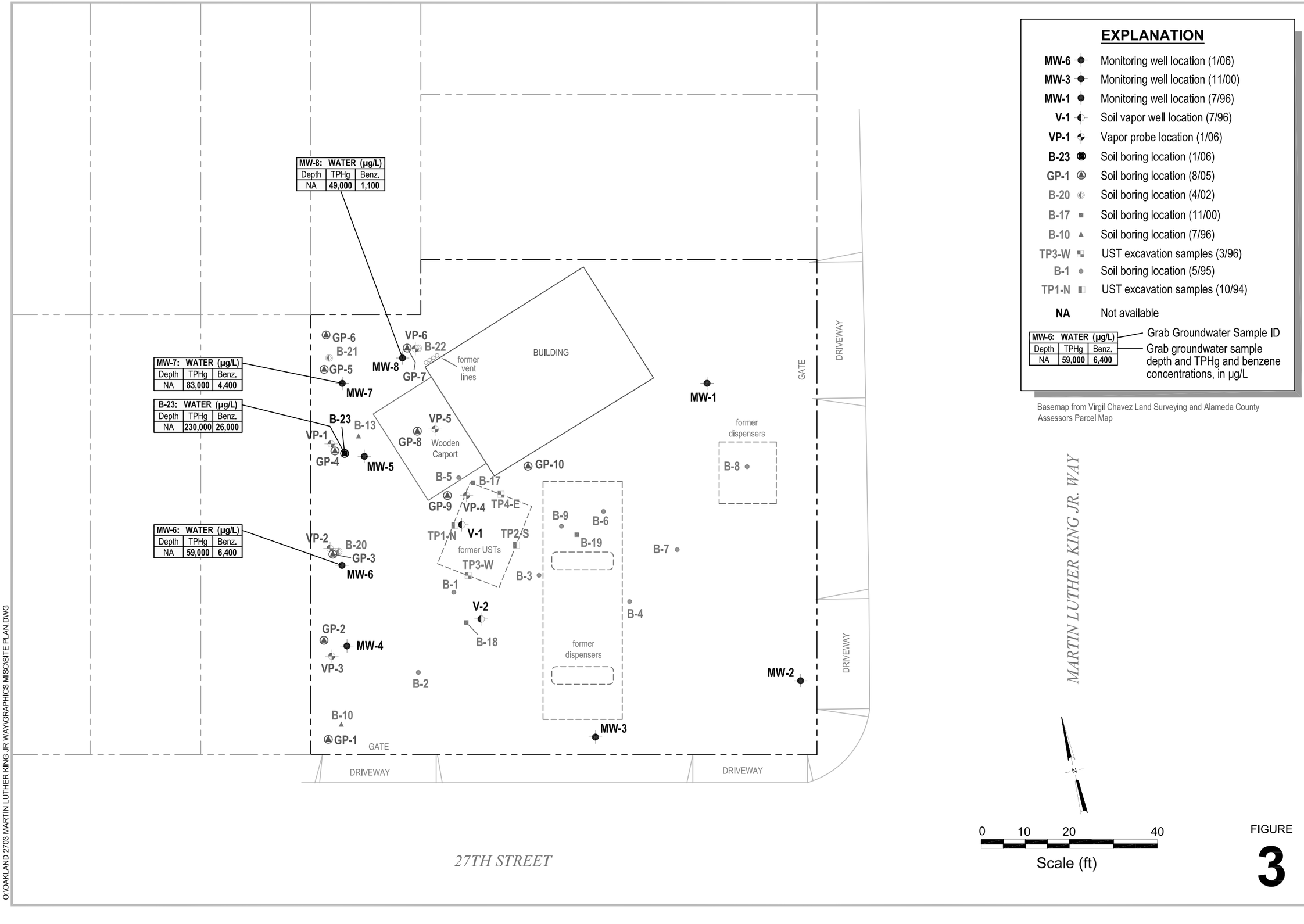
2703 Martin Luther King Jr Way

Oakland, California

CAMBRIA

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

04/11/06



EXPLANATION

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)
TP1-N	UST excavation samples (10/94)
NA	Not available

MW-6: WATER (µg/L)
Depth | TPHg | Benz.
NA | 59,000 | 6,400

Grab Groundwater Sample ID

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

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

Grab Groundwater Chemical Concentration Map

January 3-4, 2006

CAMBRIA

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

FIGURE

3

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

04/11/06

MW-8: SOIL (mg/kg)		
Depth	TPHg	Benz.
6.5'	<1.0	<0.0050
10.5'	**880**	<6.2
19.5'	**19**	**0.63**

MW-7: SOIL (mg/kg)		
Depth	TPHg	Benz.
5.5'	<1.0	<0.0050
11.5'	**7.1**	<0.025
16.5'	**340**	<1.2
19.5'	<1.0	<0.0050

B-23: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.0050
10'	**520**	<6.2
15.5'	**3,800**	**33**
19.5'	**350**	**1.6**

MW-6: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.025
10'	**290**	<1.2
15.5'	**36**	<0.62
19.5'	<1.0	**0.0090**

GP-6 B-21 GP-5 MW-7 VP-6 B-22 MW-8 GP-7 former vent lines BUILDING MW-1 GATE DRIVEWAY

B-23 B-13 VP-1 GP-4 MW-5 VP-5 GP-8 Wooden Carport B-5 B-17 GP-9 VP-4 TP4-E GP-10 former dispensers B-8

B-9 B-6 B-19 TP1-N V-1 TP2-S former USTs TP3-W B-3 B-7 B-1 B-4 V-2 B-18 former dispensers

VP-2 B-20 GP-3 MW-6 GP-2 MW-4 VP-3 B-2 B-10 GP-1 MW-2 MW-3 GATE DRIVEWAY DRIVEWAY DRIVEWAY

27TH STREET

MARTIN LUTHER KING JR. WAY

EXPLANATION

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)
TP1-N	UST excavation samples (10/94)

MW-6: SOIL (mg/kg)		
Depth	TPHg	Benz.
5'	<1.0	<0.025
10'	**290**	<1.2
15.5'	**36**	<0.62
19.5'	<1.0	**0.0090**

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

N

0 10 20 40

Scale (ft)

Soil Chemical Concentration Map

January 3-4, 2006

CAMBRIA

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

FIGURE

4

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

04/11/06

Groundwater Elevation Contour and Chemical Concentration Map

January 11, 2006

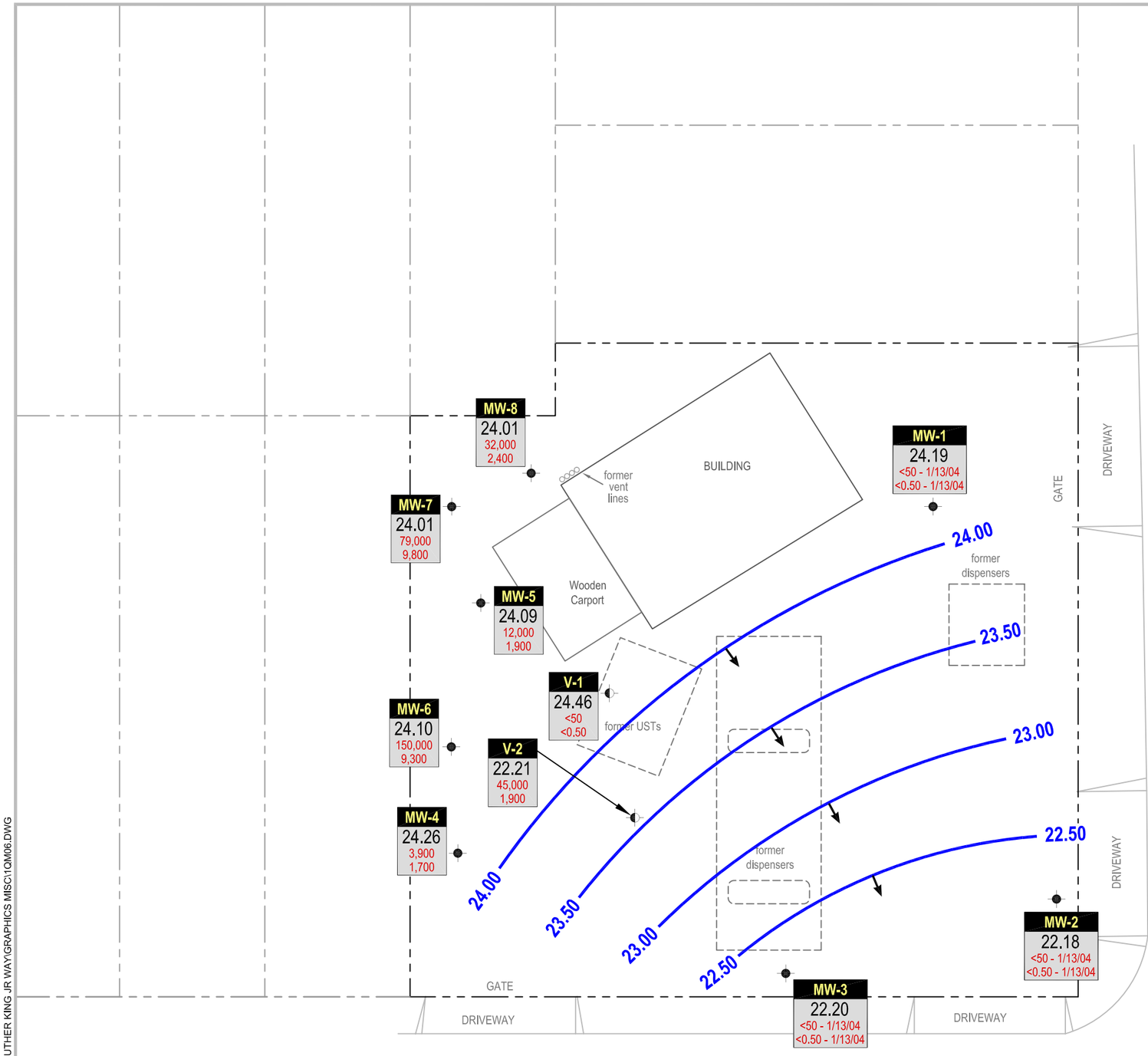
EXPLANATION

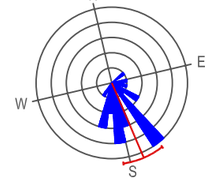
- MW-6 — Monitoring well location (1/06)
- MW-3 — Monitoring well location (11/00)
- MW-1 — Monitoring well location (7/96)
- V-1 — Soil vapor well location (7/96)
- Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well
ELEV
TPHg
Benzene

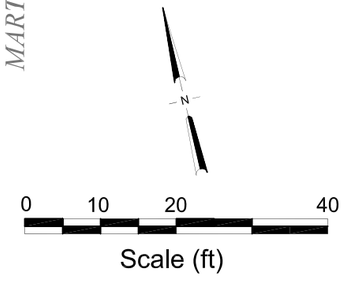
- Well designation
- Groundwater elevation, in feet above msl
- TPHg and benzene concentrations are in parts per billion

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





Groundwater Flow Direction
(2Q00 through 1Q06)



FIGURE

5

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

CAMBRIA

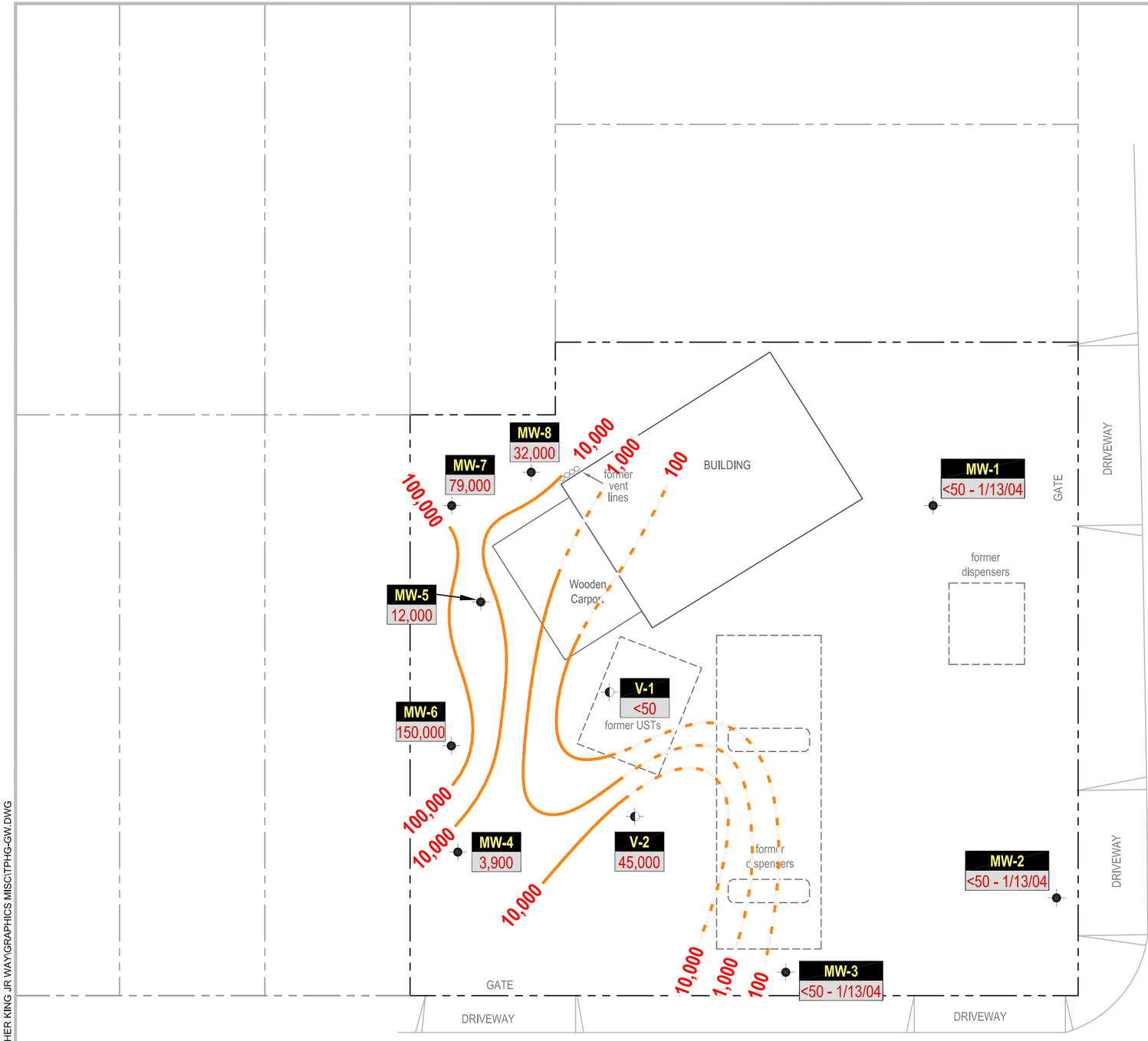
O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\1QM06.DWG

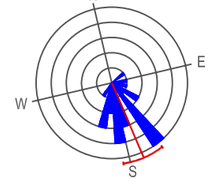
04/11/06

EXPLANATION

- 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)
- 100 — TPHg isoconcentration contour line, in parts per billion (ppb), approximately located, dashed where inferred
- Well / TPHg — Well designation; TPHg concentrations, in ppb

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





Groundwater Flow Direction
(2Q00 through 1Q06)

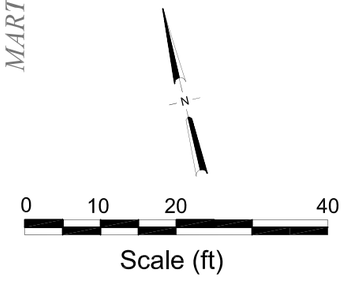


FIGURE
6

TPHg Isoconcentration Contours in Groundwater

January 11, 2006

CAMBRIA

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

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\TPHG-GW.DWG

04/11/06

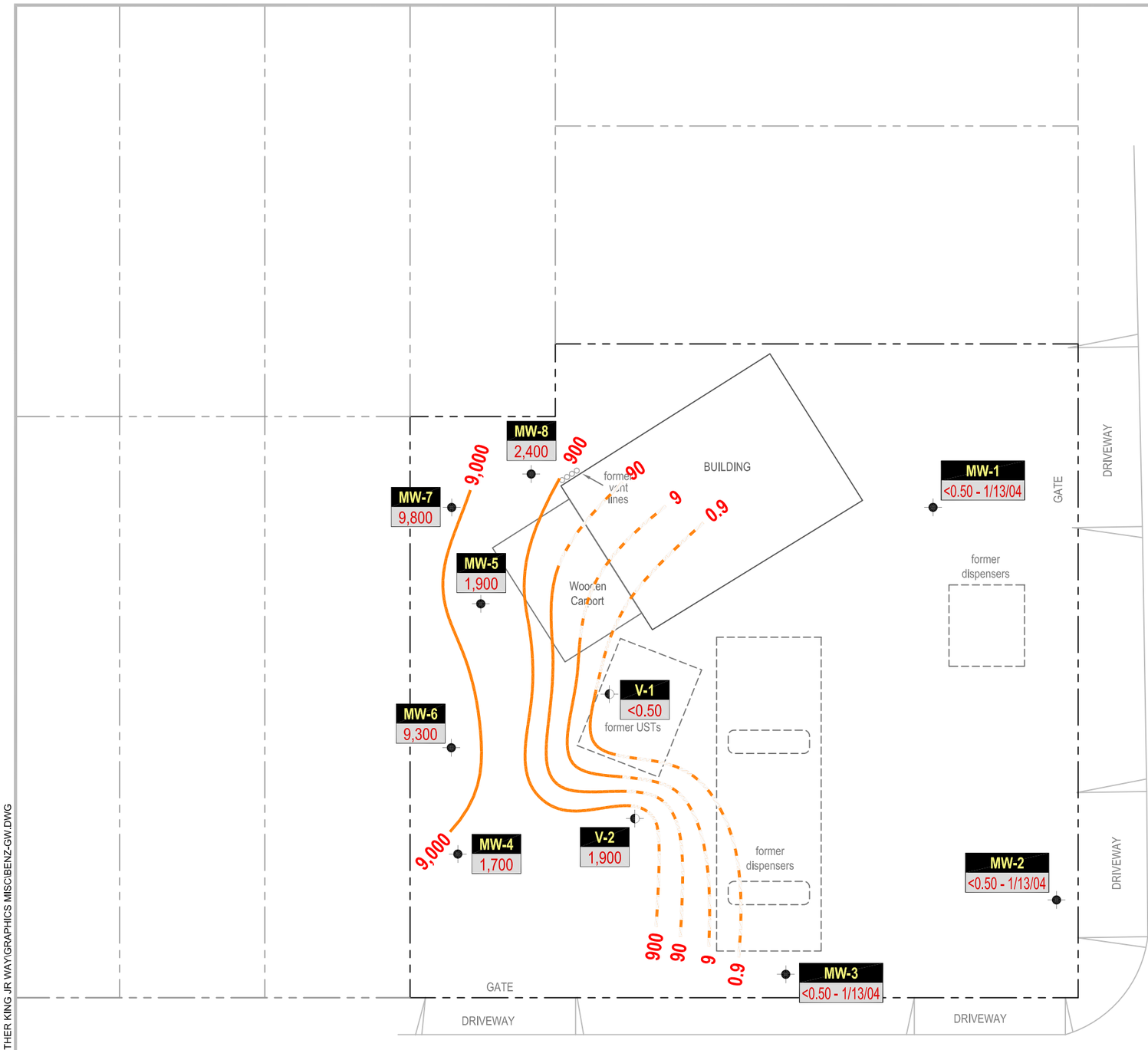
Benzene Isoconcentration Contours in Groundwater

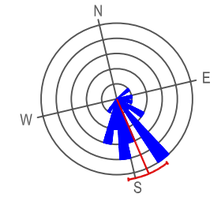
January 11, 2006

EXPLANATION

- 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)
- 90 — Benzene isoconcentration contour line, in parts per billion (ppb), approximately located, dashed where inferred
- Well / Benz. — Well designation; Benzene concentrations, in ppb

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





Groundwater Flow Direction
(2Q00 through 1Q06)

0 10 20 40
Scale (ft)

FIGURE
7

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

CAMBRIA

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\BENZ-GW.DWG

04/11/06

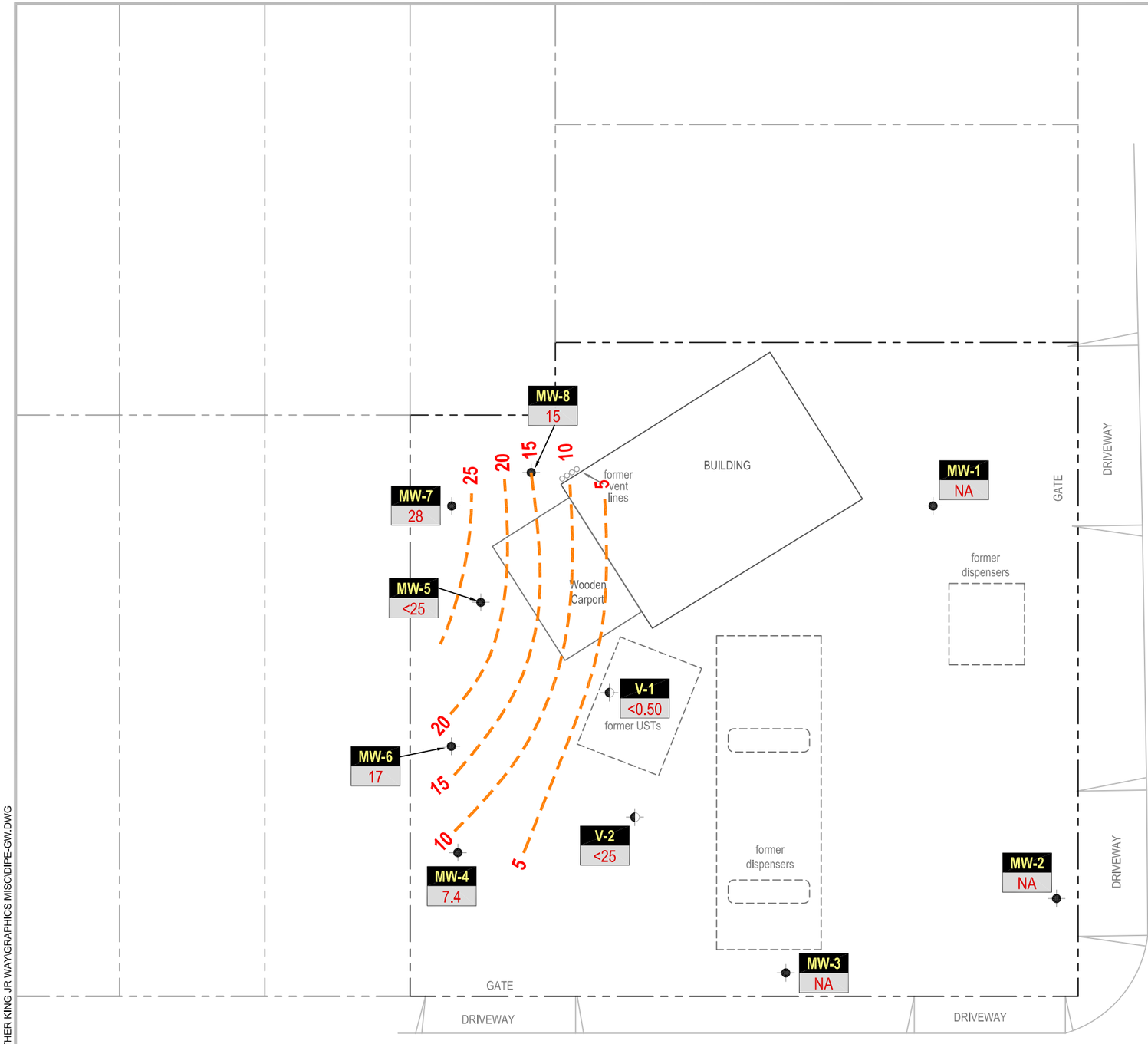
DIPE Isoconcentration Contours in Groundwater

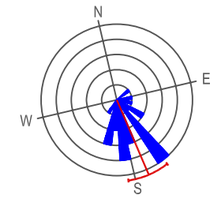
January 11, 2006

EXPLANATION

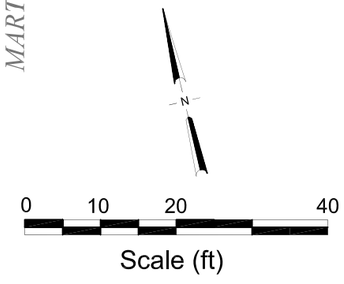
MW-6	Monitoring well location (1/06)
MW-3	Monitoring well location (11/00)
MW-1	Monitoring well location (7/96)
V-1	Soil vapor well location (7/96)
NA	Not available/not analyzed
25	DIPE isoconcentration contour line, in parts per billion (ppb), approximately located, dashed where inferred
Well / DIPE	Well designation / DIPE concentrations, in ppb

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





Groundwater Flow Direction
(2Q00 through 1Q06)



FIGURE

8

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

CAMBRIA

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\DIPE-GW.DWG

04/11/06

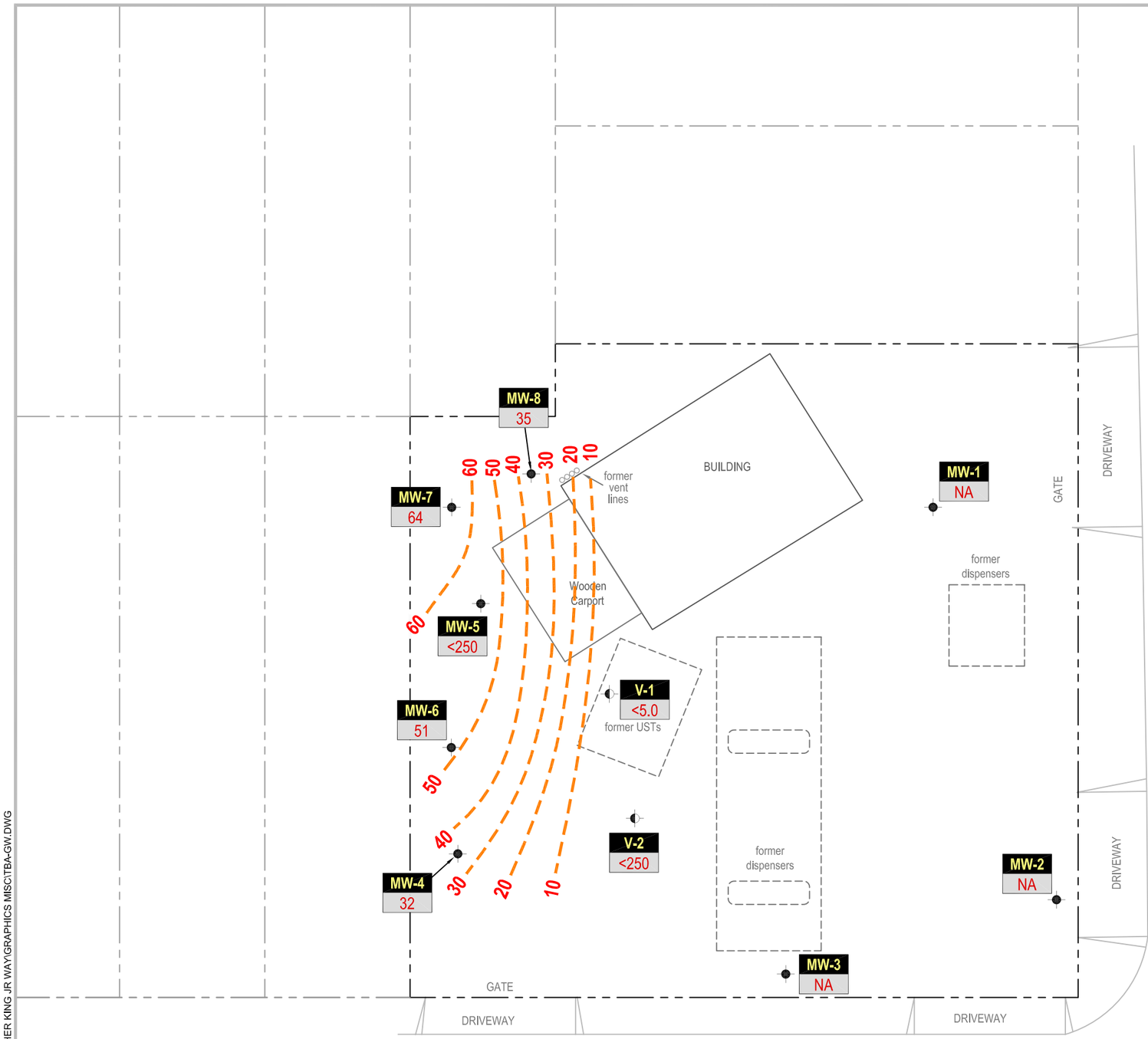
EXPLANATION

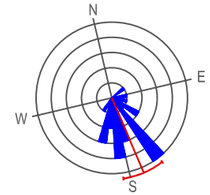
MW-6	Monitoring well location (1/06)
MW-3	Monitoring well location (11/00)
MW-1	Monitoring well location (7/96)
V-1	Soil vapor well location (7/96)
NA	Not available/not analyzed
60	TBA isoconcentration contour line, in parts per billion (ppb), approximately located, dashed where inferred
Well / TBA	Well designation / TBA concentrations, in ppb

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

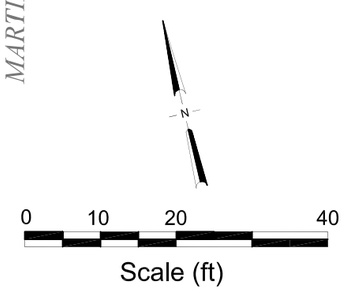
TBA Isoconcentration Contours in Groundwater

January 11, 2006





Groundwater Flow Direction
(2Q00 through 1Q06)



FIGURE

9

Former Shell Service Station

2703 Martin Luther King Jr Way
Oakland, California

CAMBRIA

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\GRAPHICS MISC\TBA-GW.DWG

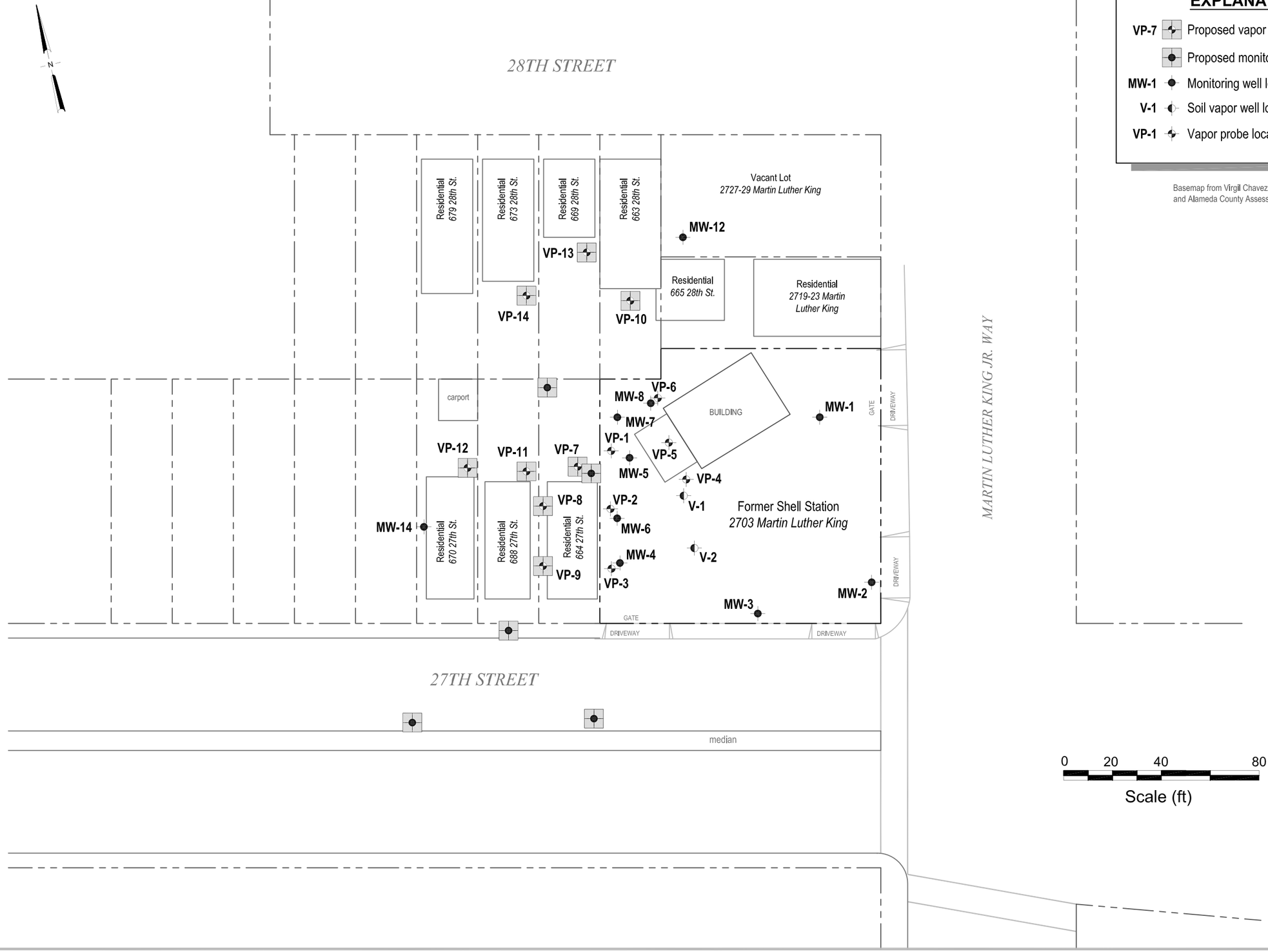
04/11/06

Extended Site Plan

EXPLANATION

- VP-7 — Proposed vapor probe location
- Proposed monitoring well location
- MW-1 — Monitoring well location
- V-1 — Soil vapor well location
- VP-1 — Vapor probe location

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



FIGURE

10

Former Shell Service Station

2703 Martin Luther King Jr Way

Oakland, California

CAMBRIA

O:\OAKLAND 2703 MARTIN LUTHER KING JR WAY\FIGURES\EXT-SITE PLAN.DWG

Appendix A

Site Photographs


MW-5


PENNZOIL
ARCO


TUNE UPS·BRAKES·


SOY SAUCE

Appendix B

Permits

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 11/23/2005 By jamesy
Permits Issued: W2005-1128 to W2005-1129

Receipt Number: WR2005-2213
Permits Valid from 01/03/2006 to 01/04/2006

Application Id: 1132787097807
Site Location: 2703 MLK Way, Oakland, CA 94609
Project Start Date: 01/03/2006

City of Project Site: Oakland

Completion Date: 01/04/2006

Applicant: Cambria - Bill De Boer
5900 Hollis St., #A, Emeryville, CA 94608
Phone: 510-420-3369

Property Owner: Shell Oil Products Company (US)
20945 Wilmignton, Carson, CA 94608
Phone: --

Client: ** same as Property Owner **

Total Due: $600.00
Total Amount Paid: $600.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: $600.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2005-1128	11/23/2005	04/03/2006	MW6	10.00 in.	4.00 in.	0.50 ft	20.00 ft
W2005-1129	11/23/2005	04/03/2006	MW7	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.

Alameda County Public Works Agency - Water Resources Well Permit

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

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

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

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

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

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 12/15/2005 By jamesy
Permits Issued: W2005-1191 to W2005-1192

Receipt Number: WR2005-2250
Permits Valid from 01/03/2006 to 01/06/2006

Application Id: 1134694746448
Site Location: 2703 Martin Luther King JR Way
Project Start Date: 01/03/2006

City of Project Site: Oakland

Completion Date: 01/06/2006

Applicant: Cambria Environmental - Bill Deboer
5900 Hollos Street, Emeryville, CA 94608
Phone: 510-420-3369

Property Owner: Shell Oil Products Co
20945 Wilmington, Carson, CA 90810
Phone: --

Client: ** same as Property Owner **

Contact: Bill Deboer
Phone: --
Cell: 510-385-0299

Total Due: $500.00
Total Amount Paid: $500.00
Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 1 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger

Work Total: $300.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2005-1191	12/15/2005	04/03/2006	MW-8	10.00 in.	4.00 in.	0.50 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 Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

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

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

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

Borehole(s) for Investigation-Contamination Study - 7 Boreholes
Driller: Gregg Drilling-VP-1 to VP-6 at 6ft. & B-23 at 20ft. - Lic #: 485165 - Method: auger **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2005-1192	12/15/2005	04/03/2006	7	10.00 in.	20.00 ft

Specific Work Permit Conditions

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

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

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

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

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

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

Appendix C

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**	B-23
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	03-Jan-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	03-Jan-06
PROJECT NUMBER	247-0781-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	Not Surveyed
BORING DIAMETER	8"	**SCREENED INTERVALS**	NA
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	13.5 fbg (03-Jan-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	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
					GP		**ASPHALT**	0.2	
							GRAVEL with Silt (FILL)(GP); pale brown; moist; 40% silt, 10% fine sand, 50% medium gravel; low plasticity.	1.0	
							Clayey SILT(ML); dark greenish gray; moist; 35% clay, 65% silt; moderate plasticity.		
0		B-23-5		5	ML				
90		B-23-10		10			**Sandy SILT with Gravel**(ML); brown; moist; 65% silt, 20% fine sand, 15% medium gravel; moderate plasticity.	10.0	◄ Portland Type I/II
					SM		**Silty SAND**(SM); light greenish brown; moist; 20% silt, 80% medium sand.	11.5	
							▽	13.5	
					GP		**GRAVEL with Sand**(GP); light brown; wet; 30% coarse sand, 70% coarse angular gravel.	14.0	
					ML		**Sandy SILT with Gravel**(ML); brown; moist; 65% silt, 20% fine sand, 15% medium gravel; moderate plasticity.	15.0	
135		B-23-15.5		15	SP		**SAND** (SP); light brown; wet; 90% medium sand, 10% medium gravel.	16.0	
					ML		**Sandy SILT with Gravel**(SM); greenish gray and brown; moist; 65% silt, 20% fine sand, 15% medium gravel; moderate plasticity.		
112		B-2-1 9.5		20				20.0	Bottom of Boring @ 20 fbg

WELL LOG (PID) G:\OAKLAND 2703 MARTIN LUTHER KING JR\FIGURES\GINT\OAKL2703.GPJ DEFAULT.GDT 2/24/06

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-6
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	04-Jan-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	04-Jan-06
PROJECT NUMBER	247-0781-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	29.24 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	28.60 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	5 to 20 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	13.5 fbg (04-Jan-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	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					GP		**ASPHALT**	0.2
							GRAVEl with Silt (FILL)(GP); pale brown; moist; 40% silt, 10% fine sand, 50% medium gravel; low plasticity.	1.0
							SILT with Sand and Grave(ML); dark greenish gray; moist; 15% clay, 55% silt, 15% fine sand, 15% medium gravel.	
9		MW-6- 5		5	ML			
29		MW-6- 10		10				
								11.5
					SM		**Silty SAND**(SM); dark greenish brown; moist; 10% clay, 25% silt, 65% fine to medium sand; low plasticity.	
							▽	13.5
							Silty SAND(SM); greenish brown; wet; 20% silt, 65% medium sand, 15% medium gravel.	14.5
					GM		**Silty GRAVEL with Sand**(GM); gray brown; wet; 30% silt, 30% medium sand, 40% medium angular gravel.	15.0
554		MW-6- 15.5		15	SM		**Silty SAND**(SM); greenish brown; wet; 20% silt, 65% medium sand, 15% medium gravel.	17.0
					ML		**SILT** (ML); medium brown; moist; 10% clay, 90% silt; medium plasticity.	
15		MW-6- 19.5		20				20.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC
- Bottom of Boring @ 20 fbg

WELL LOG (PID) G:\OAKLAND 2703 MARTIN LUTHER KING JR\FIGURES\GINTOAKL2703.GPJ DEFAULT.GDT 2/24/06

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	04-Jan-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	04-Jan-06
PROJECT NUMBER	247-0781-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	30.10 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	29.71 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	5 to 20 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	12.5 fbg (04-Jan-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	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					GP		**ASPHALT**	0.2
							GRAVEl with Silt (FILL)(GP); pale brown; moist; 40% silt, 10% fine sand, 50% medium gravel; low plasticity.	1.0
							SILT (ML); dark brown to black; moist; 25% clay, 75% silt; medium plasticity.	
				5				
10		MW-7- 5.5			ML			
				10				
								11.5
11		MW-7- 11.5			SM		**Silty SAND with Gravel**(SM); light brown; moist to wet; 15% silt, 60% medium sand, 25% medium gravel. ▽	13.0
					GM		**Silty GRAVEL with Sand**(GM); light brown; wet; 15% silt, 25% medium sand, 65% medium gravel.	13.5
				15	ML		**SILT with Gravel**(ML); light brown; moist; 20% clay, 70% silt, 10% medium gravel; medium plasticity.	
								16.0
360		MW-7- 16.5			SM		**Silty SAND with Gravel**(SM); light brown with green; wet; 15% silt, 65% fine sand, 20% medium gravel.	
								19.0
59		MW-7- 19.5		20	ML		**Sandy SILT**(ML); medium brown; moist; 70% silt, 30% fine to medium sand; medium plasticity.	20.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC
- Bottom of Boring @ 20 fbg

WELL LOG (PID) G:\OAKLAND 2703 MARTIN LUTHER KING JR\FIGURES\GINT\OAKL2703.GPJ DEFAULT.GDT 2/24/06

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-8
JOB/SITE NAME	2703 Martin Luther King Jr. Way	**DRILLING STARTED**	03-Jan-06
LOCATION	Oakland, California	**DRILLING COMPLETED**	03-Jan-06
PROJECT NUMBER	247-0781-007	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	30.10 ft above msl
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	29.54 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVALS**	5 to 20 fbg
LOGGED BY	B. DeBoer	**DEPTH TO WATER (First Encountered)**	12.0 fbg (03-Jan-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	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)
					GP		**ASPHALT**	0.2
							GRAVEL with Silt (FILL)(GP); pale brown; moist; 40% silt, 10% fine sand, 50% medium gravel; low plasticity.	1.0
							SILT (ML); greenish gray; moist; 20% clay, 70% silt, 10% fine sand; medium plasticity.	
				5	ML			
0.2		MW-8- 6.5						
				10				10.0
37		MW-8- 10.5			GP		**Silty GRAVEL with Sand**(GP); 15% silt, 15% fine sand, 60% medium gravel. ▽	
							GRAVEL with Silt and Sand(GP); medium brown with green; wet; 10% silt, 30% fine sand, 60% medium gravel.	13.5
				15	SP		**SAND with Gravel**(SP); medium brown; wet; 80% coarse sand, 20% medium gravel.	14.5
								19.0
116		MW-8- 19.5		20	ML		**SILT with Sand**(ML); light brown; moist; 15% clay, 70% silt, 15% medium sand; medium plasticity.	20.0

WELL DIAGRAM

- Portland Type I/II Cement
- Bentonite Seal
- Monterey Sand #2/12
- 4"-diam., 0.020" Slotted Schedule 40 PVC
- Bottom of Boring @ 20 fbg

WELL LOG (PID) G:\OAKLAND 2703 MARTIN LUTHER KING JR\FIGURES\GINTOAKL2703.GPJ DEFAULT.GDT 2/24/06

Appendix D

Disposal Documentation

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

Disposal Confirmation

Request for Transportation Received 02/01/2006

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 #	50582
SAP # / Location	NA
Incident #	97093397
Location / WIC #	NA
Environmental Engineer	Denis Brown
Material Description	Soil
Estimated Quantity	~3 Cy
Service Requested Date	ASAP
Disposal Facility	Forward Landfill
Contact:	Scott
Phone	800 204-4242
Approval #	6126
Date of Disposal	02/14/2006
Actual Tonnage	3.60 tons
Transporter.	Manley & Sons Trucking, Inc
Contact	Jennifer Rogers
Phone.	916 381-6864
Fax	916 381-1573
Invoice	200602-10
Date of Invoice:	02/15/2006

Appendix E

Blaine Tech Services, Inc. – Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 20, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2006 Groundwater Monitoring at
Former Shell-Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Monitoring performed on January 9 and 11, 2006

Groundwater Monitoring Report **060111-MT-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

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

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

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (B-11)	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.76	14.77	NA
MW-1 (B-11) (D)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.88	13.65	NA
MW-1 (B-11)	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	6.82	16.71	NA
MW-1 (B-11)	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.89	15.64	NA
MW-1 (B-11)	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.71	14.82	NA
MW-1 (B-11)	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.26	14.27	NA
MW-1 (B-11)	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.94	15.59	NA
MW-1 (B-11)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.21	16.32	NA
MW-1 (B-11)	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.78	15.75	NA
MW-1 (B-11)	10/01/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.39	15.14	NA
MW-1 (B-11)	01/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	NA	NA	NA	NA	NA	23.53	8.28	15.25	NA
MW-1 (B-11)	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.41	15.12	NA
MW-1 (B-11)	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.17	15.36	NA
MW-1 (B-11)	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	23.53	9.37	14.16	NA
MW-1 (B-11)	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.52	16.01	NA
MW-1 (B-11)	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.66	15.87	NA
MW-1 (B-11)	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.81	15.72	NA
MW-1 (B-11)	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.83	15.70	NA
MW-1 (B-11)	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	8.60	14.93	NA
MW-1	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	9.01	14.52	0.2
MW-1	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.68	15.85	2.1
MW-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.38	16.15	1.1

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.75	15.78	2.2
MW-1	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	8.10	21.43	1.6
MW-1	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	7.82	21.71	0.6
MW-1	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	29.53	7.76	21.77	1.7
MW-1	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	7.87	21.66	1.5
MW-1	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.67	20.86	0.8
MW-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.28	21.25	NA
MW-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.50	21.03	1.1
MW-1	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.98	21.55	NA
MW-1	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.30	21.23	NA
MW-1	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.27	21.26	NA
MW-1	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	6.92	22.61	NA
MW-1	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.18	22.35	NA
MW-1	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.43	22.10	NA
MW-1	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.55	21.98	NA
MW-1	**01/11/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.53**	**5.35**	**24.18**	**NA**
MW-2 (B-12)*	07/17/1996	<50	<0.50	0.69	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.35	14.12	NA
MW-2 (B-12)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.32	13.15	NA
MW-2 (B-12) (D)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.80	15.67	NA
MW-2 (B-12) (D)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.81	14.66	NA
MW-2 (B-12)*	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.27	14.20	NA
MW-2 (B-12)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.12	13.35	NA

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MW-2 (B-12)*	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	NA	NA	NA	NA	NA	22.47	7.41	15.06	NA
MW-2 (B-12)*	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.59	15.88	NA
MW-2 (B-12)*	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.49	14.98	NA
MW-2 (B-12)*	10/01/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	NA	NA	NA	NA	NA	22.47	8.58	13.89	NA
MW-2 (B-12)*	01/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	NA	NA	NA	NA	NA	22.47	8.68	13.79	NA
MW-2 (B-12)*	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.62	13.85	NA
MW-2 (B-12)*	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.43	15.04	NA
MW-2 (B-12)*	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.47	9.00	13.47	NA
MW-2 (B-12)*	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.15	14.32	NA
MW-2 (B-12)*	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.04	15.43	NA
MW-2 (B-12)*	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.13	15.34	NA
MW-2 (B-12)*	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.78	13.69	NA
MW-2 (B-12)*	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.33	14.14	NA
MW-2 (B-12)*	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.24	15.23	NA
MW-2 (B-12)*	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	8.55	13.92	NA
MW-2	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	9.42	13.05	NA
MW-2	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.23	15.24	NA
MW-2	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	6.90	15.57	NA
MW-2	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.97	14.50	NA
MW-2	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	8.62	19.85	NA
MW-2	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	7.08	21.39	NA
MW-2	04/17/2003	<50	<0.50	<0.50	0.98	2.5	NA	<5.0	NA	NA	NA	NA	28.47	6.94	21.53	NA
MW-2	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	8.10	20.37	NA
MW-2	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	9.09	19.38	NA
MW-2	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	7.28	21.19	NA
MW-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.99	19.48	2.8

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MW-2	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.88	21.59	NA
MW-2	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.28	20.19	NA
MW-2	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.43	20.04	NA
MW-2	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.52	21.95	NA
MW-2	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.38	22.09	NA
MW-2	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	7.73	20.74	NA
MW-2	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.47	20.00	NA
MW-2	**01/11/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.47**	**6.30**	**22.17**	**NA**
MW-3	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.30	7.16	15.14	NA
MW-3	05/03/2001	<100	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.28	15.02	NA
MW-3	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	8.45	13.85	NA
MW-3	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	9.44	12.86	NA
MW-3	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	5.88	16.42	NA
MW-3	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	6.68	15.62	NA
MW-3	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.63	14.67	NA
MW-3	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	8.56	19.74	NA
MW-3	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	6.95	21.35	NA
MW-3	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	28.30	6.77	21.53	NA
MW-3	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.92	20.38	NA
MW-3	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	9.12	19.18	NA
MW-3	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.21	21.09	NA
MW-3	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	9.00	19.30	0.6
MW-3	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.65	21.65	NA
MW-3	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.24	20.06	NA
MW-3	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.50	19.80	NA

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MW-3	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.32	21.98	NA
MW-3	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.05	22.25	NA
MW-3	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.65	20.65	NA
MW-3	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.31	19.99	NA
MW-3	**01/11/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.30**	**6.10**	**22.20**	**NA**
MW-4	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.51	7.05	15.46	NA
MW-4	05/03/2001	8,000	3,500	24	37	350	NA	<200	NA	NA	NA	NA	22.51	6.66	15.85	NA
MW-4	07/09/2001	16,000	4,100	32	890	790	NA	<200	NA	NA	NA	NA	22.51	8.28	14.23	NA
MW-4	10/18/2001	12,000	3,300	<20	430	220	NA	<200	NA	NA	NA	NA	22.51	9.40	13.11	NA
MW-4	01/24/2002	5,500	1,200	<5.0	280	240	NA	<50	NA	NA	NA	NA	22.51	5.73	16.78	NA
MW-4	04/04/2002	2,000	350	1.4	13	7.8	NA	<10	NA	NA	NA	NA	22.51	5.62	16.89	NA
MW-4	07/18/2002	3,400	440	1.3	200	98	NA	<5.0	NA	NA	NA	NA	22.51	6.94	15.57	NA
MW-4	10/21/2002	16,000	3,100	11	1,200	970	NA	<5.0	NA	NA	NA	NA	28.51	8.04	20.47	NA
MW-4	01/21/2003	3,600	720	3.9	110	58	NA	<25	NA	NA	NA	NA	28.51	6.10	22.41	NA
MW-4	04/17/2003	3,700	810	<5.0	140	17	NA	<50	NA	NA	NA	NA	28.51	5.97	22.54	NA
MW-4	07/22/2003	3,700	450	<2.5	110	7.9	NA	<2.5	NA	NA	NA	NA	28.51	6.37	22.14	NA
MW-4	10/20/2003	11,000 c	2,500	<20	550	95	NA	<20	NA	NA	NA	NA	28.51	8.99	19.52	NA
MW-4	01/13/2004	6,600	1,500	<10	41	37	NA	<10	NA	NA	NA	NA	28.51	6.67	21.84	NA
MW-4	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.51	8.80	19.71	0.3
MW-4	04/01/2004	9,500	2,100	12	170	30	NA	NA	NA	NA	NA	NA	28.51	6.28	22.23	0.1
MW-4	07/13/2004	12,000	3,600	39	160	58	NA	<25	<100	<100	<100	<250	28.51	8.20	20.31	0.1
MW-4	10/26/2004	11,000	2,800	<25	100	<50	NA	NA	NA	NA	NA	NA	28.51	8.00	20.51	0.6
MW-4	01/13/2005	12,000	2,200	14	110	43	NA	NA	NA	NA	NA	NA	28.51	6.03	22.48	0.1
MW-4	04/28/2005	8,600	2,300	27	200	49	NA	NA	NA	NA	NA	NA	28.51	5.93	22.58	3.71
MW-4	08/01/2005	11,000	3,900	57	180	47	NA	<10	<40	<40	<40	<100	28.51	6.20	22.31	NA d

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MW-4	10/05/2005	9,400	3,300	45	88	33	NA	NA	NA	NA	NA	NA	28.51	8.22	20.29	2.76
MW-4	**01/11/2006**	**3,900 f**	**1,700 f**	**14**	**95**	**78**	**NA**	**<0.50**	**7.4**	**<0.50**	**<0.50**	**32**	**28.51**	**4.25**	**24.26**	**0.6**
MW-5	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.54	7.36	16.18	NA
MW-5	05/03/2001	160,000	12,000	20,000	3,600	23,000	NA	<500	NA	NA	NA	NA	23.54	7.77	15.77	NA
MW-5	07/09/2001	130,000	11,000	19,000	4,500	22,000	NA	<500	NA	NA	NA	NA	23.54	9.32	14.22	NA
MW-5	10/18/2001	120,000	12,000	23,000	4,200	21,000	NA	<500	NA	NA	NA	NA	23.54	9.39	14.15	0.5
MW-5	01/24/2002	34,000	3,300	3,300	960	6,000	NA	<100	NA	NA	NA	NA	23.54	7.05	16.49	4.0
MW-5	04/04/2002	32,000	2,100	2,800	730	6,400	NA	<200	NA	NA	NA	NA	23.54	6.89	16.65	1.0
MW-5	07/18/2002	75,000	7,500	4,700	2,700	15,000	NA	<500	NA	NA	NA	NA	23.54	8.48	15.06	1.2
MW-5	10/21/2002	140,000	13,000	18,000	4,000	26,000	NA	<500	NA	NA	NA	NA	29.54	9.21	20.33	1.1
MW-5	01/21/2003	47,000	6,400	3,500	370	8,300	NA	<500	NA	NA	NA	NA	29.54	7.23	22.31	0.8
MW-5	04/17/2003	93,000	9,700	16,000	3,200	20,000	NA	<500	NA	NA	NA	NA	29.54	6.61	22.93	0.8
MW-5	07/22/2003	110,000	9,500	15,000	560	23,000	NA	<50	NA	NA	NA	NA	29.54	8.68	20.86	1.2
MW-5	10/20/2003	88,000	6,600	12,000	1,900	16,000	NA	<50	NA	NA	NA	NA	29.54	9.71	19.83	0.1
MW-5	01/13/2004	4,600	460	140	<10	930	NA	<10	NA	NA	NA	NA	29.54	7.30	22.24	NA
MW-5	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	9.51	20.03	0.3
MW-5	04/01/2004	70,000	7,900	11,000	2,100	17,000	NA	NA	NA	NA	NA	NA	29.54	6.80	22.74	0.1
MW-5	07/13/2004	66,000	5,900	10,000	1,900	16,000	NA	<50	<200	<200	<200	<500	29.54	9.28	20.26	0.1
MW-5	10/26/2004	6,600	670	110	7.4	2,000	NA	NA	NA	NA	NA	NA	29.54	8.75	20.79	0.8
MW-5	01/13/2005	9,500	1,300	950	360	1,900	NA	NA	NA	NA	NA	NA	29.54	5.87	23.67	6.3
MW-5	04/28/2005	17,000	2,400	1,200	320	3,400	NA	NA	NA	NA	NA	NA	29.54	6.32	23.22	3.54
MW-5	08/01/2005	70,000	6,600	11,000	3,400	17,000	NA	<50	<200	<200	<200	<500	29.54	8.27	21.27	NA d
MW-5	10/05/2005	93,000	8,600	15,000	4,500	23,000	NA	NA	NA	NA	NA	NA	29.54	9.12	20.42	1.43
MW-5	**01/11/2006**	**12,000**	**1,900**	**550**	**2,400**	**3,800**	**NA**	**<25**	**<25**	**<25**	**<25**	**<250**	**29.54**	**5.52**	**24.02**	**0.6**

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	**01/09/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**4.18**	**NA**	**NA**
MW-6	**01/11/2006**	**150,000**	**9,300**	**1,600**	**5,100**	**24,000**	**NA**	**<2.5 f**	**17 f**	**<2.5 f**	**<2.5 f**	**51 f**	**NA**	**4.50**	**NA**	**3.6**
MW-7	**01/09/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.50**	**NA**	**NA**
MW-7	**01/11/2006**	**79,000**	**9,800**	**1,800**	**1,900**	**20,000**	**NA**	**<5.0 f**	**28 f**	**<5.0 f**	**<5.0 f**	**64 f**	**NA**	**5.70**	**NA**	**1.0**
MW-8	**01/09/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.56**	**NA**	**NA**
MW-8	**01/11/2006**	**32,000**	**2,400**	**180**	**66**	**5,500**	**NA**	**<0.50 f**	**15 f**	**<0.50 f**	**<0.50 f**	**35 f**	**NA**	**5.53**	**NA**	**0.8**
B-10 *	07/17/1996	20,000	400	<100	<100	870	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-13*	07/17/1996	290,000	34,000	21,000	9,900	47,000	<2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
V-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	08/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	8.58	14.68	NA
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	NA
V-1	01/16/1997	9,500	1,200	250	280	880	<50	NA	NA	NA	NA	NA	23.26	5.55	17.71	NA
V-1	04/07/1997	2,200	42	<5.0	130	15	<25	NA	NA	NA	NA	NA	23.26	7.40	15.86	NA
V-1	07/02/1997	2,600	340	5.8	49	12	74	<4.0	NA	NA	NA	NA	23.26	8.94	14.32	NA
V-1	10/24/1997	57,000	5,200	2,300	3,600	16,000	1,900	<200	NA	NA	NA	NA	23.26	9.43	13.83	NA
V-1	01/09/1998	23,000	2,400	1,700	1,300	2,300	310	NA	NA	NA	NA	NA	23.26	6.81	16.45	NA
V-1 (D)	01/09/1998	24,000	2,500	1,800	1,400	2,400	450	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	4.58	18.68	NA
V-1 (D)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	07/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	NA	NA	NA	NA	NA	23.26	7.51	15.75	NA
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	NA	NA	NA	NA	NA	23.26	8.49	14.77	NA

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V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	NA	NA	NA	NA	23.26	8.59	14.67	NA
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	8.69	14.57	NA
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	13.9	NA	NA	NA	NA	NA	23.26	8.99	14.27	NA
V-1	10/06/1999	714	53.7	0.740	8.69	<0.500	9.83	NA	NA	NA	NA	NA	23.26	9.55	13.71	NA
V-1	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.19	16.07	NA
V-1	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.67	15.59	NA
V-1	07/19/2000	255	21.7	<0.500	10.2	<0.500	7.33	<1.00 a	NA	NA	NA	NA	23.26	7.53	15.73	NA
V-1	10/24/2000	200	4.05	0.566	<0.500	<0.500	7.82	NA	NA	NA	NA	NA	23.26	7.38	15.88	NA
V-1	01/04/2001	128	1.77	<0.500	<0.500	<0.500	6.40	<10.0 b	NA	NA	NA	NA	23.26	8.41	14.85	NA
V-1	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	7.20	16.06	NA
V-1	07/09/2001	110	4.4	<0.50	0.88	1.7	NA	<5.0	NA	NA	NA	NA	23.26	9.22	14.04	NA
V-1	10/18/2001	1,500	180	12	43	46	NA	<5.0	NA	NA	NA	NA	23.26	10.08	13.18	0.8
V-1	01/24/2002	210	7.1	15	4.6	32	NA	<5.0	NA	NA	NA	NA	23.26	6.44	16.82	3.5
V-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	6.18	17.08	1.0
V-1	07/18/2002	100	1.6	1.2	1.2	6.1	NA	<5.0	NA	NA	NA	NA	23.26	8.08	15.18	1.7
V-1	10/21/2002	210	1.4	<0.50	1.0	1.3	NA	<5.0	NA	NA	NA	NA	29.26	8.94	20.32	1.2
V-1	01/21/2003	61	5.2	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.26	6.62	22.64	0.6
V-1	04/17/2003	<50	<0.50	<0.50	<0.50	1.2	NA	<5.0	NA	NA	NA	NA	29.26	6.00	23.26	1.3
V-1	07/22/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	NA	NA	NA
V-1	10/20/2003	540	11	1.6	6.0	8.9	NA	<0.50	NA	NA	NA	NA	29.26	9.53	19.73	0.1
V-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.26	6.62	22.64	NA
V-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	9.08	20.18	0.1
V-1	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	6.24	23.02	0.1
V-1	07/13/2004	120	1.8	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	8.78	20.48	0.1
V-1	10/26/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.09	21.17	0.6
V-1	01/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	4.30	24.96	0.1

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V-1	04/28/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	5.27	23.99	3.34
V-1	08/01/2005	54	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	7.77	21.49	NA d
V-1	10/05/2005	120 e	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.72	20.54	1.67
V-1	**01/11/2006**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**29.26**	**4.78**	**24.48**	**0.3**
V-2	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	08/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	7.94	14.86	NA
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	NA
V-2	01/08/1997	69,000	4,800	2,800	2,700	13,000	750	NA	NA	NA	NA	NA	22.80	5.82	16.98	NA
V-2	04/07/1997	90,000	4,400	1,900	3,300	14,000	<500	NA	NA	NA	NA	NA	22.80	7.10	15.70	NA
V-2 (D)	04/07/1997	77,000	4,400	2,000	3,200	14,000	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	07/02/1997	82,000	5,500	2,700	3,500	16,000	530	<100	NA	NA	NA	NA	22.80	8.35	14.45	NA
V-2 (D)	07/02/1997	85,000	5,600	2,800	3,600	17,000	520	<100	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	10/24/1997	7,300	1,100	97	230	180	91	<12	NA	NA	NA	NA	22.80	10.03	12.77	NA
V-2 (D)	10/24/1997	12,000	1,700	340	650	630	120	<20	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	01/09/1998	40,000	4,100	1,500	2,500	9,000	280	NA	NA	NA	NA	NA	22.80	6.94	15.86	NA
V-2	04/02/1998	62,000	6,800	2,400	3,400	14,000	<250	NA	NA	NA	NA	NA	22.80	5.35	17.45	NA
V-2	07/14/1998	43,000	4,700	1,100	2,500	6,600	<250	NA	NA	NA	NA	NA	22.80	6.48	16.32	NA
V-2 (D)	07/14/1998	48,000	5,100	1,300	2,600	8,100	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	10/01/1998	53,000	5,200	1,800	3,200	10,000	83	NA	NA	NA	NA	NA	22.80	8.41	14.39	NA
V-2 (D)	10/01/1998	55,000	5,300	1,900	3,300	11,000	65	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	01/18/1999	47,100	5,800	1,960	3,450	10,200	<100	NA	NA	NA	NA	NA	22.80	8.29	14.51	NA
V-2	04/29/1999	65,000	6,100	2,800	3,200	12,000	540	NA	NA	NA	NA	NA	22.80	8.19	14.61	NA
V-2	08/23/1999	59,600	6,240	2,190	3,900	14,700	390	NA	NA	NA	NA	NA	22.80	8.44	14.36	NA
V-2	10/06/1999	63,800	4,820	1,860	2,840	11,100	<1000	NA	NA	NA	NA	NA	22.80	8.96	13.84	NA
V-2	01/27/2000	59,600	10,200	2,840	3,450	12,100	<500	NA	NA	NA	NA	NA	22.80	7.57	15.23	NA

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V-2	04/18/2000	45,000	6,050	2,700	3,340	12,200	<250	NA	NA	NA	NA	NA	22.80	8.14	14.66	NA
V-2	07/19/2000	31,800	4,440	1,270	2,390	6,820	<500	NA	NA	NA	NA	NA	22.80	8.21	14.59	NA
V-2	10/24/2000	40,100	4,810	1,730	2,960	8,650	734	<10.0	NA	NA	NA	NA	22.80	8.53	14.27	NA
V-2	01/04/2001	37,500	4,510	1,390	2,710	6,880	375	NA	NA	NA	NA	NA	22.80	8.03	14.77	NA
V-2	05/03/2001	51,000	4,000	1,900	2,800	8,200	NA	<200	NA	NA	NA	NA	22.80	6.63	16.17	NA
V-2	07/09/2001	9,600	710	190	180	1,400	NA	<25	NA	NA	NA	NA	22.80	8.75	14.05	NA
V-2	10/18/2001	20,000	2,000	540	560	6,000	NA	<50	NA	NA	NA	NA	22.80	9.60	13.20	0.4
V-2	01/24/2002	36,000	2,900	870	1,700	5,900	NA	<100	NA	NA	NA	NA	22.80	5.93	16.87	4.0
V-2	04/04/2002	49,000	3,900	1,500	2,900	9,300	NA	<200	NA	NA	NA	NA	22.80	5.78	17.02	0.9
V-2	07/18/2002	50,000	3,600	1,300	2,800	9,300	NA	<200	NA	NA	NA	NA	22.80	7.58	15.22	1.3
V-2	10/21/2002	86,000	6,000	1,900	4,200	20,000	NA	<250	NA	NA	NA	NA	28.80	8.40	20.40	1.3
V-2	01/21/2003	13,000	630	200	300	2,400	NA	<25	NA	NA	NA	NA	28.80	6.52	22.28	1.2
V-2	04/17/2003	26,000	2,000	570	750	6,000	NA	<100	NA	NA	NA	NA	28.80	5.93	22.87	1.1
V-2	07/22/2003	6,800	130	34	150	440	NA	<2.5	NA	NA	NA	NA	28.80	7.96	20.84	1.4
V-2	10/20/2003	14,000	660	160	260	2,400	NA	<10	NA	NA	NA	NA	28.80	9.21	19.59	0.7
V-2	01/13/2004	20,000	1,400	410	700	4,200	NA	<13	NA	NA	NA	NA	28.80	6.90	21.90	NA
V-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.80	8.50	20.30	0.1
V-2	04/01/2004	28,000	2,000	520	650	8,700	NA	NA	NA	NA	NA	NA	28.80	6.84	21.96	0.2
V-2	07/13/2004	21,000	1,900	460	1,000	4,300	NA	NA	NA	NA	NA	NA	28.80	8.28	20.52	0.1
V-2	10/26/2004	43,000	2,700	880	2,300	12,000	NA	NA	NA	NA	NA	NA	28.80	8.43	20.37	0.8
V-2	01/13/2005	23,000	1,400	330	1,800	5,800	NA	NA	NA	NA	NA	NA	28.80	6.67	22.13	0.6
V-2	04/28/2005	16,000	970	230	620	3,800	NA	NA	NA	NA	NA	NA	28.80	5.69	23.11	4.55
V-2	08/01/2005	14,000	610	190	450	3,600	NA	NA	NA	NA	NA	NA	28.80	5.25	23.55	NA d
V-2	10/05/2005	37,000	2,200	680	2,300	8,500	NA	NA	NA	NA	NA	NA	28.80	8.24	20.56	0.75
V-2	**01/11/2006 f**	**45,000**	**1,900**	**720**	**3,000**	**13,000**	**NA**	**<25**	**<25**	**<25**	**<25**	**<250**	**28.80**	**6.60**	**22.20**	**0.4**

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Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen reading
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

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

Notes:

a = This sample analyzed outside of EPA recommended holding time.

b = Due to error of Sequoia Analytical laboratories, well V-1 confirmed for MTBE by EPA Method 8260 instead of V-2.

c = Hydrocarbon does not match pattern of laboratory's standard.

d = Dissolved oxygen reading not taken due to meter malfunction.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

f = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for dilution was performed past the recommended hold time.

* = Water sample from Boring.

Site surveyed June 14, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed August 13, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

1 February, 2006

Michael Ninokata
Blaine Tech Services - San Jose (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 2703 Martin Luther King Jr. Way, Oakland
Work Order: MPA0818

Enclosed are the results of analyses for samples received by the laboratory on 01/12/06 16:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa Allen
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Blaine Tech Services - San Jose (Shell)	Project: 2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V-1	MPA0818-01	Water	01/11/06 12:30	01/12/06 16:07
V-2	MPA0818-02	Water	01/11/06 12:10	01/12/06 16:07
MW-4	MPA0818-03	Water	01/11/06 12:40	01/12/06 16:07
MW-5	MPA0818-04	Water	01/11/06 13:05	01/12/06 16:07
MW-6	MPA0818-05	Water	01/11/06 12:30	01/12/06 16:07
MW-7	MPA0818-06	Water	01/11/06 12:20	01/12/06 16:07
MW-8	MPA0818-07	Water	01/11/06 12:00	01/12/06 16:07

2-1-06: This report was revised to correct the sample names of VW-1 to V-1 and VW-2 to V-2 per revised COC from client.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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Blaine Tech Services - San Jose (Shell)	Project: 2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V-1 (MPA0818-01) Water Sampled: 01/11/06 12:30 Received: 01/12/06 16:07									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6A25007	01/25/06	01/25/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*126 %*	*60-135*		"	"	"	"	
V-2 (MPA0818-02RE1) Water Sampled: 01/11/06 12:10 Received: 01/12/06 16:07									**HT-RD**
Gasoline Range Organics (C4-C12)	**45000**	2500	ug/l	50	6A28005	01/28/06	01/28/06	EPA 8260B	
Benzene	**1900**	25	"	"	"	"	"	"	
Toluene	**720**	25	"	"	"	"	"	"	
Ethylbenzene	**3000**	25	"	"	"	"	"	"	
Xylenes (total)	**13000**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*60-135*		"	"	"	"	

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MPA0818-03) Water Sampled: 01/11/06 12:40 Received: 01/12/06 16:07									
Toluene	**14**	0.50	ug/l	1	6A25012	01/25/06	01/25/06	EPA 8260B	
Ethylbenzene	**95**	0.50	"	"	"	"	"	"	
Xylenes (total)	**78**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether	**7.4**	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**32**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-135*		"	"	"	"	
MW-4 (MPA0818-03RE1) Water Sampled: 01/11/06 12:40 Received: 01/12/06 16:07									**HT-RD**
Gasoline Range Organics (C4-C12)	**3900**	2500	ug/l	50	6A31008	01/31/06	01/31/06	EPA 8260B	
Benzene	**1700**	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-135*		"	"	"	"	
MW-5 (MPA0818-04) Water Sampled: 01/11/06 13:05 Received: 01/12/06 16:07									
Gasoline Range Organics (C4-C12)	**12000**	2500	ug/l	50	6A25012	01/25/06	01/25/06	EPA 8260B	
Benzene	**1900**	25	"	"	"	"	"	"	
Toluene	**550**	25	"	"	"	"	"	"	
Ethylbenzene	**2400**	25	"	"	"	"	"	"	
Xylenes (total)	**3800**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*76 %*	*60-135*		"	"	"	"	

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MPA0818-05) Water Sampled: 01/11/06 12:30 Received: 01/12/06 16:07									
Gasoline Range Organics (C4-C12)	**150000**	10000	ug/l	200	6A25007	01/25/06	01/25/06	EPA 8260B	
Benzene	**9300**	100	"	"	"	"	"	"	
Toluene	**1600**	100	"	"	"	"	"	"	
Ethylbenzene	**5100**	100	"	"	"	"	"	"	
Xylenes (total)	**24000**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98 %*	*60-135*		"	"	"	"	
MW-6 (MPA0818-05RE1) Water Sampled: 01/11/06 12:30 Received: 01/12/06 16:07									**HT-RD**
Methyl tert-butyl ether	ND	2.5	ug/l	5	6A28005	01/28/06	01/28/06	EPA 8260B	
Di-isopropyl ether	**17**	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**51**	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*230 %*	*60-135*		"	"	"	"	*S04*
MW-7 (MPA0818-06) Water Sampled: 01/11/06 12:20 Received: 01/12/06 16:07									
Gasoline Range Organics (C4-C12)	**79000**	10000	ug/l	200	6A25007	01/25/06	01/25/06	EPA 8260B	
Benzene	**9800**	100	"	"	"	"	"	"	
Toluene	**1800**	100	"	"	"	"	"	"	
Ethylbenzene	**1900**	100	"	"	"	"	"	"	
Xylenes (total)	**20000**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-135*		"	"	"	"	
MW-7 (MPA0818-06RE1) Water Sampled: 01/11/06 12:20 Received: 01/12/06 16:07									**HT-RD**
Methyl tert-butyl ether	ND	5.0	ug/l	10	6A28005	01/28/06	01/28/06	EPA 8260B	
Di-isopropyl ether	**28**	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	**64**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*174 %*	*60-135*		"	"	"	"	*S04*

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MPA0818-07) Water Sampled: 01/11/06 12:00 Received: 01/12/06 16:07									
Gasoline Range Organics (C4-C12)	**32000**	5000	ug/l	100	6A25007	01/25/06	01/25/06	EPA 8260B	
Benzene	**2400**	50	"	"	"	"	"	"	
Toluene	**180**	50	"	"	"	"	"	"	
Ethylbenzene	**66**	50	"	"	"	"	"	"	
Xylenes (total)	**5500**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-135*		"	"	"	"	
MW-8 (MPA0818-07RE1) Water Sampled: 01/11/06 12:00 Received: 01/12/06 16:07									**HT-RD**
Methyl tert-butyl ether	ND	0.50	ug/l	1	6A28005	01/28/06	01/28/06	EPA 8260B	
Di-isopropyl ether	**15**	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	**35**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*492 %*	*60-135*		"	"	"	"	*S04*

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A25007 - EPA 5030B P/T / EPA 8260B										
Blank (6A25007-BLK1)				Prepared & Analyzed: 01/25/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							CC02
tert-Butyl alcohol	ND	5.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Ethanol	ND	100	"							
Surrogate: 1,2-Dichloroethane-d4	*3.15*		*"*	*2.50*		*126*	*60-135*			
Laboratory Control Sample (6A25007-BS2)				Prepared & Analyzed: 01/25/06						
Gasoline Range Organics (C4-C12)	465	50	ug/l	440		106	60-140			
Benzene	5.18	0.50	"	5.04		103	65-115			
Toluene	37.2	0.50	"	38.0		98	85-120			
Ethylbenzene	6.76	0.50	"	7.28		93	75-135			
Xylenes (total)	40.0	0.50	"	40.8		98	85-125			
Methyl tert-butyl ether	7.01	0.50	"	7.84		89	65-125			
Di-isopropyl ether	15.8	0.50	"	16.2		98	75-125			
Ethyl tert-butyl ether	15.3	0.50	"	16.4		93	75-130			
tert-Amyl methyl ether	14.1	0.50	"	16.3		87	80-115			CC02
tert-Butyl alcohol	147	5.0	"	169		87	75-150			
1,2-Dichloroethane	18.6	0.50	"	15.5		120	85-130			
1,2-Dibromoethane (EDB)	16.4	0.50	"	16.6		99	85-120			
Ethanol	211	100	"	165		128	70-135			
Surrogate: 1,2-Dichloroethane-d4	*2.97*		*"*	*2.50*		*119*	*60-135*			

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Blaine Tech Services - San Jose (Shell)	Project: 2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A25007 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (6A25007-BSD2)				Prepared & Analyzed: 01/25/06						
Gasoline Range Organics (C4-C12)	480	50	ug/l	440		109	60-140	3	25	
Benzene	5.43	0.50	"	5.04		108	65-115	5	20	
Toluene	38.7	0.50	"	38.0		102	85-120	4	20	
Ethylbenzene	7.16	0.50	"	7.28		98	75-135	6	15	
Xylenes (total)	42.1	0.50	"	40.8		103	85-125	5	20	
Methyl tert-butyl ether	7.29	0.50	"	7.84		93	65-125	4	20	
Di-isopropyl ether	16.4	0.50	"	16.2		101	75-125	4	15	
Ethyl tert-butyl ether	15.6	0.50	"	16.4		95	75-130	2	25	
tert-Amyl methyl ether	14.5	0.50	"	16.3		89	80-115	3	15	CC02
tert-Butyl alcohol	168	5.0	"	169		99	75-150	13	25	
1,2-Dichloroethane	18.2	0.50	"	15.5		117	85-130	2	20	
1,2-Dibromoethane (EDB)	16.1	0.50	"	16.6		97	85-120	2	15	
Ethanol	241	100	"	165		146	70-135	13	35	QC01
Surrogate: 1,2-Dichloroethane-d4	*2.88*		*"*	*2.50*		*115*	*60-135*			
Batch 6A25012 - EPA 5030B P/T / EPA 8260B										
Blank (6A25012-BLK1)				Prepared & Analyzed: 01/25/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Ethanol	ND	100	"							
Surrogate: 1,2-Dichloroethane-d4	*2.15*		*"*	*2.50*		*86*	*60-135*			

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Blaine Tech Services - San Jose (Shell)	Project:2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number:060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager:Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A25012 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (6A25012-BS1)				Prepared & Analyzed: 01/25/06						
Gasoline Range Organics (C4-C12)	459	50	ug/l	440		104	60-140			
Benzene	4.38	0.50	"	5.04		87	65-115			
Toluene	32.9	0.50	"	38.0		87	85-120			
Ethylbenzene	6.78	0.50	"	7.28		93	75-135			
Xylenes (total)	38.8	0.50	"	40.8		95	85-125			
Methyl tert-butyl ether	6.54	0.50	"	7.84		83	65-125			
Di-isopropyl ether	13.3	0.50	"	16.2		82	75-125			
Ethyl tert-butyl ether	13.9	0.50	"	16.4		85	75-130			
tert-Amyl methyl ether	14.6	0.50	"	16.3		90	80-115			
tert-Butyl alcohol	145	5.0	"	169		86	75-150			
1,2-Dichloroethane	13.6	0.50	"	15.5		88	85-130			
1,2-Dibromoethane (EDB)	15.7	0.50	"	16.6		95	85-120			
Ethanol	205	100	"	165		124	70-135			
Surrogate: 1,2-Dichloroethane-d4	*1.92*		*"*	*2.50*		*77*	*60-135*			
Matrix Spike (6A25012-MS1)	**Source: MPA0818-04**			Prepared: 01/25/06 Analyzed: 01/26/06						
Gasoline Range Organics (C4-C12)	38400	2500	ug/l	22000	12000	120	60-140			
Benzene	2080	25	"	252	1900	71	65-115			
Toluene	2400	25	"	1900	550	97	85-120			
Ethylbenzene	398	25	"	364	2400	0	75-135			QM05
Xylenes (total)	5770	25	"	2040	3800	97	85-125			
Methyl tert-butyl ether	366	25	"	392	ND	93	65-125			
Di-isopropyl ether	744	25	"	812	6.0	91	75-125			
Ethyl tert-butyl ether	769	25	"	820	ND	94	75-130			
tert-Amyl methyl ether	822	25	"	816	ND	101	80-115			
tert-Butyl alcohol	7690	250	"	8440	230	88	75-120			
1,2-Dichloroethane	765	25	"	776	ND	99	85-130			
1,2-Dibromoethane (EDB)	870	25	"	832	ND	105	85-120			
Ethanol	11300	5000	"	8240	ND	137	70-135			QM01
Surrogate: 1,2-Dichloroethane-d4	*1.90*		*"*	*2.50*		*76*	*60-135*			

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A25012 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (6A25012-MSD1)	**Source: MPA0818-04**			Prepared: 01/25/06 Analyzed: 01/26/06						
Gasoline Range Organics (C4-C12)	38400	2500	ug/l	22000	12000	120	60-140	0	25	
Benzene	2090	25	"	252	1900	75	65-115	0.5	20	
Toluene	2400	25	"	1900	550	97	85-120	0	20	
Ethylbenzene	410	25	"	364	2400	0	75-135	3	15	QM05
Xylenes (total)	5920	25	"	2040	3800	104	85-125	3	20	
Methyl tert-butyl ether	364	25	"	392	ND	93	65-125	0.5	20	
Di-isopropyl ether	739	25	"	812	6.0	90	75-125	0.7	15	
Ethyl tert-butyl ether	778	25	"	820	ND	95	75-130	1	25	
tert-Amyl methyl ether	815	25	"	816	ND	100	80-115	0.9	15	
tert-Butyl alcohol	7610	250	"	8440	230	87	75-120	1	25	
1,2-Dichloroethane	754	25	"	776	ND	97	85-130	1	20	
1,2-Dibromoethane (EDB)	862	25	"	832	ND	104	85-120	0.9	15	
Ethanol	11500	5000	"	8240	ND	140	70-135	2	35	QM01
Surrogate: 1,2-Dichloroethane-d4	*1.88*		*"*	*2.50*		*75*	*60-135*			
Batch 6A28005 - EPA 5030B P/T / EPA 8260B										
Blank (6A28005-BLK1)				Prepared & Analyzed: 01/28/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Ethanol	ND	100	"							
Surrogate: 1,2-Dichloroethane-d4	*2.70*		*"*	*2.50*		*108*	*60-135*			

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1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A28005 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (6A28005-BS1)				Prepared & Analyzed: 01/28/06						
Gasoline Range Organics (C4-C12)	464	50	ug/l	440		105	60-140			
Benzene	5.33	0.50	"	5.04		106	65-115			
Toluene	37.8	0.50	"	38.0		99	85-120			
Ethylbenzene	7.04	0.50	"	7.28		97	75-135			
Xylenes (total)	41.1	0.50	"	40.8		101	85-125			
Methyl tert-butyl ether	7.09	0.50	"	7.84		90	65-125			
Di-isopropyl ether	16.0	0.50	"	16.2		99	75-125			
Ethyl tert-butyl ether	15.1	0.50	"	16.4		92	75-130			
tert-Amyl methyl ether	14.1	0.50	"	16.3		87	80-115			
tert-Butyl alcohol	150	5.0	"	169		89	75-150			
1,2-Dichloroethane	17.3	0.50	"	15.5		112	85-130			
1,2-Dibromoethane (EDB)	15.6	0.50	"	16.6		94	85-120			
Ethanol	193	100	"	165		117	70-135			
Surrogate: 1,2-Dichloroethane-d4	*2.68*		*"*	*2.50*		*107*	*60-135*			
Laboratory Control Sample Dup (6A28005-BSD1)				Prepared & Analyzed: 01/28/06						
Gasoline Range Organics (C4-C12)	483	50	ug/l	440		110	60-140	4	25	
Benzene	5.49	0.50	"	5.04		109	65-115	3	20	
Toluene	38.9	0.50	"	38.0		102	85-120	3	20	
Ethylbenzene	7.31	0.50	"	7.28		100	75-135	4	15	
Xylenes (total)	42.7	0.50	"	40.8		105	85-125	4	20	
Methyl tert-butyl ether	7.21	0.50	"	7.84		92	65-125	2	20	
Di-isopropyl ether	16.2	0.50	"	16.2		100	75-125	1	15	
Ethyl tert-butyl ether	15.5	0.50	"	16.4		95	75-130	3	25	
tert-Amyl methyl ether	14.3	0.50	"	16.3		88	80-115	1	15	
tert-Butyl alcohol	173	5.0	"	169		102	75-150	14	25	
1,2-Dichloroethane	17.2	0.50	"	15.5		111	85-130	0.6	20	
1,2-Dibromoethane (EDB)	15.8	0.50	"	16.6		95	85-120	1	15	
Ethanol	237	100	"	165		144	70-135	20	35	QC01
Surrogate: 1,2-Dichloroethane-d4	*2.68*		*"*	*2.50*		*107*	*60-135*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Blaine Tech Services - San Jose (Shell)	Project: 2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A31008 - EPA 5030B P/T / EPA 8260B										
Blank (6A31008-BLK1)				Prepared & Analyzed: 01/31/06						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Ethanol	ND	100	"							
Surrogate: 1,2-Dichloroethane-d4	*5.14*		*"*	*5.00*		*103*	*60-135*			
Laboratory Control Sample (6A31008-BS1)				Prepared & Analyzed: 01/31/06						
Gasoline Range Organics (C4-C12)	397	50	ug/l	440		90	60-140			
Benzene	4.83	0.50	"	5.04		96	65-115			
Toluene	30.2	0.50	"	38.0		79	85-120			QC02
Ethylbenzene	6.90	0.50	"	7.28		95	75-135			
Xylenes (total)	38.1	0.50	"	40.8		93	85-125			
Methyl tert-butyl ether	6.00	0.50	"	7.84		77	65-125			
Di-isopropyl ether	13.2	0.50	"	16.2		81	75-125			
Ethyl tert-butyl ether	12.2	0.50	"	16.4		74	75-130			QC02
tert-Amyl methyl ether	12.4	0.50	"	16.3		76	80-115			QC02
tert-Butyl alcohol	136	5.0	"	169		80	75-150			
1,2-Dichloroethane	14.2	0.50	"	15.5		92	85-130			
1,2-Dibromoethane (EDB)	14.0	0.50	"	16.6		84	85-120			QC02
Ethanol	182	100	"	165		110	70-135			
Surrogate: 1,2-Dichloroethane-d4	*4.99*		*"*	*5.00*		*100*	*60-135*			

Sequoia Analytical

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Blaine Tech Services - San Jose (Shell)	Project: 2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number: 060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	02/01/06 14:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6A31008 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (6A31008-BSD1)				Prepared & Analyzed: 01/31/06						
Gasoline Range Organics (C4-C12)	384	50	ug/l	440		87	60-140	3	25	
Benzene	4.91	0.50	"	5.04		97	65-115	2	20	
Toluene	30.2	0.50	"	38.0		79	85-120	0	20	QC02
Ethylbenzene	7.00	0.50	"	7.28		96	75-135	1	15	
Xylenes (total)	38.2	0.50	"	40.8		94	85-125	0.3	20	
Methyl tert-butyl ether	6.01	0.50	"	7.84		77	65-125	0.2	20	
Di-isopropyl ether	13.5	0.50	"	16.2		83	75-125	2	15	
Ethyl tert-butyl ether	12.4	0.50	"	16.4		76	75-130	2	25	
tert-Amyl methyl ether	12.6	0.50	"	16.3		77	80-115	2	15	QC02
tert-Butyl alcohol	126	5.0	"	169		75	75-150	8	25	
1,2-Dichloroethane	14.2	0.50	"	15.5		92	85-130	0	20	
1,2-Dibromoethane (EDB)	14.2	0.50	"	16.6		86	85-120	1	15	
Ethanol	192	100	"	165		116	70-135	5	35	
Surrogate: 1,2-Dichloroethane-d4	*4.85*		*"*	*5.00*		*97*	*60-135*			

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Blaine Tech Services - San Jose (Shell)	Project:2703 Martin Luther King Jr. Way, Oakland	MPA0818
1680 Rogers Avenue	Project Number:060111-MT2	**Reported:**
San Jose CA, 95112	Project Manager:Michael Ninokata	02/01/06 14:28

Notes and Definitions

S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
QM05	The spike recovery was below control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM01	The spike recovery was above control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC02	The percent recovery was below the control limits.
QC01	The percent recovery was above the control limits.
HT-RD	This sample was originally analyzed within the EPA recommended hold time. Re-analysis for dilution was performed past the recommended hold time.
CC02	The result was reported with a possible low bias due to the continuing calibration verification falling outside the acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SHELL Chain Of Custody Record

Lab: Test America STL Other TA

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

Shell Project Manager to be invoiced:
- ☑ ENVIRONMENTAL SERVICES — **Denis Brown**
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON
- ☐ NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY): 97093397

SAP or CRMT NUMBER (TS/CRMT):

DATE: 01/11/06

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata	
TELEPHONE: 408-573-0555	FAX: 408-573-7771
E-MAIL: mninokata@blainetech.com	
SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland	State: CA
GLOBAL ID NO.: T0600101876	
EDF DELIVERABLE TO (Name, Company, Office Location): Ana Friel, Cambria, Sonoma Office	PHONE NO.: 707-268-3812
E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: BTS # 060111-MT2
SAMPLER NAME(S) (Print): Justin Dennis, Mike Toll	LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:_____

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

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

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015m)	BTEX (8260B)	6 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)
	~~MW-1~~ V-1	01/11/06	1230	W	3	X		X	X	MW-1 2/1/06								
	~~MW-2~~ V-2	01/11/06	1210	W	3	X		X	X	MW-2 2/1/06								
	MW-4	01/11/06	1240	W	3	X		X	X									
	MW-5	01/11/06	1305	W	3	X		X	X									
	MW-6	01/11/06	1230	W	3	X		X	X									
	MW-7	01/11/06	1220	W	3	X		X	X									
	MW-8	01/11/06	1200	W	3	X		X	X									

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

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) SAMPLE CUSTODIAN	Date: 1/11/06	Time: 1424
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

WELLHEAD INSPECTION CHECKLIST

Date 01/11/06 Client 97093397

Site Address 2703 MLK Jr Way, Oakland

Job Number 060111-MT2 Technician MT, JD

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1		X						
MW-2		X						
MW-3		X						
MW-4		X						
MW-5	X							
MW-6	X							
MW-7	X							
MW-8	X							
V-1		X						
V-2		X						

NOTES:

WELLHEAD INSPECTION CHECKLIST

Date 1/9/06 Client Shell

Site Address 2703 Martin Luther King, Oakland

Job Number 060109-MT7 Technician MT

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-6						✓	A	
MW-7						✓	A	
MW-8						✓	A	

NOTES: A = No Annular Seal

WELL GAUGING DATA

Project # 060111-MT2 Date 01/11/06 Client 97093397

Site 2703 MLK Jr Way, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	
MW-1	2					5.35	20.00		
MW-2	2					6.30	19.00		
MW-3	4					6.10	20.00		
MW-4	4					4.25	19.90		
MW-5	4					5.52	19.63		
MW-6	4					4.50	~~19.96~~ 19.53		
MW-7	4					5.70	19.59		
MW-8	4					5.53	19.58		
V-1 ~~MW-9~~	2					4.78	12.80		
V-2 ~~MW-10~~	2					6.60	13.00		

wl 2/1/06

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 97093397
Sampler: MD, SD	Date: 01/11/06
Well I.D.: ~~two~~ MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.90	Depth to Water (DTW): 4.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

_____(Gals.) X N/P = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1240	64.3	7.0	1547	30	—	odor, sheen

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

Sampling Date: 01/11/06 Sampling Time: 1240 Depth to Water: N/A

Sample I.D.: MW-4 Laboratory: STL Other TA

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 9709 3397
Sampler: MT (ST)	Date: 01/11/06
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.63	Depth to Water (DTW): 5.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

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

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	63.0	6.9	1124	67	—	—

Did well dewater? Yes No Gallons actually evacuated: N/A

Sampling Date: 01/11/06 Sampling Time: 1305 Depth to Water: N/A

Sample I.D.: MW-5 Laboratory: STL Other TA

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

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

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

D.O. (if req'd):	Pre-purge:		mg/L	(Post-purge):	0.6 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	(Post-purge):	36 (IW) mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 9709339 7
Sampler: MT, (VB)	Date: 01/11/06
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.53	Depth to Water (DTW): 4.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable) Bailer, Extraction Port, Dedicated Tubing, Other: _____

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

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1228	63.9	6.9	1589	23	—	clear, strong gas odor

Did well dewater? Yes No Gallons actually evacuated: N/A

Sampling Date: 01/11/06 Sampling Time: 1230 Depth to Water: N/A

Sample I.D.: MW-6 Laboratory: STL Other TA

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys by 8260

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	3.6	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 97093397
Sampler: MT, JD	Date: 01/11/06
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.59	Depth to Water (DTW): 5.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:____

____(Gals.) X NP = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1218	62.3	7.1	1258	10	—	clear, gas odor

Did well dewater? Yes No Gallons actually evacuated: N/A

Sampling Date: 01/11/06 Sampling Time: 1220 Depth to Water: N/A

Sample I.D.: MW-7 Laboratory: STL Other TA

Analyzed for: TPH-G (BTEX) MTBE TPH-D Other: Oxys by 8260

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

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

D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:	1.0 mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 97093397
Sampler: MT, JD	Date: 01/11/06
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.58	Depth to Water (DTW): 5.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

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

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1158	60.9	6.7	(M) 669969	9	—	clear, light gasoline

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 01/11/06 Sampling Time: 1200 Depth to Water: —

Sample I.D.: MW-8 Laboratory: STL Other TA

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys by 8260

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.8	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 97093397
Sampler: MT, JD	Date: 01/11/06
Well I.D.: ~~MW-1~~ ~~MW-1~~ V-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.80	Depth to Water (DTW): 4.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other:_____

____ ____ ____(Gals.) X ____N/P____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1230	63.4	6.9	1763	33	—	

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

Sampling Date: 01/11/06 Sampling Time: 1230 Depth to Water: N/A

Sample I.D.: ~~MW-1~~ ~~MW-1~~ V-1 Laboratory: STL Other TA

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.3	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060111-MT2	Site: 97093397
Sampler: MT, JD	Date: 01/11/06
Well I.D.: ~~MW-2~~ V-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.00	Depth to Water (DTW): 6.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other:

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

____(Gals.) X N/P = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1210	65.4	7.1	1018	10	—	

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

Sampling Date: 01/11/06 Sampling Time: 1210 Depth to Water: N/A

Sample I.D.: ~~MW-2~~ V-2 Laboratory: STL Other TA

Analyzed for: ~~TPH-G~~ (BTEX) MTBE TPH-D Other:

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

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

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	0.4	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

WELL GAUGING DATA

Project # 060109-MT1 Date 1/9/06 Client Shell

Site 2703 Martin Luther King, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	
MW-6	4					4.18	19.16		
MW-7	4					5.50	19.50	↓	
MW-8	4					5.56	19.50		

WELL DEVELOPMENT DATA SHEET

Project #: 060109-MT	Client: 97093397
Developer: MT	Date Developed: 1/9/06
Well I.D. MW-6	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 19.16 After 19.67	Depth to Water: Before 4.13 After 17.43
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

9.7	X	10	=	97
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
	Surged well for 15 min					
1032	64.4	7.2	2785	>1000	9.7	Silty, Slight odor
1043	64.9	7.1	2820	>1000	19.4	" , Hard Bottom
						Switched to E.S.
1046	65.4	7.0	2718	>1000	29.1	Silty, Hard Bottom
1048	65.9	7.0	2700	>1000	38.8	" , Odor, Sheen
1050	66.3	7.0	2710	>1000	48.5	" " "
1052	66.2	7.0	2677	>1000	58.2	" " " "
1054	66.6	7.1	2680	>1000	67.9	" " " "
1056	66.8	6.9	2592	>1000	77.6	" " " "
1058	67.0	7.1	2612	>1000	87.3	" " " "
1100	67.1	7.1	2620	>1000	97	" " " "

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	97

WELL DEVELOPMENT DATA SHEET

Project #: 060109-MT1	Client: 92093397
Developer: MT	Date Developed: 1/9/06
Well I.D. MW-7	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 19.55 After 19.92	Depth to Water: Before 5.50 After 17.20
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

9.1	X	10	=	91
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
	Surged well for 15 min					
1136	63.7	7.4	2299	>1000	9.1	Silty
1146	63.1	7.1	2394	720	18.2	" Hard Bottom
1156	63.0	7.0	1417	470	27.3	Clearing up, Strong Odor
						Switched to Elec Sub.
1200	63.1	6.9	1479	370	36.4	Strong Odor
1202	63.2	6.9	1434	312	45.5	" "
1206	64.0	6.9	1365	129	54.6	" "
1210	64.1	6.9	1350	131	63.7	" "
1214	65.0	6.9	1377	120	72.8	" "
1218	65.5	6.9	1359	100	81.9	" "
1223	65.6	6.9	1354	110	91	" "
Did Well Dewater? No	If yes, note above.			Gallons Actually Evacuated:		91

WELL DEVELOPMENT DATA SHEET

Project #: 060109-M01	Client: 97093397
Developer: LAS	Date Developed: 1/9/06
Well I.D. MW-8	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 19.50 After 19.79	Depth to Water: Before 5.56 After 16.77
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

9.0	X	10	=	90
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
	Surged well for 15 min.					
1239	63.4	7.0	1249	>1000	9	Odor
1248	62.9	7.0	1023	>1000	18	"
1258	62.6	7.0	987	720	27	" , Hard Bottom
						Switched to Elec Sub.
1305	62.8	6.9	977	533	36	Strong Odor
1309	62.8	6.9	980	599	45	" "
1313	62.8	6.9	985	479	54	" "
1317	62.5	6.9	993	320	63	" "
1321	63.0	6.9	998	198	72	" "
1325	62.3	6.9	999	125	81	" "
1329	62.2	6.9	1001	100	90	" "

Did Well Dewater? NO If yes, note above. Gallons Actually Evacuated: 90

Appendix F

Monitoring Well Survey Data

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

February 16, 2006
Project No.: 1233-18D

FEB 21 2006

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

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

Dear Bill:

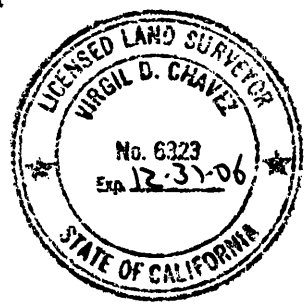
This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on February 14, 2006. The benchmark for this survey was a City of Oakland benchmark being a cut square in the top of curb in the return 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.
				29.83	RIM MW-1
37.8174643	-122.2717448	2124963.49	6049917.76	29.54	TOC MW-1
				28.87	RIM MW-2
37.8172708	-122.2717217	2124892.93	6049923.10	28.48	TOC MW-2
				28.81	RIM MW-3
37.8172632	-122.2718889	2124891.07	6049874.75	28.30	TOC MW-3
				28.88	RIM MW-4
37.8173512	-122.2720650	2124924.08	6049824.52	28.51	TOC MW-4
				29.77	RIM MW-5
37.8174645	-122.2720202	2124965.05	6049838.22	29.61	TOC MW-5
				29.24	RIM MW-6
37.8174010	-122.2720555	2124942.14	6049827.61	28.60	TOC MW-6
				30.10	RIM MW-7
37.8175120	-122.2720252	2124982.37	6049837.12	29.71	TOC MW-7
				30.10	RIM MW-8
37.8175195	-122.2719747	2124984.84	6049851.75	29.54	TOC MW-8
				29.65	RIM V-1
37.8174101	-122.2719565	2124944.91	6049856.27	29.24	TOC V-1
				29.22	RIM V-2
37.8173501	-122.2719574	2124923.07	6049855.58	28.81	TOC V-2

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

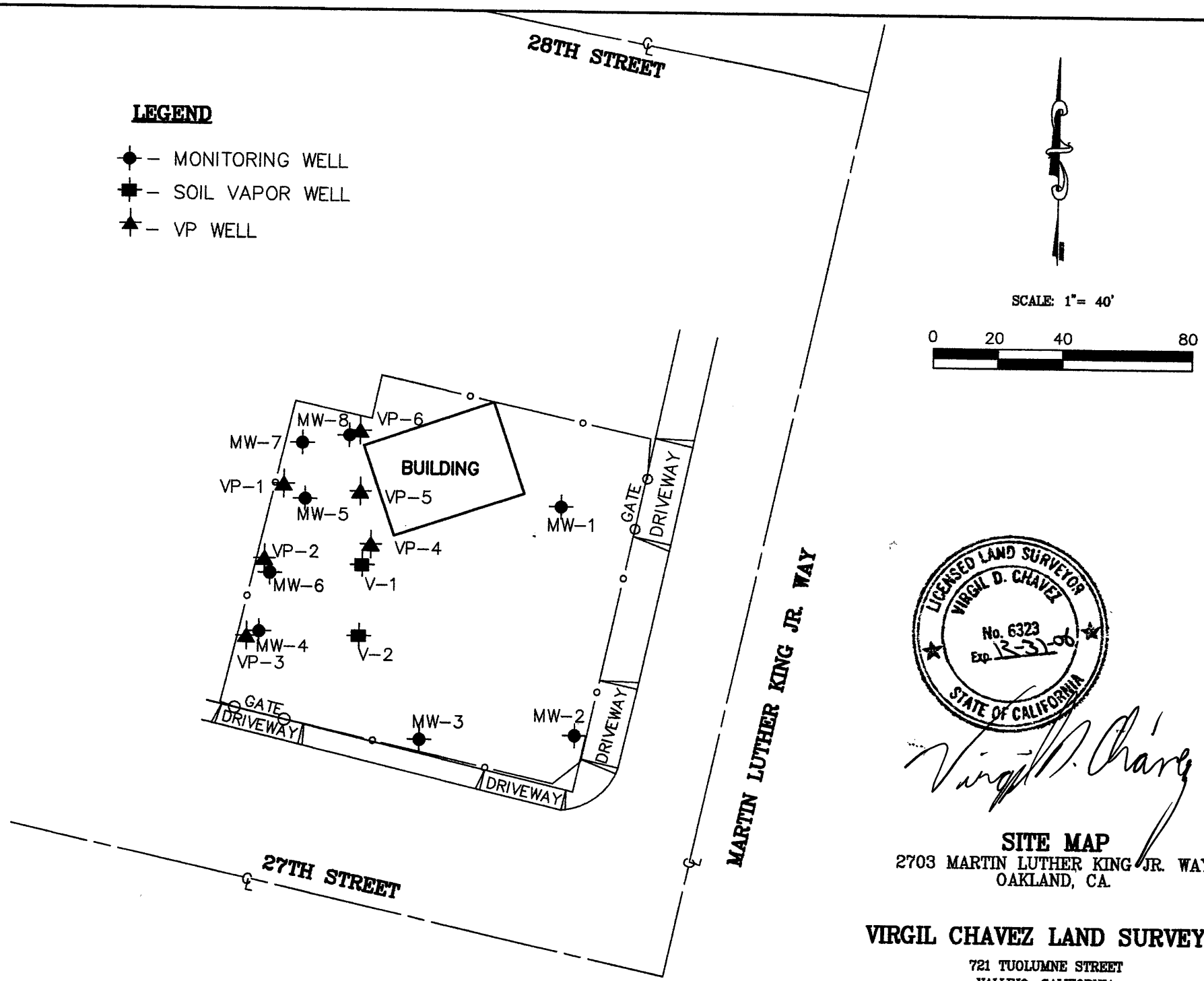
Monitoring Well Survey
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Latitude	Longitude	Northing	Easting	Elev.	Desc.
37.8174767	-122.2720437	2124969.65	6049831.54	29.83	RIM VP-1
37.8174132	-122.2720618	2124946.62	6049825.87	29.31	RIM VP-2
37.8173473	-122.2720783	2124922.70	6049820.66	28.82	RIM VP-3
37.8174276	-122.2719479	2124951.24	6049858.85	29.89	RIM VP-4
37.8174722	-122.2719611	2124967.55	6049855.36	30.15	RIM VP-5
37.8175238	-122.2719632	2124986.34	6049855.09	30.16	RIM VP-6



Sincerely,

Virgil D. Chavez, PLS 6323



LICENSED LAND SURVEYOR
VIRGIL D. 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

FEBUARY, 2006 SCALE: 1"= 40' SHEET 1 OF 1

DRAWING NO. 123318

Appendix G

Certified Analytical Reports

Submission#: 2006-01-0041

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

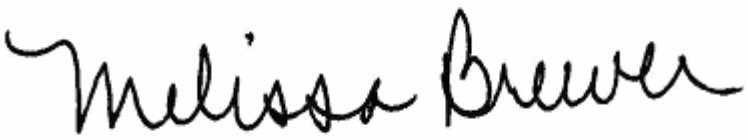
Attached is our report for your samples received on 01/05/2006 17:04
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after 02/19/2006 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

General and Sample Comments

We (STL San Francisco) received 15 Soil samples and 4 Water samples , on Thursday, January 05, 2006 5:04 PM.
The samples were not originally analyzed for BTEX due to a laboratory error. Some samples
were re-analyzed past hold time on the 8260 instruments rather than the 8015/8021 instrument
due to instrumentation problems. Some samples are reported as both 8260 and 8015/8021
due to QC issues for the original, within hold-time analysis.

Gas/BTEX by 8015M/8021

BTEX analyte concentrations were confirmed with PID pre-screening within holding time.

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

An Internal Standard is below control limits, which results in a possible high bias for the Ethylbenzene and Xylenes results.

Analysis Comments and Flags by QC Batch

Gas/BTEX by 8015M/8021	Soil

MW-8-6.5 2006010041 001

Analysis Comment

Analyst inadvertantly missed running lcsd or ms/msd. Hence the data has no precision.

Gas/BTEX by 8015M/8021	Water

MW-7-W 2006010041 019

Analysis Comment

Gasoline MS/MSD was analyzed on our new computer system. Report can be provided upon request.

Selectable Gas/BTEX Fuel Oxygenates by 8260B	Soil

MW-8-6.5 2006010041 001

Analysis Comment

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

Re-logged from Gas/BTEX group past hold time. There was no QC available from original run
on the 8015/8021 instrument.

B-23-5 2006010041 005

Analysis Comment
Re-logged from Gas/BTEX group past hold time. There was no QC available from original run
on the 8015/8021 instrument.

MW-7-19.5 2006010041 018

Analysis Comment
Re-logged from Gas/BTEX group past hold time. There was no QC available from original run
on the 8015/8021 instrument.

Gas/BTEX by 8015M/8021	Water	QC Batch#: 2006/01/11-01.73

MW-8-W 2006010041 004

Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

B-23-W 2006010041 009

Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-6-W 2006010041 014

Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-7-W 2006010041 019

Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

Gas/BTEX by 8015M/8021	Soil	QC Batch#: 2006/01/12-01.05

MW-6-5 2006010041 010

Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-7-11.5 2006010041 016

Analysis Flag(s)

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

L2 Reporting limits were raised due to high level of analyte present in the sample.

Gas/BTEX Compounds (High Level)	Soil	QC Batch#: 2006/01/13-05.05

MW-8-10.5 2006010041 002
Analysis Flag(s)
H3 Initial analysis within holding time but required dilution.

MW-8-10.5 2006010041 002
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-8-10.5 2006010041 002
Compound Flag(s)
S3 Surrogate recovery not reportable due to required dilution.

MW-8-19.5 2006010041 003
Analysis Flag(s)
H3 Initial analysis within holding time but required dilution.

MW-8-19.5 2006010041 003
Compound Flag(s)
S5 Surrogate recoveries higher than acceptance limits. Matrix interference suspected

B-23-10 2006010041 006
Analysis Flag(s)
H3 Initial analysis within holding time but required dilution.

B-23-10 2006010041 006
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

B-23-10 2006010041 006
Compound Flag(s)
S3 Surrogate recovery not reportable due to required dilution.

B-23-15.5 2006010041 007
Analysis Flag(s)
H3 Initial analysis within holding time but required dilution.

B-23-15.5 2006010041 007
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

B-23-15.5 2006010041 007

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

Compound Flag(s)
S3 Surrogate recovery not reportable due to required dilution.

B-23-19.5 2006010041 008
Analysis Flag(s)
H3 Initial analysis within holding time but required dilution.

B-23-19.5 2006010041 008
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

B-23-19.5 2006010041 008
Compound Flag(s)
S6 Surrogate recoveries lower than acceptance limits. Matrix interference suspected

B-23-19.5 2006010041 008
Compound Flag(s)
S4 Surrogate recovery was higher than QC limit due to matrix interference.

MW-6-10 2006010041 011
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-6-10 2006010041 011
Compound Flag(s)
S5 Surrogate recoveries higher than acceptance limits. Matrix interference suspected

MW-6-15.5 2006010041 012
Compound Flag(s)
S7 Surrogate recoveries higher than acceptance limits.

MW-7-16.5 2006010041 017
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-7-16.5 2006010041 017
Compound Flag(s)
S3 Surrogate recovery not reportable due to required dilution.

Gas/BTEX by 8015M/8021	Water	QC Batch#: 2006/01/31-01.05

MW-8-W 2006010041 004
Analysis Flag(s)

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-8-W 2006010041 004
Compound Flag(s)
H2 Analyzed out of holding time.

B-23-W 2006010041 009
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

B-23-W 2006010041 009
Compound Flag(s)
H2 Analyzed out of holding time.

B-23-W 2006010041 009
Compound Flag(s)
J3 Estimated value. The concentration exceeded the calibration of analysis.

MW-6-W 2006010041 014
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-6-W 2006010041 014
Compound Flag(s)
H2 Analyzed out of holding time.

MW-7-W 2006010041 019
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-7-W 2006010041 019
Compound Flag(s)
H2 Analyzed out of holding time.

Selectable Gas/BTEX Fuel Oxygenates by 8260B	Soil	QC Batch#: 200601262A62

MW-6-5 2006010041 010
Analysis Flag(s)
H1 Extracted out of holding time.

MW-6-5 2006010041 010
Analysis Flag(s)

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-6-5 2006010041 010
Compound Flag(s)
S7 Surrogate recoveries higher than acceptance limits.

MW-6-19.5 2006010041 013
Analysis Flag(s)
H1 Extracted out of holding time.

MW-7-5.5 2006010041 015
Analysis Flag(s)
H1 Extracted out of holding time.

MW-7-11.5 2006010041 016
Analysis Flag(s)
H1 Extracted out of holding time.

MW-7-11.5 2006010041 016
Analysis Flag(s)
L2 Reporting limits were raised due to high level of analyte present in the sample.

MW-7-11.5 2006010041 016
Analysis Flag(s)
N1 Internal standard out of range.

MW-7-11.5 2006010041 016
Compound Flag(s)
S8 Surrogate recoveries lower than acceptance limits.

MW-7-11.5 2006010041 016
Compound Flag(s)
J3 Estimated value. The concentration exceeded the calibration of analysis.

Selectable Gas/BTEX Fuel Oxygenates by 8260B	Soil	QC Batch#: 200601262A62024

S-8-5` >> MSD 200601262A62024
Compound Flag(s)
R1 Analyte RPD was out of QC limits.

Selectable Gas/BTEX Fuel Oxygenates by 8260B	Soil	QC Batch#: 200601262A62057

S-8-5` >> MS 200601262A62057

Cambria Environmental Sonoma February 07, 2006

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 248-0781
Project: 97093397
Site: 2703 Martin Luther King Jr Way, Oakland

Case Narrative

Compound Flag(s)
M4 MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

Selectable Gas/BTEX Fuel Oxygenates by 8260B	Soil	QC Batch#: 200602011A62

MW-8-6.5 2006010041 001
Analysis Flag(s)
H1 Extracted out of holding time.

B-23-5 2006010041 005
Analysis Flag(s)
H1 Extracted out of holding time.

MW-7-19.5 2006010041 018
Analysis Flag(s)
H1 Extracted out of holding time.

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 268-8180

Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8-6.5	01/03/2006 10:33	Soil	1
MW-8-10.5	01/03/2006 10:48	Soil	2
B-23-5	01/03/2006 13:23	Soil	5
B-23-10	01/03/2006 13:27	Soil	6
MW-6-5	01/04/2006 10:53	Soil	10
MW-6-10	01/04/2006 11:01	Soil	11
MW-7-5.5	01/04/2006 08:57	Soil	15
MW-7-11.5	01/04/2006 09:07	Soil	16

Total Lead

Cambria Environmental Sonoma
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-8-6.5**	Lab ID:	2006-01-0041 - 1
Sampled:	01/03/2006 10:33	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	310	1.0	mg/Kg	1.00	01/10/2006 09:50	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-8-10.5**	Lab ID:	2006-01-0041 - 2
Sampled:	01/03/2006 10:48	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.3	1.0	mg/Kg	1.00	01/10/2006 09:54	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-23-5**	Lab ID:	2006-01-0041 - 5
Sampled:	01/03/2006 13:23	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	9.1	1.0	mg/Kg	1.00	01/10/2006 10:04	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**B-23-10**	Lab ID:	2006-01-0041 - 6
Sampled:	01/03/2006 13:27	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.4	1.0	mg/Kg	1.00	01/10/2006 10:08	

Total Lead

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Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-6-5**	Lab ID:	2006-01-0041 - 10
Sampled:	01/04/2006 10:53	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	17	1.0	mg/Kg	1.00	01/10/2006 10:12	

Total Lead

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Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-6-10**	Lab ID:	2006-01-0041 - 11
Sampled:	01/04/2006 11:01	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	14	1.0	mg/Kg	1.00	01/10/2006 10:16	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-7-5.5**	Lab ID:	2006-01-0041 - 15
Sampled:	01/04/2006 08:57	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	11	1.0	mg/Kg	1.00	01/10/2006 10:20	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**MW-7-11.5**	Lab ID:	2006-01-0041 - 16
Sampled:	01/04/2006 09:07	Extracted:	1/9/2006 15:31
Matrix:	Soil	QC Batch#:	2006/01/09-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.5	1.0	mg/Kg	1.00	01/10/2006 10:24	

Total Lead

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Method Blank — **Soil** — **QC Batch # 2006/01/09-02.15**

MB: 2006/01/09-02.15-001 — Date Extracted: 01/09/2006 15:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	01/10/2006 09:19	

Total Lead

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2006/01/09-02.15**

LCS 2006/01/09-02.15-002 Extracted: 01/09/2006 Analyzed: 01/10/2006 09:22
LCSD 2006/01/09-02.15-003 Extracted: 01/09/2006 Analyzed: 01/10/2006 09:26

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	93.1	93.6	100.0	93.1	93.6	0.5	80-120	20		

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8-10.5	01/03/2006 10:48	Soil	2
MW-8-19.5	01/03/2006 11:07	Soil	3
B-23-10	01/03/2006 13:27	Soil	6
B-23-15.5	01/03/2006 13:36	Soil	7
B-23-19.5	01/03/2006 13:54	Soil	8
MW-6-10	01/04/2006 11:01	Soil	11
MW-6-15.5	01/04/2006 11:08	Soil	12
MW-7-16.5	01/04/2006 09:14	Soil	17

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8-10.5**	Lab ID:	2006-01-0041 - 2
Sampled:	01/03/2006 10:48	Extracted:	1/18/2006 10:13
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: H3,L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	880	100	mg/Kg	10.00	01/18/2006 10:13	
Benzene	ND	6.2	mg/Kg	10.00	01/18/2006 10:13	
Toluene	ND	6.2	mg/Kg	10.00	01/18/2006 10:13	
Ethyl benzene	15	6.2	mg/Kg	10.00	01/18/2006 10:13	
Xylene(s)	72	6.2	mg/Kg	10.00	01/18/2006 10:13	
Surrogate(s)						
Trifluorotoluene	23.2	53-125	%	1.00	01/18/2006 10:13	S3
4-Bromofluorobenzene-FID	102.6	58-124	%	1.00	01/18/2006 10:13	

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8-19.5**	Lab ID:	2006-01-0041 - 3
Sampled:	01/03/2006 11:07	Extracted:	1/18/2006 10:39
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: H3 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	19	10	mg/Kg	1.00	01/18/2006 10:39	
Benzene	0.63	0.62	mg/Kg	1.00	01/18/2006 10:39	
Toluene	ND	0.62	mg/Kg	1.00	01/18/2006 10:39	
Ethyl benzene	ND	0.62	mg/Kg	1.00	01/18/2006 10:39	
Xylene(s)	0.80	0.62	mg/Kg	1.00	01/18/2006 10:39	
Surrogate(s)						
Trifluorotoluene	307.0	53-125	%	1.00	01/18/2006 10:39	S5
4-Bromofluorobenzene-FID	267.5	58-124	%	1.00	01/18/2006 10:39	S5

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**B-23-10**	Lab ID:	2006-01-0041 - 6
Sampled:	01/03/2006 13:27	Extracted:	1/18/2006 10:39
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: H3,L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	520	100	mg/Kg	10.00	01/18/2006 10:39	
Benzene	ND	6.2	mg/Kg	10.00	01/18/2006 10:39	
Toluene	ND	6.2	mg/Kg	10.00	01/18/2006 10:39	
Ethyl benzene	12	6.2	mg/Kg	10.00	01/18/2006 10:39	
Xylene(s)	62	6.2	mg/Kg	10.00	01/18/2006 10:39	
Surrogate(s)						
Trifluorotoluene	13.0	53-125	%	1.00	01/18/2006 10:39	S3
4-Bromofluorobenzene-FID	73.7	58-124	%	1.00	01/18/2006 10:39	

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**B-23-15.5**	Lab ID:	2006-01-0041 - 7
Sampled:	01/03/2006 13:36	Extracted:	1/18/2006 10:39
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: H3,L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3800	500	mg/Kg	50.00	01/18/2006 10:39	
Benzene	33	31	mg/Kg	50.00	01/18/2006 10:39	
Toluene	50	31	mg/Kg	50.00	01/18/2006 10:39	
Ethyl benzene	98	31	mg/Kg	50.00	01/18/2006 10:39	
Xylene(s)	480	31	mg/Kg	50.00	01/18/2006 10:39	
Surrogate(s)						
Trifluorotoluene	11.1	53-125	%	1.00	01/18/2006 10:39	S3
4-Bromofluorobenzene-FID	61.7	58-124	%	1.00	01/18/2006 10:39	

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**B-23-19.5**	Lab ID:	2006-01-0041 - 8
Sampled:	01/03/2006 13:54	Extracted:	1/18/2006 11:59
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: H3,L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	350	20	mg/Kg	2.00	01/18/2006 11:59	
Benzene	1.6	1.2	mg/Kg	2.00	01/18/2006 11:59	
Toluene	1.9	1.2	mg/Kg	2.00	01/18/2006 11:59	
Ethyl benzene	15	1.2	mg/Kg	2.00	01/18/2006 11:59	
Xylene(s)	35	1.2	mg/Kg	2.00	01/18/2006 11:59	
Surrogate(s)						
Trifluorotoluene	50.7	53-125	%	1.00	01/18/2006 11:59	S6
4-Bromofluorobenzene-FID	217.8	58-124	%	1.00	01/18/2006 11:59	S4

Gas/BTEX Compounds (High Level)

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6-10**	Lab ID:	2006-01-0041 - 11
Sampled:	01/04/2006 11:01	Extracted:	1/18/2006 12:25
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	290	20	mg/Kg	2.00	01/18/2006 12:25	
Benzene	ND	1.2	mg/Kg	2.00	01/18/2006 12:25	
Toluene	ND	1.2	mg/Kg	2.00	01/18/2006 12:25	
Ethyl benzene	3.1	1.2	mg/Kg	2.00	01/18/2006 12:25	
Xylene(s)	3.2	1.2	mg/Kg	2.00	01/18/2006 12:25	
Surrogate(s)						
Trifluorotoluene	61.3	53-125	%	1.00	01/18/2006 12:25	
4-Bromofluorobenzene-FID	280.2	58-124	%	1.00	01/18/2006 12:25	S5

Gas/BTEX Compounds (High Level)

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6-15.5**	Lab ID:	2006-01-0041 - 12
Sampled:	01/04/2006 11:08	Extracted:	1/17/2006 04:02
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	36	10	mg/Kg	1.00	01/17/2006 04:02	
Benzene	ND	0.62	mg/Kg	1.00	01/17/2006 04:02	
Toluene	ND	0.62	mg/Kg	1.00	01/17/2006 04:02	
Ethyl benzene	0.65	0.62	mg/Kg	1.00	01/17/2006 04:02	
Xylene(s)	2.1	0.62	mg/Kg	1.00	01/17/2006 04:02	
Surrogate(s)						
Trifluorotoluene	71.9	53-125	%	1.00	01/17/2006 04:02	
4-Bromofluorobenzene-FID	125.1	58-124	%	1.00	01/17/2006 04:02	S7

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7-16.5**	Lab ID:	2006-01-0041 - 17
Sampled:	01/04/2006 09:14	Extracted:	1/17/2006 04:28
Matrix:	Soil	QC Batch#:	2006/01/13-05.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	340	20	mg/Kg	2.00	01/17/2006 04:28	
Benzene	ND	1.2	mg/Kg	2.00	01/17/2006 04:28	
Toluene	ND	1.2	mg/Kg	2.00	01/17/2006 04:28	
Ethyl benzene	7.2	1.2	mg/Kg	2.00	01/17/2006 04:28	
Xylene(s)	ND	1.2	mg/Kg	2.00	01/17/2006 04:28	
Surrogate(s)						
Trifluorotoluene	8.1	53-125	%	1.00	01/17/2006 04:28	S3
4-Bromofluorobenzene-FID	65.8	58-124	%	1.00	01/17/2006 04:28	

Gas/BTEX Compounds (High Level)

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030AEXT
5030AEXT

Test(s): 8015M
8020

Method Blank **Soil** **QC Batch # 2006/01/13-05.05**

MB: 2006/01/13-05.05-001

Date Extracted: 01/13/2006 02:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	10	mg/Kg	01/13/2006 02:20	
Benzene	ND	0.62	mg/Kg	01/13/2006 02:20	
Toluene	ND	0.62	mg/Kg	01/13/2006 02:20	
Ethyl benzene	ND	0.62	mg/Kg	01/13/2006 02:20	
Xylene(s)	ND	0.62	mg/Kg	01/13/2006 02:20	
Surrogates(s)					
Trifluorotoluene	97.6	53-125	%	01/13/2006 02:20	
4-Bromofluorobenzene-FID	101.2	58-124	%	01/13/2006 02:20	

Gas/BTEX Compounds (High Level)

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030AEXT

Test(s): 8020

Laboratory Control Spike **Soil** **QC Batch # 2006/01/13-05.05**

LCS 2006/01/13-05.05-002 Extracted: 01/13/2006 Analyzed: 01/13/2006 02:48

LCSD 2006/01/13-05.05-003 Extracted: 01/13/2006 Analyzed: 01/13/2006 03:14

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.110	0.113	0.125	88.0	90.4	2.7	77-123	35		
Toluene	0.123	0.125	0.125	98.4	100.0	1.6	78-122	35		
Ethyl benzene	0.124	0.125	0.125	99.2	100.0	0.8	70-130	35		
Xylene(s)	0.391	0.395	0.375	104.3	105.3	1.0	75-125	35		
Surrogates(s)										
Trifluorotoluene	539	542	500	107.8	108.4		53-125	0		

Gas/BTEX Compounds (High Level)

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030AEXT

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2006/01/13-05.05**

LCS 2006/01/13-05.05-004 Extracted: 01/13/2006 Analyzed: 01/13/2006 03:41

LCSD 2006/01/13-05.05-005 Extracted: 01/19/2006 Analyzed: 01/19/2006 04:07

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	6.40	7.03	6.25	102.4	112.5	9.4	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	462	506	500	92.4	101.2		58-124	0		

Gas/BTEX Compounds (High Level)

Cambria Environmental Sonoma

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Legend and Notes

Analysis Flag

H3

Initial analysis within holding time but required dilution.

L2

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

Result Flag

S3

Surrogate recovery not reportable due to required dilution.

S4

Surrogate recovery was higher than QC limit due to matrix interference.

S5

Surrogate recoveries higher than acceptance limits.
Matrix interference suspected

S6

Surrogate recoveries lower than acceptance limits.
Matrix interference suspected

S7

Surrogate recoveries higher than acceptance limits.

Gas/BTEX by 8015M/8021

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8-W	01/03/2006 11:24	Water	4
B-23-W	01/03/2006 14:02	Water	9
MW-6-W	01/04/2006 11:34	Water	14
MW-7-W	01/04/2006 09:30	Water	19

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 268-8180

Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8-W**	Lab ID:	2006-01-0041 - 4
Sampled:	01/03/2006 11:24	Extracted:	1/11/2006 17:25 1/31/2006 16:28
Matrix:	Water	QC Batch#:	2006/01/11-01.73 2006/01/31-01.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	49000	50	ug/L	100.00	01/11/2006 17:25	
Benzene	1100	250	ug/L	500.00	01/31/2006 16:28	H2
Toluene	92	0.50	ug/L	500.00	01/31/2006 16:28	H2
Ethyl benzene	480	0.50	ug/L	500.00	01/31/2006 16:28	H2
Xylene(s)	2700	0.50	ug/L	500.00	01/31/2006 16:28	H2
Surrogate(s)						
Trifluorotoluene	92.9	58-124	%	500.00	01/31/2006 16:28	
4-Bromofluorobenzene-FID	95.7	50-150	%	100.00	01/11/2006 17:25	

Gas/BTEX by 8015M/8021

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Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**B-23-W**	Lab ID:	2006-01-0041 - 9
Sampled:	01/03/2006 14:02	Extracted:	1/11/2006 15:27 1/31/2006 16:54
Matrix:	Water	QC Batch#:	2006/01/11-01.73 2006/01/31-01.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	230000	25000	ug/L	500.00	01/11/2006 15:27	
Benzene	26000	250	ug/L	500.00	01/31/2006 16:54	H2
Toluene	700	250	ug/L	500.00	01/31/2006 16:54	H2
Ethyl benzene	920	250	ug/L	500.00	01/31/2006 16:54	H2
Xylene(s)	110000	250	ug/L	500.00	01/31/2006 16:54	J3,H2
Surrogate(s)						
Trifluorotoluene	120.5	58-124	%	500.00	01/31/2006 16:54	
4-Bromofluorobenzene-FID	96.1	50-150	%	500.00	01/11/2006 15:27	

Gas/BTEX by 8015M/8021

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Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6-W**	Lab ID:	2006-01-0041 - 14
Sampled:	01/04/2006 11:34	Extracted:	1/11/2006 18:00 1/31/2006 17:21
Matrix:	Water	QC Batch#:	2006/01/11-01.73 2006/01/31-01.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	59000	25000	ug/L	500.00	01/11/2006 18:00	
Benzene	6400	100	ug/L	200.00	01/31/2006 17:21	H2
Toluene	890	100	ug/L	200.00	01/31/2006 17:21	H2
Ethyl benzene	2200	100	ug/L	200.00	01/31/2006 17:21	H2
Xylene(s)	8100	100	ug/L	200.00	01/31/2006 17:21	H2
Surrogate(s)						
Trifluorotoluene	88.5	58-124	%	200.00	01/31/2006 17:21	
4-Bromofluorobenzene-FID	92.0	50-150	%	500.00	01/11/2006 18:00	

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Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7-W**	Lab ID:	2006-01-0041 - 19
Sampled:	01/04/2006 09:30	Extracted:	1/11/2006 18:34 1/31/2006 17:47
Matrix:	Water	QC Batch#:	2006/01/11-01.73 2006/01/31-01.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	83000	25000	ug/L	500.00	01/11/2006 18:34	
Benzene	4400	0.5	ug/L	500.00	01/31/2006 17:47	H2
Toluene	930	0.5	ug/L	500.00	01/31/2006 17:47	H2
Ethyl benzene	3200	0.5	ug/L	500.00	01/31/2006 17:47	H2
Xylene(s)	16000	0.5	ug/L	500.00	01/31/2006 17:47	H2
Surrogate(s)						
Trifluorotoluene	83.3	58-124	%	1.00	01/31/2006 17:47	
4-Bromofluorobenzene-FID	84.2	50-150	%	1.00	01/11/2006 18:34	

Gas/BTEX by 8015M/8021

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Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2006/01/11-01.73**

MB: 2006/01/11-01.73-001 Date Extracted: 01/11/2006 12:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/12/2006	
Surrogates(s)					
4-Bromofluorobenzene-FID	96.2	50-150	%	01/12/2006	

Gas/BTEX by 8015M/8021

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Batch QC Report

Prep(s): 5030 Test(s): 8021B

Method Blank **Water** **QC Batch # 2006/01/31-01.05**

MB: 2006/01/31-01.05-001 Date Extracted: 01/31/2006 11:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	01/31/2006 11:56	
Toluene	ND	0.5	ug/L	01/31/2006 11:56	
Ethyl benzene	ND	0.5	ug/L	01/31/2006 11:56	
Xylene(s)	ND	0.5	ug/L	01/31/2006 11:56	
Surrogates(s)					
Trifluorotoluene	96.6	58-124	%	01/31/2006 11:56	

Gas/BTEX by 8015M/8021

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Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2006/01/11-01.73**

LCS 2006/01/11-01.73-002 Extracted: 01/11/2006 Analyzed: 01/11/2006 12:55
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	203		250	81.2			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	463		500	92.6			50-150	0		

Gas/BTEX by 8015M/8021

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Batch QC Report

Prep(s): 5030 Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2006/01/31-01.05**

LCS 2006/01/31-01.05-002 Extracted: 01/31/2006 Analyzed: 01/31/2006 12:22
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	50.6		50.0	101.2			77-123	20		
Toluene	50.3		50.0	100.6			78-122	20		
Ethyl benzene	48.2		50.0	96.4			70-130	20		
Xylene(s)	147		150	98.0			75-125	20		
Surrogates(s)										
Trifluorotoluene	475		500	95.0			58-124	0		

Gas/BTEX by 8015M/8021

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2006/01/31-01.05**

MW-6-W >> MS Lab ID: 2006-01-0041 - 014

MS: 2006/01/31-01.05-003 Extracted: 01/31/2006 Analyzed: 01/31/2006 18:13
Dilution: 200.00

MSD: 2006/01/31-01.05-004 Extracted: 01/31/2006 Analyzed: 01/31/2006 18:39
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	13600	14300	6390	10000.0	72.1	79.1	9.3	65-135	20		
Toluene	8840	9650	894	10000.0	79.5	87.6	9.7	65-135	20		
Ethyl benzene	9850	10300	2230	10000.0	76.2	80.7	5.7	65-135	20		
Xylene(s)	30800	32800	8050	30000.0	75.8	82.5	8.5	65-135	20		
Surrogate(s)											
Trifluorotoluene	415	469		500	83.0	93.8		58-124	0		

Gas/BTEX by 8015M/8021

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Legend and Notes

Report Comment

BTEX analyte concentrations were confirmed with PID pre-screening within holding time.

Sample Comment

Lab ID: 2006-01-0041 -19

Gasoline MS/MSD was analyzed on our new computer system. Report can be provided upon request.

Analysis Flag

L2

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

Result Flag

H2

Analyzed out of holding time.

J3

Estimated value. The concentration exceeded the calibration of analysis.

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

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8-6.5	01/03/2006 10:33	Soil	1
B-23-5	01/03/2006 13:23	Soil	5
MW-7-19.5	01/04/2006 09:18	Soil	18

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

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8-6.5**	Lab ID:	2006-01-0041 - 1
Sampled:	01/03/2006 10:33	Extracted:	2/1/2006 16:44
Matrix:	Soil	QC Batch#:	2006/02/01-1A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/01/2006 16:44	
Benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 16:44	
Toluene	ND	0.0050	mg/Kg	1.00	02/01/2006 16:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 16:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/01/2006 16:44	
Surrogate(s)						
1,2-Dichloroethane-d4	101.5	72-124	%	1.00	02/01/2006 16:44	
Toluene-d8	93.2	72-116	%	1.00	02/01/2006 16:44	

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

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-23-5**	Lab ID:	2006-01-0041 - 5
Sampled:	01/03/2006 13:23	Extracted:	2/1/2006 17:10
Matrix:	Soil	QC Batch#:	2006/02/01-1A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/01/2006 17:10	
Benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Toluene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Surrogate(s)						
1,2-Dichloroethane-d4	103.7	72-124	%	1.00	02/01/2006 17:10	
Toluene-d8	96.9	72-116	%	1.00	02/01/2006 17:10	

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

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Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7-19.5**	Lab ID:	2006-01-0041 - 18
Sampled:	01/04/2006 09:18	Extracted:	2/1/2006 17:36
Matrix:	Soil	QC Batch#:	2006/02/01-1A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/01/2006 17:36	
Benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:36	
Toluene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:36	
Total xylenes	0.010	0.0050	mg/Kg	1.00	02/01/2006 17:36	
Surrogate(s)						
1,2-Dichloroethane-d4	95.5	72-124	%	1.00	02/01/2006 17:36	
Toluene-d8	89.6	72-116	%	1.00	02/01/2006 17:36	

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

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Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2006/02/01-1A.62**

MB: 2006/02/01-1A.62-013 — Date Extracted: 02/01/2006 15:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	02/01/2006 15:13	
Gasoline	ND	1.0	mg/Kg	02/01/2006 15:13	
Benzene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Toluene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Ethyl benzene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Total xylenes	ND	0.0050	mg/Kg	02/01/2006 15:13	
Surrogates(s)					
1,2-Dichloroethane-d4	96.2	72-124	%	02/01/2006 15:13	
Toluene-d8	94.4	72-116	%	02/01/2006 15:13	

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

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2006/02/01-1A.62**

LCS 2006/02/01-1A.62-020 Extracted: 02/01/2006 Analyzed: 02/01/2006 14:20

LCSD 2006/02/01-1A.62-049 Extracted: 02/01/2006 Analyzed: 02/01/2006 18:49

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0645	0.0572	0.05	129.0	114.4	12.0	69-129	20		
Toluene	0.0558	0.0478	0.05	111.6	95.6	15.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	450	457	500	90.0	91.4		72-124			
Toluene-d8	454	472	500	90.8	94.4		72-116			

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

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Site: 2703 Martin Luther King Jr Way, Oakland

Legend and Notes

Sample Comment

Lab ID: 2006-01-0041 -1

Re-logged from Gas/BTEX group past hold time. There was no QC available from original run on the 8015/8021 instrument.

Lab ID: 2006-01-0041 -18

Re-logged from Gas/BTEX group past hold time. There was no QC available from original run on the 8015/8021 instrument.

Lab ID: 2006-01-0041 -5

Re-logged from Gas/BTEX group past hold time. There was no QC available from original run on the 8015/8021 instrument.

Analysis Flag

H1

Extracted out of holding time.

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

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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-6-5	01/04/2006 10:53	Soil	10
MW-6-19.5	01/04/2006 11:15	Soil	13
MW-7-5.5	01/04/2006 08:57	Soil	15
MW-7-11.5	01/04/2006 09:07	Soil	16

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

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Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6-5**	Lab ID:	2006-01-0041 - 10
Sampled:	01/04/2006 10:53	Extracted:	1/27/2006 05:13
Matrix:	Soil	QC Batch#:	2006/01/26-2A.62

Analysis Flag: H1,L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	4.9	mg/Kg	4.90	01/27/2006 05:13	
Benzene	ND	0.025	mg/Kg	4.90	01/27/2006 05:13	
Toluene	ND	0.025	mg/Kg	4.90	01/27/2006 05:13	
Ethyl benzene	0.025	0.025	mg/Kg	4.90	01/27/2006 05:13	
Total xylenes	0.044	0.025	mg/Kg	4.90	01/27/2006 05:13	
Surrogate(s)						
1,2-Dichloroethane-d4	158.7	72-124	%	4.90	01/27/2006 05:13	S7
Toluene-d8	93.1	72-116	%	4.90	01/27/2006 05:13	

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

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Sonoma, CA 95476
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6-19.5**	Lab ID:	2006-01-0041 - 13
Sampled:	01/04/2006 11:15	Extracted:	1/27/2006 05:39
Matrix:	Soil	QC Batch#:	2006/01/26-2A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2006 05:39	
Benzene	0.0090	0.0050	mg/Kg	1.00	01/27/2006 05:39	
Toluene	ND	0.0050	mg/Kg	1.00	01/27/2006 05:39	
Ethyl benzene	0.010	0.0050	mg/Kg	1.00	01/27/2006 05:39	
Total xylenes	0.022	0.0050	mg/Kg	1.00	01/27/2006 05:39	
Surrogate(s)						
1,2-Dichloroethane-d4	97.5	72-124	%	1.00	01/27/2006 05:39	
Toluene-d8	92.6	72-116	%	1.00	01/27/2006 05:39	

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

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Project: 248-0781
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Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7-5.5**	Lab ID:	2006-01-0041 - 15
Sampled:	01/04/2006 08:57	Extracted:	1/27/2006 06:05
Matrix:	Soil	QC Batch#:	2006/01/26-2A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	01/27/2006 06:05	
Benzene	ND	0.0050	mg/Kg	1.00	01/27/2006 06:05	
Toluene	ND	0.0050	mg/Kg	1.00	01/27/2006 06:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	01/27/2006 06:05	
Total xylenes	0.013	0.0050	mg/Kg	1.00	01/27/2006 06:05	
Surrogate(s)						
1,2-Dichloroethane-d4	97.0	72-124	%	1.00	01/27/2006 06:05	
Toluene-d8	86.8	72-116	%	1.00	01/27/2006 06:05	

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 268-3812 Fax: (707) 268-8180

Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7-11.5**	Lab ID:	2006-01-0041 - 16
Sampled:	01/04/2006 09:07	Extracted:	1/27/2006 06:32
Matrix:	Soil	QC Batch#:	2006/01/26-2A.62

Analysis Flag: H1,L2,N1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7.1	5.0	mg/Kg	4.95	01/27/2006 06:32	
Benzene	ND	0.025	mg/Kg	4.95	01/27/2006 06:32	
Toluene	ND	0.025	mg/Kg	4.95	01/27/2006 06:32	
Ethyl benzene	0.19	0.025	mg/Kg	4.95	01/27/2006 06:32	
Total xylenes	5.2	0.025	mg/Kg	4.95	01/27/2006 06:32	J3
Surrogate(s)						
1,2-Dichloroethane-d4	115.8	72-124	%	4.95	01/27/2006 06:32	
Toluene-d8	50.8	72-116	%	4.95	01/27/2006 06:32	S8

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2006/01/26-2A.62**

MB: 2006/01/26-2A.62-007 — Date Extracted: 01/26/2006 22:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	01/26/2006 22:07	
Gasoline	ND	1.0	mg/Kg	01/26/2006 22:07	
Benzene	ND	0.0050	mg/Kg	01/26/2006 22:07	
Toluene	ND	0.0050	mg/Kg	01/26/2006 22:07	
Ethyl benzene	ND	0.0050	mg/Kg	01/26/2006 22:07	
Total xylenes	ND	0.0050	mg/Kg	01/26/2006 22:07	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	72-124	%	01/26/2006 22:07	
Toluene-d8	94.4	72-116	%	01/26/2006 22:07	

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2006/01/26-2A.62**

LCS 2006/01/26-2A.62-041 Extracted: 01/26/2006 Analyzed: 01/26/2006 21:41

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0448		0.05	89.6			69-129	20		
Toluene	0.0475		0.05	95.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	491		500	98.2			72-124			
Toluene-d8	473		500	94.6			72-116			

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

Cambria Environmental Sonoma
Attn.: Ana Friel

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Sonoma, CA 95476
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2006/01/26-2A.62**

MS/MSD Lab ID: 2006-01-0138 - 001

MS: 2006/01/26-2A.62-057 Extracted: 01/26/2006 Analyzed: 01/26/2006 23:57
Dilution: 1.00

MSD: 2006/01/26-2A.62-024 Extracted: 01/27/2006 Analyzed: 01/27/2006 00:24
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0573	0.0432	ND	0.047259	121.1	87.1	32.7	69-129	20		R1
Toluene	0.0639	0.0480	ND	0.047259	135.1	96.8	33.0	70-130	20	M4	R1
Surrogate(s)											
1,2-Dichloroethane-d4	471	475		500	94.3	95.0		72-124			
Toluene-d8	471	489		500	94.2	97.8		72-116			

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Legend and Notes

Report Comment

An Internal Standard is below control limits, which results in a possible high bias for the Ethylbenzene and Xylenes results.

Analysis Flag

H1

Extracted out of holding time.

L2

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

N1

Internal standard out of range.

Result Flag

J3

Estimated value. The concentration exceeded the calibration of analysis.

M4

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

R1

Analyte RPD was out of QC limits.

S7

Surrogate recoveries higher than acceptance limits.

S8

Surrogate recoveries lower than acceptance limits.

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

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-23-5	01/03/2006 13:23	Soil	5

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

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-23-5**	Lab ID:	2006-01-0041 - 5
Sampled:	01/03/2006 13:23	Extracted:	2/1/2006 17:10
Matrix:	Soil	QC Batch#:	2006/02/01-1A.62

Analysis Flag: H1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/01/2006 17:10	
Benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Toluene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Total xylenes	ND	0.0050	mg/Kg	1.00	02/01/2006 17:10	
Surrogate(s)						
1,2-Dichloroethane-d4	103.7	72-124	%	1.00	02/01/2006 17:10	
Toluene-d8	96.9	72-116	%	1.00	02/01/2006 17:10	

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2006/02/01-1A.62**

MB: 2006/02/01-1A.62-013 — Date Extracted: 02/01/2006 15:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	02/01/2006 15:13	
Gasoline	ND	1.0	mg/Kg	02/01/2006 15:13	
Benzene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Toluene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Ethyl benzene	ND	0.0050	mg/Kg	02/01/2006 15:13	
Total xylenes	ND	0.0050	mg/Kg	02/01/2006 15:13	
Surrogates(s)					
1,2-Dichloroethane-d4	96.2	72-124	%	02/01/2006 15:13	
Toluene-d8	94.4	72-116	%	02/01/2006 15:13	

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2006/02/01-1A.62**

LCS 2006/02/01-1A.62-020 Extracted: 02/01/2006 Analyzed: 02/01/2006 14:20

LCSD 2006/02/01-1A.62-049 Extracted: 02/01/2006 Analyzed: 02/01/2006 18:49

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0645	0.0572	0.05	129.0	114.4	12.0	69-129	20		
Toluene	0.0558	0.0478	0.05	111.6	95.6	15.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	450	457	500	90.0	91.4		72-124			
Toluene-d8	454	472	500	90.8	94.4		72-116			

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

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Legend and Notes

Sample Comment

Lab ID: 2006-01-0041 -5

Re-logged from Gas/BTEX group past hold time. There was no QC available from original run on the 8015/8021 instrument.

Analysis Flag

H1

Extracted out of holding time.

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8-W	01/03/2006 11:24	Water	4

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8-W**	Lab ID:	2006-01-0041 - 4
Sampled:	01/03/2006 11:24	Extracted:	1/11/2006 17:25 1/31/2006 16:28
Matrix:	Water	QC Batch#:	2006/01/11-01.73 2006/01/31-01.05

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	49000	5000	ug/L	100.00	01/11/2006 17:25	
Benzene	1100	250	ug/L	500.00	01/31/2006 16:28	H2
Toluene	ND	250	ug/L	500.00	01/31/2006 16:28	H2
Ethyl benzene	480	250	ug/L	500.00	01/31/2006 16:28	H2
Xylene(s)	2700	250	ug/L	500.00	01/31/2006 16:28	H2
Surrogate(s)						
Trifluorotoluene	92.9	58-124	%	500.00	01/31/2006 16:28	
4-Bromofluorobenzene-FID	95.7	50-150	%	100.00	01/11/2006 17:25	

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

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270 Perkins Street
Sonoma, CA 95476
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Method Blank **Water** **QC Batch # 2006/01/11-01.73**

MB: 2006/01/11-01.73-001 Date Extracted: 01/11/2006 12:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	01/12/2006	
Surrogates(s)					
4-Bromofluorobenzene-FID	96.2	50-150	%	01/12/2006	

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

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270 Perkins Street
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Method Blank **Water** **QC Batch # 2006/01/31-01.05**

MB: 2006/01/31-01.05-001 Date Extracted: 01/31/2006 11:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	01/31/2006 11:56	
Toluene	ND	0.5	ug/L	01/31/2006 11:56	
Ethyl benzene	ND	0.5	ug/L	01/31/2006 11:56	
Xylene(s)	ND	0.5	ug/L	01/31/2006 11:56	
Surrogates(s)					
Trifluorotoluene	96.6	58-124	%	01/31/2006 11:56	

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2006/01/11-01.73**

LCS 2006/01/11-01.73-002 Extracted: 01/11/2006 Analyzed: 01/11/2006 12:55
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	203		250	81.2			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	463		500	92.6			50-150	0		

Gas/BTEX by 8015M/8021

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2006/01/31-01.05**

LCS 2006/01/31-01.05-002 Extracted: 01/31/2006 Analyzed: 01/31/2006 12:22
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	50.6		50.0	101.2			77-123	20		
Toluene	50.3		50.0	100.6			78-122	20		
Ethyl benzene	48.2		50.0	96.4			70-130	20		
Xylene(s)	147		150	98.0			75-125	20		
Surrogates(s)										
Trifluorotoluene	475		500	95.0			58-124	0		

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma
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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2006/01/31-01.05**

MW-6-W >> MS Lab ID: 2006-01-0041 - 014

MS: 2006/01/31-01.05-003 Extracted: 01/31/2006 Analyzed: 01/31/2006 18:13
Dilution: 200.00

MSD: 2006/01/31-01.05-004 Extracted: 01/31/2006 Analyzed: 01/31/2006 18:39
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	13600	14300	6390	10000.0	72.1	79.1	9.3	65-135	20		
Toluene	8840	9650	894	10000.0	79.5	87.6	9.7	65-135	20		
Ethyl benzene	9850	10300	2230	10000.0	76.2	80.7	5.7	65-135	20		
Xylene(s)	30800	32800	8050	30000.0	75.8	82.5	8.5	65-135	20		
Surrogate(s)											
Trifluorotoluene	415	469		500	83.0	93.8		58-124	0		

Gas/BTEX by 8015M/8021

Cambria Environmental Sonoma

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Project: 248-0781
97093397

Received: 01/05/2006 17:04

Site: 2703 Martin Luther King Jr Way, Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

H2

Analyzed out of holding time.

300019

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced: 2006-01-0041 Denis Brown

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT: HOUSTON

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

SAP or CRMT NUMBER (TS/CRMT):

DATE: 1/4/06

PAGE: 1 of 2

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL

LOG CODE:

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

GLOBAL ID NO.: T0600101876

ADDRESS: 270 PERKINS STREET, SONOMA, CA

EDF DELIVERABLE TO (Responsible Party or Designee): SONOMAEDF@CAMBRIA-ENV.COM

PHONE NO.: –

E-MAIL: –

CONSULTANT PROJECT NO.: 248-0781

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

TELEPHONE: 707-268-3812

FAX: 707 268 8180

E-MAIL: AFRIEL@CAMBRIA-ENV.COM

SAMPLER NAME(S) (Print): BILL DE BOER

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ 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.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	TPH - Gas, Purgeable 8021	BTEX 8021	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48–)	TOTAL LEAD	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note
1	MW-B-6.5	1/3	1033	S	1	X	X															X			
2	MW-B-10.5	1/3	1048	S	1	X	X															X			
3	MW-B-19.5	1/3	1107	S	1	X	X																		
4	MW-B-W	1/3	1124	W	4	X	X																		
5	B-23-5	1/3	1323	S	1	X	X															X			
6	B-23-10	1/3	1327	S	1	X	X															X			
7	B-23-15.5	1/3	1334	S	1	X	X																		
8	B-23-19.5	1/3	1354	S	1	X	X																		
9	B-23-W	1/3	1402	W	4	X	X																		

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

TEMPERATURE ON RECEIPT C°: 2

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Anna Avina		1/6/06	1704
		01/05/06	1900

Q&Q Graphic (714) 838-9702

LAB: STL

300019

SHELL Chain Of Custody Record

Lab Name (if necessary):

Address:

City, State, Zip

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

DENIS BROWN
2006-01-0041

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

SAP or CRMT NUMBER (TS/CRMT):

DATE 1/4/06

PAGE 2 of 2

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL	LOG CODE:	SITE ADDRESS (Street and City): 2703 MARTIN LUTHER KING JR. WAY, OAKLAND	GLOBAL ID NO.: T0600101876
ADDRESS: 270 PERKINS ST, SONOMA, CA		EDF DELIVERABLE TO (Responsible Party or Designee): SONOMAEDF@CAMBRIA-ENV.COM	PHONE NO.: —
PROJECT CONTACT (Hardcopy or PDF Report to): ANA FRIEL			E-MAIL: —
TELEPHONE: 707 268 3812	FAX: 707 268 8180	E-MAIL: AFRIEL@CAMBRIA-ENV.COM	SAMPLER NAME(S) (Print): BILL DE BOER
			CONSULTANT PROJECT NO.: 249-0781
			LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ 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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable 8021	BTEX 8021	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-__)	TOTAL LEAD	TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note
10	MW-6-5	1/4	1053	S	1	X	X															X			
11	MW-6-10	1/4	1101	S	1	X	X															X			
12	MW-6-15.5	1/4	1108	S	1	X	X																		
13	MW-6-19.5	1/4	1115	S	1	X	X																		
14	MW-6-W	1/4	1134	W	4	X	X																		
15	MW-7-5.5	1/4	0857	S	1	X	X															X			
16	MW-7-11.5	1/4	0907	S	1	X	X															X			
17	MW-7-16.5	1/4	0914	S	1	X	X																		
18	MW-7-19.5	1/4	0918	S	1	X	X																		
19	MW-7-W	1/4	0930	W	4	X	X																		

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

TEMPERATURE ON RECEIPT C°: 2

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date 1/5/06	Time 1704
Relinquished by: (Signature) 1/5/06	Received by: (Signature)	Date 01/05/06	Time 1900

Appendix H

Green Liquid Photos and Laboratory Report

KIFF Analytical LLC

Report Number : 48666
Date : 3/31/2006

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

Subject : 2 Water Samples
Project Name : 2703 MARTIN LUTHER KING JR. WAY, OAKLAND
Project Number : 248-0710
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 : 48666
Date : 3/31/2006

Subject : 2 Water Samples
Project Name : 2703 MARTIN LUTHER KING JR. WAY, OAKLAND
Project Number : 248-0710
P.O. Number : 97093397

Case Narrative

Sample PH4-1 has increased Method Reporting Limits because the sample was diluted. The sample has a high concentration of Ethanol.

The Ethanol concentration for sample PH4-1 is over the working range of the instrument. The result reported is flagged with a 'J' and should be considered an estimate. No unexpired sample is available for re-analysis.

Approved By: Joel Kiff

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

KIFF Analytical LLC

Report Number : 48666

Date : 3/31/2006

Sample : **PH4-2**

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

Project Number : **248-0710** Lab Number : 48666-01 Date Analyzed : 3/3/2006

Matrix : Water Sample Date : 3/1/2006 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
TPH as Gasoline	< 50	50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	< 0.50	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL [1]	Units
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
P,M-Xylene	< 1.0	1.0	ug/L
O-Xylene	< 0.50	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	< 0.50	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L
sec-Butylbenzene	< 0.50	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	< 0.50	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
Dibromofluoromethane (Surr)	107		% Recovery
1,2-Dichloroethane-d4 (Surr)	103		% Recovery
Toluene-d8 (Surr)	100		% Recovery
4-Bromofluorobenzene (Surr)	108		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:

Joel Kiff

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

KIFF Analytical LLC

Report Number : 48666

Date : 3/31/2006

Sample : **PH4-1**

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

Project Number : **248-0710** Lab Number : 48666-02 Date Analyzed : 3/3/2006

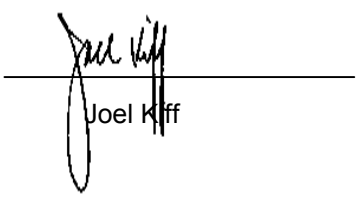
Matrix : Water Sample Date : 2/28/2006 Analysis Method: EPA 8260B

Parameter	Measured Value	MRL [1]	Units
TPH as Gasoline	< 1000	1000	ug/L
Methyl-t-butyl ether (MTBE)	< 10	10	ug/L
Diisopropyl ether (DIPE)	< 10	10	ug/L
Ethyl-t-butyl ether (ETBE)	< 10	10	ug/L
Tert-amyl methyl ether (TAME)	< 10	10	ug/L
Tert-Butanol	< 60	60	ug/L
Ethanol	**36000 J**	100	ug/L
Dichlorodifluoromethane	< 10	10	ug/L
Chloromethane	< 10	10	ug/L
Vinyl Chloride	< 10	10	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 10	10	ug/L
Trichlorofluoromethane	< 10	10	ug/L
1,1-Dichloroethene	< 10	10	ug/L
Methylene Chloride	< 10	10	ug/L
trans-1,2-Dichloroethene	< 10	10	ug/L
1,1-Dichloroethane	< 10	10	ug/L
2,2-Dichloropropane	< 10	10	ug/L
cis-1,2-Dichloroethene	< 10	10	ug/L
Chloroform	< 10	10	ug/L
Bromochloromethane	< 10	10	ug/L
1,1,1-Trichloroethane	< 10	10	ug/L
1,1-Dichloropropene	< 10	10	ug/L
1,2-Dichloroethane	< 10	10	ug/L
Carbon Tetrachloride	< 10	10	ug/L
Benzene	< 10	10	ug/L
Trichloroethene	< 10	10	ug/L
1,2-Dichloropropane	< 10	10	ug/L
Bromodichloromethane	< 10	10	ug/L
Dibromomethane	< 10	10	ug/L
cis-1,3-Dichloropropene	< 10	10	ug/L
Toluene	< 10	10	ug/L
trans-1,3-Dichloropropene	< 10	10	ug/L
1,1,2-Trichloroethane	< 10	10	ug/L
1,3-Dichloropropane	< 10	10	ug/L
Tetrachloroethene	< 10	10	ug/L
Dibromochloromethane	< 10	10	ug/L

Parameter	Measured Value	MRL [1]	Units
1,2-Dibromoethane	< 10	10	ug/L
Chlorobenzene	< 10	10	ug/L
1,1,1,2-Tetrachloroethane	< 10	10	ug/L
Ethylbenzene	< 10	10	ug/L
P,M-Xylene	< 25	25	ug/L
O-Xylene	< 10	10	ug/L
Styrene	< 10	10	ug/L
Isopropyl benzene	< 10	10	ug/L
Bromoform	< 10	10	ug/L
1,1,2,2-Tetrachloroethane	< 10	10	ug/L
1,2,3-Trichloropropane	< 10	10	ug/L
n-Propylbenzene	< 10	10	ug/L
Bromobenzene	< 10	10	ug/L
1,3,5-Trimethylbenzene	< 10	10	ug/L
2+4-Chlorotoluene	< 25	25	ug/L
tert-Butylbenzene	< 10	10	ug/L
1,2,4-Trimethylbenzene	< 10	10	ug/L
sec-Butylbenzene	< 10	10	ug/L
p-Isopropyltoluene	< 10	10	ug/L
1,3-Dichlorobenzene	< 10	10	ug/L
1,4-Dichlorobenzene	< 10	10	ug/L
n-Butylbenzene	< 10	10	ug/L
1,2-Dichlorobenzene	< 10	10	ug/L
1,2-Dibromo-3-chloropropane	< 10	10	ug/L
1,2,4-Trichlorobenzene	< 10	10	ug/L
Hexachlorobutadiene	< 10	10	ug/L
Naphthalene	< 10	10	ug/L
1,2,3-Trichlorobenzene	< 10	10	ug/L
Dibromofluoromethane (Surr)	111		% Recovery
1,2-Dichloroethane-d4 (Surr)	101		% Recovery
Toluene-d8 (Surr)	97.5		% Recovery
4-Bromofluorobenzene (Surr)	111		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:



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

Report Number : 48666

Date : 3/31/2006

QC Report : Method Blank Data

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

Project Number : **248-0710**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/3/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/3/2006
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	3/3/2006
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Bromomethane	< 20	20	ug/L	EPA 8260B	3/3/2006
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	3/3/2006
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	3/3/2006
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Styrene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	3/3/2006
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/3/2006
Dibromofluoromethane (Surr)	111		%	EPA 8260B	3/3/2006
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	3/3/2006
Toluene - d8 (Surr)	96.4		%	EPA 8260B	3/3/2006
4-Bromofluorobenzene (Surr)	109		%	EPA 8260B	3/3/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48666

Date : 3/31/2006

QC Report : Method Blank Data

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

Project Number : **248-0710**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/2/2006
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/2/2006
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Bromomethane	< 20	20	ug/L	EPA 8260B	3/2/2006
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	3/2/2006
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	3/2/2006
O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Styrene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Bromoform	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	3/2/2006
tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	3/2/2006
Dibromofluoromethane (Surr)	106		%	EPA 8260B	3/2/2006
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	3/2/2006
Toluene - d8 (Surr)	99.0		%	EPA 8260B	3/2/2006
4-Bromofluorobenzene (Surr)	109		%	EPA 8260B	3/2/2006

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48666

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0710**

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
1,1-Dichloroethane	48645-02	<0.50	38.7	39.9	38.7	41.2	ug/L	EPA 8260B	3/3/06	100	103	3.09	70-130	25
Benzene	48645-02	1.0	38.7	39.9	40.4	42.6	ug/L	EPA 8260B	3/3/06	102	104	2.31	70-130	25
1,2-Dichloroethane	48645-02	<0.50	38.7	39.9	38.5	41.0	ug/L	EPA 8260B	3/3/06	99.5	103	3.34	70-130	25
Toluene	48645-02	1.0	38.7	39.9	39.0	41.7	ug/L	EPA 8260B	3/3/06	98.0	102	3.88	70-130	25
Chlorobenzene	48645-02	<0.50	38.7	39.9	40.6	43.0	ug/L	EPA 8260B	3/3/06	105	108	2.65	70-130	25
Tert-Butanol	48645-02	<5.0	193	200	190	199	ug/L	EPA 8260B	3/3/06	98.1	99.7	1.64	70-130	25
Methyl-t-Butyl Ether	48645-02	0.51	38.7	39.9	37.4	39.9	ug/L	EPA 8260B	3/3/06	95.5	98.7	3.32	70-130	25
1,1-Dichloroethane	48661-12	<0.50	40.0	40.0	43.0	42.2	ug/L	EPA 8260B	3/2/06	107	106	1.78	70-130	25
Benzene	48661-12	<0.50	40.0	40.0	41.1	40.4	ug/L	EPA 8260B	3/2/06	103	101	1.66	70-130	25
1,2-Dichloroethane	48661-12	<0.50	40.0	40.0	43.5	43.5	ug/L	EPA 8260B	3/2/06	109	109	0.00568	70-130	25
Toluene	48661-12	<0.50	40.0	40.0	40.3	39.9	ug/L	EPA 8260B	3/2/06	101	99.8	1.02	70-130	25
Chlorobenzene	48661-12	<0.50	40.0	40.0	42.8	42.4	ug/L	EPA 8260B	3/2/06	107	106	1.01	70-130	25
Tert-Butanol	48661-12	<5.0	200	200	207	207	ug/L	EPA 8260B	3/2/06	103	104	0.172	70-130	25
Methyl-t-Butyl Ether	48661-12	<0.50	40.0	40.0	38.7	38.9	ug/L	EPA 8260B	3/2/06	96.7	97.2	0.448	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 48666

QC Report : Laboratory Control Sample (LCS)

Date : 3/31/2006

Project Name : **2703 MARTIN LUTHER**

Project Number : **248-0710**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1-Dichloroethane	40.0	ug/L	EPA 8260B	3/3/06	104	70-130
Benzene	40.0	ug/L	EPA 8260B	3/3/06	104	70-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	3/3/06	101	70-130
Toluene	40.0	ug/L	EPA 8260B	3/3/06	98.5	70-130
Chlorobenzene	40.0	ug/L	EPA 8260B	3/3/06	107	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/3/06	97.4	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/3/06	97.2	70-130
1,1-Dichloroethane	40.0	ug/L	EPA 8260B	3/2/06	92.4	70-130
Benzene	40.0	ug/L	EPA 8260B	3/2/06	89.4	70-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	3/2/06	99.0	70-130
Toluene	40.0	ug/L	EPA 8260B	3/2/06	92.3	70-130
Chlorobenzene	40.0	ug/L	EPA 8260B	3/2/06	97.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/2/06	94.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/2/06	91.5	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.: 06-03-0179**
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.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYTICAL REPORT

Kiff Analytical	Date Sampled:	03/01/06
2795 2nd Street, Suite 300	Date Received:	03/03/06
Davis, CA 95616-6593	Date Extracted:	N/A
	Date Analyzed:	03/06/06
	Work Order No.:	06-03-0179
Attn: Joel Kiff	Method:	GC/FID
RE: 2703 Martin Luther King Jr. Way, Oakland	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Ethylene Glycol Concentration	Reporting Limit
PH4-2	ND	50
Method Blank	ND	50

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/03/06
2795 2nd Street, Suite 300		Work Order No:	06-03-0179
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L

Project: 2703 Martin Luther King Jr. Way, Oakland

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
PH4-2	**06-03-0179-1**	**03/01/06**	**Aqueous**	**03/03/06**	**03/06/06**	**060303L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	0.0361	0.0050	1		Zinc	0.0447	0.0100	1	
Lead	0.0234	0.0100	1						

Method Blank	**097-01-003-5,876**	**N/A**	**Aqueous**	**03/03/06**	**03/03/06**	**060303L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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: 06-03-0179
Preparation: EPA 3010A Total
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
PH4-2	**Aqueous**	**ICP 3300**	**03/03/06**	**03/06/06**	**060303S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	93	93	80-120	0	0-20	
Lead	104	102	80-120	2	0-20	
Zinc	107	105	80-120	2	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:	06-03-0179
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		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
097-01-003-5,876	**Aqueous**	**ICP 3300**	**03/03/06**	**060303L05**	**060303L05**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	0.500	0.456	91	80-120	
Lead	0.500	0.506	101	80-120	
Zinc	0.500	0.497	99	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Method GC/FID

Kiff Analytical		Work Order No.:	06-03-0179
Page 1 of 1		Date Analyzed:	03/06/06

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: PH4-2

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Ethylene Glycol	96	99	50 - 150	3	0 - 25

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
Ethylene Glycol	100	97	97	50 - 150

Surrogate Recoveries (in %)

Sample Number	S1
PH4-2	84
Method Blank	85

Surrogate Compound	%REC Acceptable Limits
S1 > Hexafluoro-2-propanol	50 - 150

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-03-0179

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. 0179

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.:

EDF Deliverable to (Email Address):

Project Number: 248-0710 P.O. No.: 48666

E-mail address: inbox@kiffanalytical.com

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

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 Copper, Lead & Zinc	Ethylene Glycol							March 8, 2006	
PH4-2	03/01/06	12:00		2	2				X	X	X					X	X							X	

Relinquished by:	Date	Time	Received by:
Ed W Ty Kiff Analytical	03/02/06	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/3/06	0830	CCL

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 03 - 0179

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: kiff **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):

3.4 °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:

48666

KIFF ANALYTICAL

720 Olive Drive, Suite D
Davis, CA 95616
(530) 297-4800 x 111 (530) 297-4803 fax

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON
Dennis Brown

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 7
SAP or CRMT NUMBER (TS/CRMT):

DATE: 3/1/06
PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental
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
EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: 248-0718
PROJECT CONTACT (Hardcopy or PDF Report to): Alia Fuller
SAMPLER NAME(S) (Print): Bill DeBoer
TELEPHONE: 707 268 3812
FAX: 707 268 8180
E-MAIL: AFuller@cambria-env.com
LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ 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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Metals	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)	Ethylene Glycol	TPH - Diesel, Extractable (8015m)	Full 8260B scan	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°
	PH4-2	3/1	1200	W	10							X										X		X		01
	PH4-1	2/28	1600	W	4																			X		02

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

Sample Receipt
Temp °C 0.6 Therm. ID# IR-1
Initial JA Date 030106
Time 1632 Coolant present: (Y) N

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Bill DeBoer			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	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 08, 2006

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

Subject: **Calscience Work Order No.: 06-03-0179**
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.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYTICAL REPORT

Kiff Analytical	Date Sampled:	03/01/06
2795 2nd Street, Suite 300	Date Received:	03/03/06
Davis, CA 95616-6593	Date Extracted:	N/A
	Date Analyzed:	03/06/06
	Work Order No.:	06-03-0179
Attn: Joel Kiff	Method:	GC/FID
RE: 2703 Martin Luther King Jr. Way, Oakland	Page 1 of 1	

All concentrations are reported in mg/L (ppm).

Sample Number	Ethylene Glycol Concentration	Reporting Limit
PH4-2	ND	50
Method Blank	ND	50

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical		Date Received:	03/03/06
2795 2nd Street, Suite 300		Work Order No:	06-03-0179
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L

Project: 2703 Martin Luther King Jr. Way, Oakland

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
PH4-2	**06-03-0179-1**	**03/01/06**	**Aqueous**	**03/03/06**	**03/06/06**	**060303L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	0.0361	0.0050	1		Zinc	0.0447	0.0100	1	
Lead	0.0234	0.0100	1						

Method Blank	**097-01-003-5,876**	**N/A**	**Aqueous**	**03/03/06**	**03/03/06**	**060303L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

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: 06-03-0179
Preparation: EPA 3010A Total
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
PH4-2	**Aqueous**	**ICP 3300**	**03/03/06**	**03/06/06**	**060303S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	93	93	80-120	0	0-20	
Lead	104	102	80-120	2	0-20	
Zinc	107	105	80-120	2	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:	06-03-0179
Davis, CA 95616-6593		Preparation:	EPA 3010A Total
		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
097-01-003-5,876	**Aqueous**	**ICP 3300**	**03/03/06**	**060303L05**	**060303L05**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	0.500	0.456	91	80-120	
Lead	0.500	0.506	101	80-120	
Zinc	0.500	0.497	99	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Method GC/FID

Kiff Analytical		Work Order No.:	06-03-0179
Page 1 of 1		Date Analyzed:	03/06/06

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: PH4-2

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Ethylene Glycol	96	99	50 - 150	3	0 - 25

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
Ethylene Glycol	100	97	97	50 - 150

Surrogate Recoveries (in %)

Sample Number	S1
PH4-2	84
Method Blank	85

Surrogate Compound	%REC Acceptable Limits
S1 > Hexafluoro-2-propanol	50 - 150

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-03-0179

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. 0179

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.:

EDF Deliverable to (Email Address):

Project Number: 248-0710 P.O. No.: 48666

E-mail address: inbox@kiffanalytical.com

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

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 Copper, Lead & Zinc	Ethylene Glycol							March 8, 2006	
PH4-2	03/01/06	12:00		2	2				X	X	X					X	X							X	

Relinquished by:	Date	Time	Received by:
Ed W Ty Kiff Analytical	03/02/06	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	3/3/06	0830	CCL

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 03 - 0179

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: kiff **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):

3.4 °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: