CAMBRIA

February 15, 2005

Mr. Jim Tischler
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Re: **Site Investigation/Third Quarter Groundwater Monitoring Report-2004 & Conceptual Remedial Action Plan**
Shell-branded Service Station/
Former DZ Inc., Bulk Plant
255/257 Dutton Avenue
Santa Rosa, California
SAP Code 136091
Incident No. 98996133

Dear Mr. Tischler:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document third quarter 2004 site investigation and groundwater monitoring activities at the referenced site (Figures 1 and 2). The purpose of the investigation was to further assess the lateral and vertical extent of impacted soil and groundwater beneath the site. Cambria followed the scope of work presented in our June 3, 2004 *Site Investigation Work Plan* (*Work Plan*) which was approved by the Regional Water Quality Control Board (RWQCB) in their June 21, 2004 letter to Shell. The work was performed in accordance with RWQCB and Sonoma County Department of Health Services (SCDHS) guidelines.

SITE BACKGROUND

The subject sites are located on Dutton Avenue at the Highway 12 east on-ramp in Santa Rosa, California (Figure 1). The Shell site is an active Shell-branded service station with three underground gasoline storage tanks (USTs), four dispenser islands, and a station building (Figure 2). Currently, there are ten onsite and six offsite monitoring wells associated with the site.

The adjacent site at 257 Dutton Avenue is a former bulk petroleum plant. The former bulk plant contained eleven USTs, five above ground storage tanks (ASTs), and an unknown number of drums, all of which were removed prior to 1993. The site currently has two onsite monitoring wells, MW-1DZ and MW-3DZ, and is operated as an equipment rental yard.

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Shell and representatives of the adjacent former DZ Inc. bulk petroleum plant entered into Agreement for Coordinated Corrective Action on May 2, 2002, which established Cambria as the lead consultant for both sites.

A detailed site history prior to 2000 was included in our June 15, 1999 *Remedial Action Plan.*

2002 Pilot Testing: We submitted our December 18, 2000 *Site Investigation and Feasibility Test Work Plan* to the RWQCB in which we proposed additional offsite borings to assess the lateral and vertical extent of MTBE west and south of the Shell/DZ Inc. sites. The work plan also proposed total fluid extraction and dual phase extraction (DPE) pilot testing activities at the Shell site, which were performed during February and October 2002 and documented in our June 6, 2003 *Total Fluids Extraction and Dual Phase Extraction Pilot Test Report (Pilot Test Report).*

2003 Domestic Well Filtration: Pursuant to the September 4, 2003 RWQCB letter to Shell and DZ, Inc., Shell installed wellhead filtration equipment on the two private water supply wells at 258 and 270 Dutton Avenue, located approximately 670 and 800 feet, respectively, west-southwest of the subject site. The purpose of the filtration equipment was to remove methyl tertiary butyl ether (MTBE) detected in both of these water supply wells during RWQCB sampling activities conducted in May 2002. Influent MTBE concentrations in subsequent samples collected from the 258 Dutton Avenue domestic well (DW-258) have ranged from 0.57 to 1.0 part per billion (ppb). MTBE concentrations in the 270 Dutton Avenue well (DW-270) have ranged from 53 to 110 ppb.

Based on these data and discussions with RWQCB staff, we submitted our *Work Plan* for additional onsite and offsite assessment activities. The purpose of the onsite investigation activities was to assess the extent of separate phase hydrocarbon (SPH) impacted soil and groundwater beneath the sites, and to use this data to optimize our remediation system design. The offsite investigation activities were designed to assess the lateral and vertical extent of MTBE in groundwater.

The results of our third quarter 2004 site investigation and groundwater monitoring activities are presented below, along with our recommendations for remediation system design.

INVESTIGATION RESULTS

Personnel Present: Cambria geologists Scott Lewis directed the field activities, working under the supervision of California Registered Geologist Joe Neely.

Permits: Permit No. 4427 was obtained from the SCDHS, and encroachment permit No. 0404-6SV1356 was obtained from the City of Santa Rosa (Appendix A). Access agreements were secured from the offsite property owners as well.

Drilling Company: Gregg In Situ of Martinez, California (C57 License No. 656407).

Drilling Dates: September 20 though 24, 2004 and January 25, 2005.

Number of Borings: Twenty borings (B-1 through B-13, CPT-1, and CPT-3 through CPT-8) were drilled. The boring locations are shown on Figure 2. Boring CPT-2 was not drilled because the offsite property owner refused Cambria access to his property to perform the work.

Drilling Method: Cone Penetration Test (CPT) equipment.

Soil Sampling Methods: Soils were electronically logged continuously using CPT equipment. The soils encountered are described on the CPT boring logs presented in Appendix B. Soils from borings B-1, B-2, B-4 through B-6, B-8, B-10, B-12, and B-13 were also logged using ultraviolet induced fluorescence (UVIF) equipment to detect hydrocarbons in soil. Selected soil and groundwater samples were also collected from the borings at various intervals for chemical analysis.

Boring Depths: Borings CPT-1, and CPT-3 through CPT-8 were drilled to 80 feet below grade (fbg). Borings B-1, B-2, B-4, B-6, B-8, B-10, B-12, and B-13 were drilled to 20 fbg. Boring B-5 was drilled to 21 fbg. Borings B-3, B-7, B-9, and B-11 encountered drilling refusal at 5 to 6 fbg. Soil boring information is summarized in Table 1.

Groundwater Depths: First encountered groundwater was observed in the borings at depths of approximately 15 to 20 fbg. The static depth to water measured in the wells by Blaine Tech Services (Blaine) on August 25, 2004 ranged from 11.94 to 16.60 fbg.

Soil Types: Soil types in the borings consisted of alternating layers and thicknesses of clay, silt, sand, and gravel to the total explored depth of 80 fbg.

Chemical Analyses: No groundwater samples were collected from wells containing SPH. Selected soil and all groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX) and MTBE by EPA Method 8260B. All groundwater samples collected from the wells were also analyzed for total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015 (Modified), and tertiary butyl alcohol (TBA). Selected well samples were also analyzed for di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) by EPA Method 8260B.

Soil Disposal: Soil generated during field activities was stored at the site on and covered with plastic sheeting, sampled and profiled for disposal. On October 18, 2004 Manley and Sons Trucking, Inc. of Sacramento (Manley) transported approximately 0.13 tons of soil from the site to Allied Waste's Forward Landfill in Manteca, California for disposal. Soil generated from the January 25, 2005 site investigation activities was stored in a 5-gallon steel bucket at the Shell service station, pending disposal. Soil stockpile analytical results, manifests, and disposal confirmation documents are included in Appendix C.

Groundwater Elevations: Static groundwater elevations gauged in wells MW-1 through MW-18 by Blaine on August 25, 2004 ranged from 131.72 to 132.95 feet above mean sea level. Blaine's report is included in Appendix D.

Groundwater Flow Direction: A groundwater contour map was prepared using the August 25, 2004 water level measurement data (Figure 4). Groundwater flow direction is variable at the site with gradient ranging from 0.005 to 0.009.

HYDROCARBON DISTRIBUTION IN SOIL

Onsite Chemical and UVIF Soil Data: No MTBE was detected in soil samples collected from borings B-5 and B-6. TPHg was detected in borings B-5 at 15 fbg and B-6 at 14 fbg at concentrations of 970 and 130 parts per million (ppm), respectively. TPHd was detected in the soil sample collected from boring B-6 at a concentration of 91 ppm. The laboratory noted that the hydrocarbon reported as TPHd does not match the laboratory standard for diesel.

UVIF equipment was used in borings B-1, B-2, B-4 through B-6, B-8, B-10, B-12, and B-13. UVIF readings were detected in boring B-1 at 13 to 15 fbg, B-4 at 9 to 11 fbg, B-5 at 15 to 17 fbg, and B-6 from 5 to 13 fbg at magnitudes ranging from 0.5 to 4.8 volts. The readings in boring B-6 from 5 to 13 fbg appear to be anomalous because they are all identical, and are likely due to petroleum hydrocarbon residue on the UVIF lens.

The soil sample with the highest concentration of TPHg based on analytical results was used to calibrate voltage readings from UVIF equipment. The soil sample with the highest concentration was collected at 15 fbg from boring B-5 and contained TPHg at 970 ppm. The UVIF voltage measured at this approximate depth was 4.8 volts, which corresponds to a ratio of 202 ppm of petroleum hydrocarbon per volt measured.

Based on this ratio and UVIF data, estimated petroleum hydrocarbon concentrations in borings B-1, B-4, B-5, and B-6 ranged from 101 to 970 ppm.

***Offsite Chemical Soil Data*:** No TPHg, TPHd, BTEX, or MTBE was detected in any of the soil samples collected from boring CPT-8.

The soil chemical and UVIF analytical data are summarized on Tables 2 and 3, respectively. The onsite shallow boring UVIF, TPHg, TPHd, benzene, and MTBE, results are presented on Figure 2. The offsite soil chemical analytical data are presented on Figure 3. The UVIF data and the certified analytical reports are presented in Appendices B and E, respectively.

HYDROCARBON DISTRIBUTION IN GROUNDWATER

CPT Boring Data: No TPHg or BTEX was detected in any of the groundwater samples collected from the CPT borings.

MTBE was detected only in groundwater samples collected from borings CPT-1 at 24 fbg, CPT-4 at 17 fbg, CPT-5 at 50 fbg, CPT-7 at 37, 45, and 56 fbg, and CPT-8 at 38, 57, and 73 fbg at concentrations ranging from 0.52 to 160 parts per billion (ppb).

Monitoring Well Data: SPH was measured in wells MW-2, MW-3DZ, MW-4, MW-5, MW-10, and MW-11 at thicknesses ranging from 0.10 to 0.53 feet. No SPH was measured in the remaining wells.

No TPHg or BTEX were detected in wells MW-1DZ, MW-8, or MW-13 through MW-18. Benzene was detected only in wells MW-1, MW-7, and MW-12 at concentrations of 2,500, 50, and 70 ppb, respectively.

TPHd was detected only in wells MW-1, MW-1DZ, MW-6 through MW-9, MW-12, MW-14, and MW-15 at concentrations ranging from 82 to 6,200 ppb. The laboratory noted, however, that these TPHd detections did not match the laboratory's standard for this compound.

No ETBE, DIPE, or TAME were detected in any of the wells analyzed for these compounds. MTBE was detected in all of the wells not containing SPH at concentrations ranging from 0.61 to 8,200 ppb. TBA was detected only in wells MW-1, MW-1DZ, MW-7 through MW-9 and MW-12 at concentrations ranging from 12 to 11,000 ppb.

Groundwater analytical results for the CPT borings are summarized on Table 4 and the TPHg, benzene, and MTBE results are presented on Figure 3. The certified analytical reports are presented in Appendix E. Groundwater analytical results for the monitoring wells are summarized in Blaine's report (Appendix D) and the TPHg, benzene, and MTBE results are presented on Figure 4. The certified analytical reports for the wells are included in Appendix D.

PORE PRESSURE DISSIPATION TEST

Pore pressure dissipation tests (PPDT) were performed at three groundwater bearing intervals in borings CPT-1, and CPT-3 through CPT-8. The PPDT data were then used to calculate the corresponding depth to water (DTW) at each PPDT sample interval. Vertical gradient values are calculated by subtracting DTW values from lower water bearing zones from upper water bearing zone DTW values. Negative values indicate a downward vertical gradient, and positive values indicate an upward vertical gradient.

Based on the PPDT data, a downward vertical hydraulic gradient exists between sample depths in borings CPT-1, CPT-3, and CPT-6 through CPT-8. In boring CPT-5, a downward hydraulic gradient exists at depths between approximately 17 to 33 fbg, while a positive (upward) hydraulic gradient exists between 33 and 61 fbg in this boring.

Calculated DTW data from the shallow (approximately 17 to 19 fbg), middle (approximately 30 to 34 fbg), and deep (approximately 58 to 61 fbg) water bearing zones in borings CPT-5 through CPT-8 were evaluated to assess horizontal groundwater gradient at these locations. Only data from the deep zone were used from boring CPT-6 because shallower sample intervals were significantly different than the other borings.

Assuming a relatively flat surface topography between boring locations, groundwater in the shallow and middle zones is approximately 1.5 to 9.9 feet higher in boring CPT-8 than in the other borings. In the deep zone, groundwater is 1.3 to 5.9 feet higher in boring CPT-8 than in borings CPT-5 or CPT-8, and is approximately 0.9 feet lower than in CPT-6.

Pore pressure dissipation test results are summarized in Table 5 and are presented in Gregg's report (Appendix B).

REMEDIATION ACTIVITIES

Historical Remediation Efforts: Cambria extracted groundwater via vacuum truck from selected onsite wells at the Shell site between December 13, 2002 and March 10, 2003 as an interim remedial measure. A total of approximately 7,402 gallons of water and an estimated 0.73 pounds of gasoline were removed from the wells as a result of vacuum truck extraction activities.

During UST vapor recovery system upgrade activities in February and March 2004, approximately 12,017 gallons of water was pumped from the UST pit into an onsite Baker tank.

This water was transported via vacuum truck to Shell's Martinez, California refinery for recycling.

Current Remediation Efforts: A total of approximately 5.29 liters or 8.51 pounds of SPH was removed from wells MW-2, MW-3DZ, MW-4, MW-5, MW-10, and MW-11 by manual bailing on August 25, 2004. The following table summarizes SPH and estimated TPHg removal data.

Hydrocarbon Removal	***Mass Removed (pounds)***	
	3Q04	***Cumulative***
Separate-Phase	8.51	1,543.39
Vacuum Truck Extraction	0	0.73
Total	8.51	1,544.12

DOMESTIC WELL FILTRATION AND SAMPLING ACTIVITIES

Influent, midfluent, and effluent samples are collected monthly from the offsite wellhead filtration systems located at wells DW-258 and DW-270. The samples are analyzed for TPHg, BTEX, MTBE, and halogenated volatile organic compounds (HVOCs) including carbon tetrachloride, chloroform, and total trihalomethanes by EPA Method 8260.

No TPHg or BTEX were detected in effluent samples collected from wells DW-258 or DW-270, and no MTBE was detected in effluent samples collected from well DW-258 during the July, August, or September 2004 sampling events. MTBE was detected, however, in effluent samples collected from well DW-270 during the July and August 2004 sampling events at concentrations of 110 and 94 ppb, respectively. These concentrations are comparable to influent concentrations of this constituent previously detected in influent samples from this well. Based on these data it appears that the influent and effluent ports were switched during the July and August 2004 sampling events, likely as the result of system tampering by the property tenants.

Due to persistent security problems at this location, in early September 2004 we replaced the carbon in the DW-270 filtration canisters, mounted additional locks on the system valves, and installed additional fencing around both the DW-258 and DW-270 wellhead filtration systems. No MTBE was detected in effluent samples collected from well DW-270 during the subsequent September 2004 sampling event. Based on available fourth quarter 2004 data, no TPHg, BTEX, MTBE, or HVOCs have been detected in effluent samples collected during subsequent sampling events from either of these wells.

Monthly sampling data from the domestic wells are summarized in Table 6 and presented in Appendix F.

DISCUSSION

Twenty borings (B-1 through B-13, CPT-1, and CPT-3 through CPT-8) were drilled during this investigation to assess the vertical and lateral extent of SPH impacted soil and MTBE impacted groundwater beneath the site. In borings B-3, B-7, B-9, and B-11 drilling refusal was encountered at 5 to 6 fbg. The owner of the offsite property where proposed boring CPT-2 is located has indicated that he will not allow drilling on his property under any circumstances.

Onsite Extent of Petroleum Hydrocarbons: UVIF measurement equipment was used to assess the extent of petroleum hydrocarbons in shallow vadose zone soil beneath the site. These data were collected to determine if this soil is acting as a secondary source of petroleum hydrocarbons for wells that contain SPH. Only 4 of the 9 UVIF borings contained measurable voltage indicating the presence of petroleum hydrocarbons, and several of these measurements, collected from boring B-6, appear to be the result of residue left on the UVIF lens. The highest UVIF voltage and TPHg concentration were both detected in boring B-5 at approximately 15 fbg.

SPH is typically associated with soil concentrations 1 to 2 orders of magnitude greater than that found in boring B-5. Based on the limited lateral extent and relatively low levels of UVIF voltage and petroleum hydrocarbons found in shallow soil at the site, it does not appear that shallow soils in the vadose zone are the source of persistent SPH found in some wells at the site.

Offsite Extent of MTBE: The vertical extent of MTBE in groundwater beneath the site is defined by boring CPT-1. Borings CPT-3 through CPT-7 provide additional offsite vertical delineation.

The offsite lateral extent of MTBE in shallow groundwater is effectively defined to <5.0 ppb west, northwest, southwest, and northeast of the site by wells MW-13, MW-9, MW-8, and MW-15, respectively. Further west of the site, the lateral and vertical extent of MTBE (<0.5 ppb) is approximately defined by borings CPT-3, CPT-4 and CPT-6. Boring CPT-3 is approximately 300 feet southwest of the Shell UST complex. Boring CPT-4 and CPT-6 are approximately 530 and 620 feet southwest, respectively, of the Shell UST complex, and are in the presumed downgradient direction from the subject sites.

Concentrations of MTBE in borings CPT-5 and CPT-6 are significantly lower than those detected in borings CPT-7 and CPT-8, or in water supply wells DW-258 and DW-270. Borings CPT-5 and CPT-6 are located between the subject site and the water supply wells. These data

indicate that the MTBE detected in the water supply wells is not likely originating from the subject sites. An offsite source may be responsible for MTBE detections in borings CPT-7 and CPT-8 and in water supply wells DW-258 and DW-270.

RECOMMENDATIONS

As discussed in Cambria's June 6, 2003 *Total Fluids Extraction and Dual Phase Extraction Pilot Test Report (Pilot Test Report)*, the results of the aquifer pump test demonstrated the feasibility of groundwater extraction (GWE). The data produced from aquifer pump testing indicated that the yield from the aquifer is near 1.0 gpm and suggested that a sufficient capture zone can be achieved. A long-term yield was estimated at 0.5 gpm. The test results were consistent with the known soil types beneath the site. Results of the aquifer pump test suggested that the MTBE plume can be controlled hydraulically and reduced through GWE.

Dual-phase extraction (DPE) testing results were limited due to the presence of SPH. During DPE, the vapor concentrations produced from extracting SPH exceeded the oxidizers destruction capacity and resulted in a high temperature shutdown. To accommodate continuous DPE, dilution air was added to the process stream. However, the addition of dilution air limited the range of vacuum that could be applied and affected the results of DPE feasibility testing.

Based on quarterly groundwater monitoring data, site assessment data, and results of pilot testing, Cambria recommends implementing multi-phase extraction (MPE) to remediate soils and groundwater at the subject sites. MPE is the process of applying vacuum to a "stinger", which passes through an airtight well seal, to simultaneously extract SPH, vapors, and groundwater. Operation of a MPE system typically occurs in stages. Initially SPH is primarily extracted, or "slurped", by the stinger under vacuum. Once the SPH has been significantly reduced or removed, then the MPE system would operate as a DPE system. During the DPE phase of operation, the stingers are lowered to dewater the saturated zone to a target level and allow vapor extraction of these soils.

Depending on the number of extraction points and system groundwater yield, the MPE system may be modified into a combined GWE and soil vapor extraction (SVE) system. The GWE/SVE system operates similar to a DPE system, except that submersible groundwater pumps are used instead of stingers for dewatering. A wellhead connection is used for application of SVE. Once the MPE system has depleted SPH, Cambria anticipates using a combined GWE/SVE system at the subject sites based on the number of extraction points and groundwater yield.

The following sections discuss the proposed scope work for implementing MPE at the subject sites.

PROPOSED SCOPE OF WORK

MPE System Conceptual Design: The MPE system design includes extraction from existing wells MW-1, MW-2, MW-4, MW-5, MW-10, MW-11, and proposed wells MW-19, MW-20, and MW-22. Cambria conservatively assumed a 40-foot radius capture zone to locate and space these extraction points. Figure 5 shows the locations of the proposed wells, the remediation compound, and the trench layout.

SPH will be extracted using dedicated stingers under vacuum. A Solleco thermal oxidizer equipped with a ling-ring pump will be utilized for extraction and vapor abatement. The oxidizer will be located in the remediation compound. The oxidizer is trailer-mounted and contains the following components: entrained liquid separator, liquid ring pump and motor, electrical control panel, heating elements, oxidizer chamber, optional catalyst cell, heat exchanger, and transfer pump. SPH, hydrocarbon vapors, and groundwater are extracted with the liquid ring pump, through the entrained liquid separator, which removes the majority of the water brought up from the soil during the vacuum extraction process. Volatilization of SPH should occur during the extraction process or within the moisture separator. Dilution air is added if necessary, and the vapors are pushed through the heat exchanger where they are heated utilizing the oxidizer exhaust. After pre-heating, the vapors proceed to the oxidizer chamber where the electric elements heat the vapors to their final catalyst (minimum) inlet temperature of 1400° F. The vapors come into contact with the catalyst at a minimum 1400° F and combust into water vapor and carbon dioxide. The destruction efficiency for the standard oxidizer is 99% or above.

Specifically for remediating MTBE in the southwest corner of the site, groundwater will be extracted from the well MW-1 using a submersible pump. A pneumatic pump will be utilized due to the relatively low long-term flow rate (0.5 gpm per well).

The extracted groundwater will be pumped from the moisture separator and well MW-1 into a storage tank located in a remediation compound. A liquid-level switch in the storage tank will shut off the pump when the tank is full to prevent overflow. Extracted groundwater will be pumped from the storage tank using a transfer pump through sediment/silt filters and then through three aqueous-phase carbon vessels (in series) prior to discharge to the sanitary sewer. Flow meters, pressure gauges, and sample ports will be installed to control and monitor system operation.

An electrical control panel with a programmable logic controller will interlock and operate the MPE system controls. A telephone autodialer will be installed to remotely notify Cambria of system shutdown events. The system equipment will be designed with capacity for easy

expansion to additional wells and to handle additional groundwater flow, if necessary in the future.

Cambria will complete the civil, mechanical, and electrical details of the design so that required permits can be obtained and a contractor can install the system.

Health and Safety Plan: A site-specific health and safety plan will be prepared and submitted to the SMCHSA along with the drilling permit application. Cambria or the contractor will prepare a site-specific health and safety plan for construction activities.

Utility Clearance: Prior to drilling and construction activities, the proposed drilling and trenching locations will be marked and the locations cleared through Underground Service Alert.

Extraction Well Installation: Three borings (MW-19, MW-20, and MW-21) will be drilled at the locations shown on Figure 5. The borings will be drilled using hollow-stem auger drilling equipment and will be converted to 4-inch diameter extraction wells.

A Cambria geologist will supervise the drilling and describe soils encountered in the borings using the Unified Soil Classification System. Soil samples will be collected at 5-foot intervals for soil description and possible chemical analysis. Soil samples will be screened in the field for organic vapors using a photo-ionization detector (PID). Exploratory boring logs will be prepared for each boring. PID measurements will be recorded on the boring logs.

Soil samples designated for chemical analysis will be retained in brass sample tubes. The tubes will be covered on both ends with Teflon sheets and plastic end caps. Soil samples will be labeled, entered onto a chain-of-custody record, and placed into a cooler with ice for transport to a State of California certified laboratory for analysis.

The wells will be completed using 4-inch diameter ASTM F480 casing. The screened sections will be composed of 0.020-inch slotted ASTM F480 CircumSlot™ casing. The screen intervals, based on existing site data, will be from approximately 15 fbg to 30 fbg. The sand pack will consist of Monterey # 2/12 sand (or equivalent) and will be placed along the entire length of the screen interval to 2 feet above the top of the well screen, followed by a 2-foot thick bentonite seal and cement grout to grade. Actual well construction details will be based on field conditions at the time of drilling.

The wells will be secured with a locking cap under a traffic-rated well box. A licensed surveyor will survey wellhead elevations of the wells relative to mean sea level and the horizontal locations of the wells after the GWE system is installed.

Well Development and Sampling: Blaine Tech Services, Inc. (Blaine) will develop the wells prior to sampling. After well development, Blaine will sample the wells and submit the samples to a State-certified laboratory for chemical analyses.

Chemical Analyses: Groundwater and selected soil samples will be analyzed for TPHg, total petroleum hydrocarbons as diesel, BTEX, tertiary amyl methyl ether (TAME), ethyl tertiary butyl ether (ETBE), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), MTBE, and ethanol by EPA Method 8260.

MPE System Permitting: Under the authorization of a wastewater discharge permit from the City of Santa Rosa Subregional Water Reclamation System, treated groundwater will be discharged to the local sanitary sewer. The oxidizer will operate under the authorization of a permit-to-operate from the Bay Area Air Quality Management District (BAAQMD).

Plan Review / Building Permits: Cambria will submit engineered drawings and specifications to the City of Santa Rosa for plan review and issuance of applicable construction permits.

Request for Bid: Cambria will prepare a request-for-bid for construction services to install the MPE system. A contractor will be selected based on quality of bid, availability, and quality of service.

Construction: Cambria will provide oversight of construction activities included in the contractor's scope of work. Cambria and/or the contractor will arrange all required inspections.

Start-up: MPE system start-up will be conducted after final inspection approval and in accordance with applicable permits.

Installation and Start-up Report: Cambria will prepare and submit a MPE system installation and start-up report within 90 days of system start-up.

System Effectiveness and Routine Operation and Maintenance: Cambria will follow the startup procedures specified in the BAAQMD permit-to-operate conditions, and the wastewater discharge permit. Influent and effluent vapor samples will be collected periodically from the vapor extraction process to confirm adequate destruction efficiency. Influent, mid-point, and effluent water samples will be collected from the carbon vessels during and after start-up to confirm compliance with discharge limits and assess carbon consumption. During normal operation, a sampling schedule that satisfies the permit requirements and allows for effective system evaluation will be implemented. A routine operation and maintenance program will be implemented at the site.

SPH thickness and/or depth to groundwater measurements will be conducted on select wells to evaluate SPH depletion and/or the stabilized system zone of capture. If field data suggest SPH depletion or the zone of capture is not sufficient, the system extraction rates will be adjusted accordingly. The possibility exists that additional extraction wells may be needed. If necessary, additional wells will be incorporated into the system.

A detailed review of system performance will be conducted approximately six months after start-up. Mass extraction rates, and SPH thickness or dissolved concentrations in groundwater recorded during quarterly monitoring activities will be used to evaluate system performance. The system will be operated until asymptotic levels of chemical concentrations are observed and/or operation is no longer cost effective. At that time, an alternative remedial approach would be implemented to ultimately obtain risk-based closure.

CLOSING

We do not intend to pursue property access for proposed boring CPT-2 unless specifically directed to do so by the RWQCB. It is our technical opinion that enough data now exists to determine the extent of impacted groundwater beneath the sites.

If you have any questions regarding the contents of this document, please call Tom Magney at (707) 933-2366.

Sincerely,
Cambria Environmental Technology, Inc.

Tom Magney
Project Manager

Joe W. Neely, PG
Senior Project Geologist
PG 6927

REGISTERED GEOLOGIST
JOSEPH W. NEELY
No. 6927
STATE OF CALIFORNIA

Attachments:

Table 1.	Well/Boring Data
Table 2.	Soil Analytical Data
Table 3.	Groundwater Analytical Data
Table 4.	UVIF Data
Table 5.	Pore Pressure Dissipation Test Data
Figure 1.	Site Vicinity Map
Figure 2.	Onsite Soil/Groundwater Chemical Concentration Map
Figure 3.	Offsite Soil/Groundwater Chemical Concentration Map
Figure 4.	Groundwater Contour/Chemical Concentration Map
Figure 5.	Proposed MPE System Layout
Appendix A.	Permits
Appendix B.	CPT Site Investigation Report
Appendix C.	Disposal Confirmation
Appendix D.	Blaine Tech Services, Inc. Groundwater Monitoring Report
Appendix E.	Certified Analytical Reports
Appendix F.	Water Supply Well Groundwater Analytical Results

cc: Mr. Denis Brown, Shell
Mr. Brian Gwinn, Blue Rock Environmental, Inc.
Mr. Jim Thompson, DZ Inc.

Table 1. Well/Boring Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Name	Type/ Drilling Method	Date Installed	TOC (ft msl)	Total Depth (fbg)	Soil Sample Interval (ft)	First Encountered GW Depth (fbg)	First Encountered GW Elev (ft msl)	Screen Diam. (In)	Screen Depth (fbg) Top	Screen Depth (fbg) Bottom	Comments
MW-1	HSA Well	14-Apr-89	145.94	28.0	5	-	126.92	4	14	25.5	
MW-2	HSA Well	12-Apr-89	147.80	27.0	5	-	129.27	4	12.5	22.5	
MW-3	HSA Well	13-Apr-89	146.68	33.0	5	-	127.63	4	15	27	
MW-4	HSA Well	17-Apr-89	146.43	25	5	-	131.93	4	13	21	
MW-5	HSA Well	17-Apr-89	147.55	25.0	5	-	128.53	4	15	23	
MW-6	HSA Well	18-Apr-89	146.72	28	5	-	128.09	4	14.5	24.5	
MW-7	HSA Well	10-Aug-89	147.26	24	5	-	129.29	4	14	24	
MW-8	HSA Well	9-Aug-89	146.19	25	5	-	132.21	4	13	24	
MW-9	HSA Well	9-Aug-89	145.94	24	5	-	130.90	4	14	24	
MW-10	HSA Well	8-Aug-89	146.12	26	5	-	129.84	4	14	26	
MW-11	HSA Well	8-Aug-89	147.07	27	5	-	128.11	4	14	27	
MW-12	HSA Well	8-Aug-89	145.29	17	5	-	-	4	-	-	
MW-13	HSA Well	8-Aug-89	145.07	22	5	-	-	4	-	-	
MW-14	HSA Well	16-Mar-95	147.79	31	5	14.5	133.29	2	10	30	
MW-15	HSA Well	24-Mar-95	148.37	24.5	5	14.5	133.87	4	9	23	
MW-16	HSA Well	24-Mar-95	144.30	24	5	5	139.30	2	9	23	
MW-17	HSA Well	27-Mar-95	145.52	24	5	6	139.52	2	9	23	
MW-18	HSA Well	27-Mar-95	144.31	24	5	8	136.31	2	9	23	
SB-1	HSA Boring	11-Aug-89	-	14.5	5	-	-	-	-	-	
SB-2	HSA Boring	11-Aug-89	-	15	5	-	-	-	-	-	
SB-3	HSA Boring	11-Aug-89	-	15	5	-	-	-	-	-	
SB-4	HSA Boring	14-Apr-89	-	11	5	-	-	-	-	-	
SB-5	HSA Boring	14-Apr-89	-	11	6, 11	-	-	-	-	-	
SB-6	HSA Boring	11-Aug-89	-	15	6, 11	-	-	-	-	-	
SB-7	HSA Boring	10-Jan-90	-	16	5	-	-	-	-	-	
SB-8	HSA Boring	11-Jan-90	-	18	5	-	-	-	-	-	
SB-9	HSA Boring	10-Jan-90	-	16	5	-	-	-	-	-	
SB-10	HSA Boring	11-Jan-90	-	17	5	-	-	-	-	-	
SB-11	HSA Boring	11-Jan-90	-	17	5	-	-	-	-	-	
SB-12	HSA Boring	9-Jan-90	-	15	5	-	-	-	-	-	

Table 1. Well/Boring Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Name	Type/ Drilling Method	Date Installed	TOC (ft msl)	Total Depth (fbg)	Soil Sample Interval (ft)	First Encountered GW Depth (fbg)	First Encountered GW Elev (ft msl)	Screen Diam. (In)	Screen Depth (fbg) Top	Screen Depth (fbg) Bottom	Comments
SB-13	HSA Boring	9-Jan-90	-	15	5	-	-	-	-	-	
SB-14	HSA Boring	11-Jan-90	-	15	5	14	-	-	-	-	
SB-15	HSA Boring	10-Jan-90	-	15	5	-	-	-	-	-	
SB-16	HSA Boring	10-Jan-90	-	15	5	-	-	-	-	-	
OMW-12	HSA Well	26-Nov-91	-	20	C	-	-	4.00	8	17.5	
OMW-13	HSA Well	26-Nov-91	-	25	C	-	-	4.00	12	22	
EW-1	HSA Well	25-Nov-91	-	25	C	-	-	4.00	9.5	24.5	
			-								
B-1	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-2	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-3	CPT boring	24-Sep-04	-	6	C	-	-	-	-	-	Drilling refusal at 6 fbg
B-4	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-5	CPT boring	24-Sep-04	-	21	C	-	-	-	-	-	
B-6	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-7	CPT boring	24-Sep-04	-	6	C	-	-	-	-	-	Drilling refusal at 6 fbg
B-8	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-9	CPT boring	24-Sep-04	-	5	C	-	-	-	-	-	Drilling refusal at 5 fbg
B-10	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-11	CPT boring	24-Sep-04	-	6	C	-	-	-	-	-	Drilling refusal at 5 fbg
B-12	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
B-13	CPT boring	24-Sep-04	-	20	C	-	-	-	-	-	
			-								
CPT-1	CPT boring	23-Sep-04	-	80	C	-	-	-	-	-	
CPT-3	CPT boring	25-Jan-05	-	80	C	-	-	-	-	-	
CPT-4	CPT boring	20-Sep-04	-	80	C	-	-	-	-	-	
CPT-5	CPT boring	21-Sep-04	-	80	C	-	-	-	-	-	
CPT-6	CPT boring	22-Sep-04	-	80	C	-	-	-	-	-	
CPT-7	CPT boring	22-Sep-04	-	80	C	-	-	-	-	-	
CPT-8	CPT boring	23-Sep-04	-	80	C	-	-	-	-	-	

Table 1. Well/Boring Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Abbreviations:
HSA = Hollow Stem Auger
CPT = Cone Penetration Test
TOC = Top of casing
ft msl = Feet referenced to mean sea level.
fbg = Feet below grade
ft = Feet
In = Inches
GW = Groundwater
Diam. = Diameter
C = Continuously cored

Table 2. Soil Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	TPH-mo (mg/kg)	Lead (mg/kg)	Aviation Fuel (mg/kg)	Jet Fuel (mg/kg)	Oil and Grease (mg/kg)	Notes
CPT-8-5'	5	23-Sep-04	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CPT-8-10'	10	23-Sep-04	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CPT-8-15'	15	23-Sep-04	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CPT-8-20'	20	23-Sep-04	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
CPT-8-25'	25	23-Sep-04	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
B-5-15'	15	24-Sep-04	**970**	<1.0	<0.50	<0.50	**7.3**	**18**	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
B-6-14'	14	24-Sep-04	**130**	**91 ***	<0.50	<0.50	**0.63**	**0.81**	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-1	5, 10, 15	14-Apr-89	**28**	**28**	**0.05**	**0.14**	**0.07**	**0.34**	NA	NA	NA	NA	NA	NA	<10	**6.3**	NA	NA	NA	
MW-1	10	14-Apr-89	**14**	**62**	<0.025	**0.056**	**0.048**	**0.160**	NA	NA	NA	NA	NA	NA	<10	**6.0**	NA	NA	NA	
MW-1	15	14-Apr-89	**230**	<10	**0.076**	**0.45**	**0.37**	**2.5**	NA	NA	NA	NA	NA	NA	<10	**5.5**	NA	NA	NA	
MW-2	5, 10, 15	12-Apr-89	**100**	**110**	**0.14**	**0.90**	**0.29**	**1.7**	NA	NA	NA	NA	NA	NA	<10	**5.7**	NA	NA	NA	
MW-2	15	12-Apr-89	**1,000**	**240**	**0.39**	**2.4**	**0.92**	**5.1**	NA	NA	NA	NA	NA	NA	<10	**4.3**	NA	NA	NA	
MW-3	5, 10, 15	13-Apr-89	**19**	**11**	**0.055**	**0.20**	**0.070**	**0.42**	NA	NA	NA	NA	NA	NA	<10	**5.7**	NA	NA	NA	
MW-3	15	13-Apr-89	**61**	**28**	**0.12**	**1.0**	**0.62**	**4.5**	NA	NA	NA	NA	NA	NA	<10	**6.1**	NA	NA	NA	
MW-4	5, 10, 15	17-Apr-89	**510**	**220**	<0.025	<0.025	<0.03	<0.075	NA	NA	NA	NA	NA	NA	NA	**6.2**	NA	NA	NA	
MW-4	15	17-Apr-89	**300**	**470**	**0.13**	**0.15**	**0.078**	**0.68**	NA	NA	NA	NA	NA	NA	NA	**3.6**	NA	NA	NA	
MW-5	5, 10, 15	17-Apr-89	**32**	<10	<0.025	<0.025	<0.03	<0.075	NA	NA	NA	NA	NA	NA	NA	**6.1**	NA	NA	NA	
MW-5	15	17-Apr-89	**44**	**36**	**0.41**	**0.94**	**0.50**	**2.8**	NA	NA	NA	NA	NA	NA	NA	**5.6**	NA	NA	NA	
MW-6	5, 10, 15	18-Apr-89	<10	<10	<0.025	<0.025	<0.03	<0.075	NA	NA	NA	NA	NA	NA	NA	**6.1**	NA	NA	NA	
MW-7	5	10-Aug-89	<10	<10	<0.025	**0.31**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**4.0**	NA	NA	NA	
MW-7	10	10-Aug-89	<10	<10	<0.025	**0.15**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**5.8**	NA	NA	NA	
MW-7	15	10-Aug-89	**590**	**330**	**0.064**	**2.4**	**1.9**	**9.1**	NA	NA	NA	NA	NA	NA	<10	**5.1**	NA	NA	NA	
MW-8	5	09-Aug-89	<10	<10	<0.025	**0.22**	<0.075	**0.31**	NA	NA	NA	NA	NA	NA	<10	**4.0**	NA	NA	NA	
MW-8	10	09-Aug-89	<10	<10	<0.025	**0.055**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**3.8**	NA	NA	NA	
MW-8	15	09-Aug-89	<10	<10	<0.025	**0.041**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**3.0**	NA	NA	NA	
MW-9	5	09-Aug-89	<10	<10	<0.025	**0.10**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**4.1**	NA	NA	NA	
MW-9	10	09-Aug-89	<10	<10	<0.025	**0.034**	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	**4.7**	NA	NA	NA	
MW-9	15	09-Aug-89	<10	<10	<0.025	**0.22**	<0.075	**0.31**	NA	NA	NA	NA	NA	NA	<10	**4.0**	NA	NA	NA	

Table 2. Soil Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	TPH-mo (mg/kg)	Lead (mg/kg)	Aviation Fuel (mg/kg)	Jet Fuel (mg/kg)	Oil and Grease (mg/kg)	Notes
MW-10	5	08-Aug-89	<10	<10	<0.025	0.14	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.3	NA	NA	NA	
MW-10	10	08-Aug-89	<10	<10	<0.025	0.60	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
MW-10	15	08-Aug-89	37	<10	0.44	0.39	<0.075	0.44	NA	NA	NA	NA	NA	NA	<10	3.1	NA	NA	NA	
MW-11	5	08-Aug-89	<10	<10	<0.025	<0.025	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
MW-11	10	08-Aug-89	<10	<10	<0.025	<0.025	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
MW-11	15	08-Aug-89	140	830	<0.025	<0.025	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	3.7	NA	NA	NA	
MW-15	5.5	Not available	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	VOCs ND
MW-15	10.5	Not available	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	VOCs ND
MW-16	5.5	Not available	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	VOCs ND
MW-17	10.5	Not available	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	VOCs ND
MW-18	5.5	Not available	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	VOCs ND
SB-1	5	11-Aug-89	17.0	<10	0.038	0.22	0.092	0.44	NA	NA	NA	NA	NA	NA	<10	4.4	NA	NA	NA	
SB-1	9.5	11-Aug-89	<10	<10	<0.025	0.066	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.9	NA	NA	NA	
SB-1	14.5	11-Aug-89	<10	<10	0.032	0.19	<0.075	0.25	NA	NA	NA	NA	NA	NA	<10	6.3	NA	NA	NA	
SB-2	5	11-Aug-89	13,000	3,000	17.0	56	21	480	NA	NA	NA	NA	NA	NA	<10	6.2	NA	NA	NA	
SB-2	10	11-Aug-89	17	<10	0.34	0.92	0.15	3.0	NA	NA	NA	NA	NA	NA	<10	4.6	NA	NA	NA	
SB-2	15	11-Aug-89	370	150	0.51	4.2	1.8	16	NA	NA	NA	NA	NA	NA	<10	5.2	NA	NA	NA	
SB-3	5	11-Aug-89	17	<10	0.064	0.24	0.075	0.73	NA	NA	NA	NA	NA	NA	<10	4.4	NA	NA	NA	
SB-3	10	11-Aug-89	<10	<10	<0.025	0.052	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.8	NA	NA	NA	
SB-3	15	11-Aug-89	140	110	<0.025	2.1	1.6	13	NA	NA	NA	NA	NA	NA	<10	4.1	NA	NA	NA	
SB-4	6, 11	14-Apr-89	<10	<10	<0.025	<0.025	<0.03	<0.075	NA	NA	NA	NA	NA	NA	<10	6.7	NA	NA	NA	
SB-4	11	14-Apr-89	13	<10	<0.025	<0.025	<0.03	<0.075	NA	NA	NA	NA	NA	NA	<10	5.5	NA	NA	NA	
SB-5	6, 11	14-Apr-89	<10	<10	0.045	0.032	<0.03	<0.075	NA	NA	NA	NA	NA	NA	<10	5.8	NA	NA	NA	
SB-5	11	14-Apr-89	25	<10	<0.025	<0.025	0.086	0.074	NA	NA	NA	NA	NA	NA	<10	6.9	NA	NA	NA	
SB-6	5	11-Aug-89	<10	<10	<0.025	0.066	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	4.7	NA	NA	NA	
SB-6	10	11-Aug-89	<10	<10	<0.025	0.045	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	5.1	NA	NA	NA	
SB-6	15	11-Aug-89	<10	<10	<0.025	0.045	<0.075	<0.075	NA	NA	NA	NA	NA	NA	<10	3.1	NA	NA	NA	

Table 2. Soil Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	TPH-mo (mg/kg)	Lead (mg/kg)	Aviation Fuel (mg/kg)	Jet Fuel (mg/kg)	Oil and Grease (mg/kg)	Notes
SB-7	5	10-Jan-90	<1.0	1.0	0.015	0.043	<0.0025	0.0062	NA	NA	NA	NA	NA	NA	<10	4.2	NA	NA	NA	
SB-7	10	10-Jan-90	<1.0	<1.0	<0.0025	0.013	<0.0025	0.0026	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
SB-7	15	10-Jan-90	<1.0	<1.0	<0.0025	0.010	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	3.3	NA	NA	NA	
SB-8	5	11-Jan-90	1.0	<1.0	0.022	0.022	0.0074	0.034	NA	NA	NA	NA	NA	NA	<1.0	4.0	NA	NA	NA	
SB-8	10	11-Jan-90	<1.0	<1.0	<0.0025	0.0035	<0.0025	0.0026	NA	NA	NA	NA	NA	NA	<1.0	4.0	NA	NA	NA	
SB-8	16	11-Jan-90	<1.0	<1.0	0.60	0.0036	0.0035	0.0055	NA	NA	NA	NA	NA	NA	<1.0	2.7	NA	NA	NA	
SB-9	5	10-Jan-90	1.6	1.6	0.32	0.073	0.0084	0.063	NA	NA	NA	NA	NA	NA	<10	4.6	NA	NA	NA	
SB-9	10	10-Jan-90	<1.0	<1.0	0.13	0.0089	0.0029	0.0091	NA	NA	NA	NA	NA	NA	<10	4.9	NA	NA	NA	
SB-9	15	10-Jan-90	1,800	140	3.20	26	16	53	NA	NA	NA	NA	NA	NA	<10	4.6	NA	NA	NA	
SB-10	5	11-Jan-90	4.8	6.1	0.93	0.091	0.047	0.085	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
SB-10	10	11-Jan-90	<1.0	<1.0	0.055	0.01	<0.025	0.0047	NA	NA	NA	NA	NA	NA	<10	5.6	NA	NA	NA	
SB-10	15	11-Jan-90	4.4	13.0	0.15	0.081	0.059	0.31	NA	NA	NA	NA	NA	NA	<10	3.8	NA	NA	NA	
SB-11	5	11-Jan-90	<1.0	<10	0.3	0.3	0.0043	0.055	NA	NA	NA	NA	NA	NA	<10	3.6	NA	NA	NA	
SB-11	10	11-Jan-90	44	<10	0.099	0.14	0.097	0.18	NA	NA	NA	NA	NA	NA	<10	4.7	NA	NA	NA	
SB-11	15	11-Jan-90	110	50	0.77	0.38	0.95	2.7	NA	NA	NA	NA	NA	NA	<10	4.8	NA	NA	NA	
SB-12	5	09-Jan-90	<1.0	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	4.3	NA	NA	NA	
SB-12	10	09-Jan-90	<1.0	<1.0	<0.0025	<0.0025	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	4.3	NA	NA	NA	
SB-12	15	09-Jan-90	290	67	0.92	1.10	1.1	4.3	NA	NA	NA	NA	NA	NA	<10	3.8	NA	NA	NA	
SB-13	5	09-Jan-90	<1.0	6.5	<0.0025	<0.0045	<0.0025	0.0073	NA	NA	NA	NA	NA	NA	<10	3.8	NA	NA	NA	
SB-13	10	09-Jan-90	4.6	30	<0.0025	0.0062	<0.0025	0.0075	NA	NA	NA	NA	NA	NA	<10	5.2	NA	NA	NA	
SB-13	15	09-Jan-90	530	730	2.50	6.20	3.9	19	NA	NA	NA	NA	NA	NA	<10	3.3	NA	NA	NA	
SB-14	5	11-Jan-90	1.7	<1.0	0.0046	0.0033	0.016	0.051	NA	NA	NA	NA	NA	NA	<10	4.0	NA	NA	NA	
SB-14	10	11-Jan-90	<1.0	<1.0	<0.0025	0.01	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	4.3	NA	NA	NA	
SB-14	15	11-Jan-90	510	16	1.1	2.2	2.2	5.1	NA	NA	NA	NA	NA	NA	<10	2.5	NA	NA	NA	
SB-15	5	10-Jan-90	1.3	<1.0	0.064	0.013	0.0027	0.0015	NA	NA	NA	NA	NA	NA	<10	4.4	NA	NA	NA	
SB-15	10	10-Jan-90	<1.0	<1.0	0.0025	0.0037	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	4.8	NA	NA	NA	
SB-15	15	10-Jan-90	230	380	1.1	0.96	1.8	8.1	NA	NA	NA	NA	NA	NA	<10	5.0	NA	NA	NA	
SB-16	5	10-Jan-90	1.7	<1.0	0.093	0.031	0.0043	0.053	NA	NA	NA	NA	NA	NA	<10	3.5	NA	NA	NA	
SB-16	10	10-Jan-90	<1.0	<1.0	<0.0025	0.0086	<0.0025	<0.0025	NA	NA	NA	NA	NA	NA	<10	4.9	NA	NA	NA	
SB-16	15	10-Jan-90	800	91	0.65	0.5	4.8	25	NA	NA	NA	NA	NA	NA	<10	3.9	NA	NA	NA	

Table 2. Soil Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	TPH-mo (mg/kg)	Lead (mg/kg)	Aviation Fuel (mg/kg)	Jet Fuel (mg/kg)	Oil and Grease (mg/kg)	Notes
Ex-1	NA	29-Oct-98	2,200	160	6.90	14	15	140	51	<50	<1.0	<1.0	<1.0	<250	NA	5.5	NA	NA	NA	HVOCs all ND
Ex-2	NA	29-Oct-98	440	100	0.44	2.7	3.0	30	29	<50	<1.0	<1.0	<1.0	<250	NA	7.5	NA	NA	NA	HVOCs all ND
Ex-3	NA	29-Oct-98	1,800	120	4.0	12	11	88	20	<50	<1.0	<1.0	<1.0	<250	NA	8.7	NA	NA	NA	HVOCs all ND
Ex-4	NA	29-Oct-98	2.7	14	0.011	0.006	<0.0050	0.024	7.3	7.4	<0.1	<0.1	<0.1	<250	NA	6.0	NA	NA	NA	HVOCs all ND
Ex-5	NA	29-Oct-98	680	970	<0.50	4.5	4.6	30	14	<100	<2.0	<2.0	<2.0	<500	NA	8.5	NA	NA	NA	HVOCs all ND
Ex-6	NA	29-Oct-98	210	66	<0.50	<0.50	1.1	4.8	6,500	<16.5	<0.33	<0.33	<0.33	<82.5	NA	7.0	NA	NA	NA	HVOCs all ND
Ex-7	NA	29-Oct-98	52	1.6	<0.050	0.13	0.064	1.2	6.1	<5.0	<0.1	<0.1	<0.1	<25	<10	7.9	NA	NA	NA	HVOCs all ND
Ex-8	NA	29-Oct-98	3.9	2.0	0.013	0.022	0.018	0.057	130	<5.0	<0.1	<0.1	<0.1	<25	<10	6.6	NA	NA	NA	HVOCs all ND
Ex-9	NA	29-Oct-98	2.7	<1.0	0.023	0.022	0.014	0.034	190	<5.0	<0.1	<0.1	<0.1	<25	NA	7.2	NA	NA	NA	HVOCs all ND
Ex-10	NA	29-Oct-98	690	110	<1.2	1.4	<1.2	30	2.4	<33.5	<0.67	<0.67	<0.67	<168	NA	7.7	NA	NA	NA	HVOCs all ND
Ex-11	NA	29-Oct-98	2,200	890	6.3	19	<1.2	150	9.6	<200	<4.0	<4.0	<4.0	<1,000	NA	7.5	NA	NA	NA	HVOCs all ND
Ex-12	NA	29-Oct-98	2,300	520	18	56	<1.2	180	15	<100	<2.0	<2.0	<2.0	<500	NA	8.8	NA	NA	NA	HVOCs all ND
Ex-13	NA	02-Nov-98	26	18	0.094	<0.050	<0.050	<0.050	36	<25	<0.5	<0.5	<0.5	<125	NA	5.9	NA	NA	NA	HVOCs all ND
Ex-14	NA	02-Nov-98	4.5	3.4	0.026	<0.012	<0.012	0.044	11	<10	<0.2	<0.2	<0.2	<50	NA	5.4	NA	NA	NA	HVOCs all ND
Ex-15	NA	02-Nov-98	4.8	3.8	0.070	0.006	0.007	0.054	5.3	<5.0	<0.1	<0.1	<0.1	<25	NA	5.3	NA	NA	NA	HVOCs all ND
Ex-16	NA	02-Nov-98	20	12	0.13	<0.50	<0.50	0.076	23	<20	<0.4	<0.4	<0.4	<100	NA	5.6	NA	NA	NA	HVOCs all ND
DS-1	NA	29-Oct-98	19	14	0.16	0.048	0.078	0.18	1.9	<5.0	<0.1	<0.1	<0.1	<25	NA	7.2	NA	NA	NA	HVOCs all ND
DS-2	NA	29-Oct-98	13	5.2	0.11	0.018	0.041	0.11	1.5	<5.0	<0.1	<0.1	<0.1	<25	NA	5.7	NA	NA	NA	HVOCs all ND
DS-3	NA	29-Oct-98	130	36	<0.50	0.76	<0.50	5.2	1.6	<5.0	<0.1	<0.1	<0.1	<25	NA	13.0	NA	NA	NA	HVOCs all ND
DS-4	NA	29-Oct-98	120	83	0.51	0.28	0.64	3.6	4.4	<5.0	<0.1	<0.1	<0.1	<25	NA	13.0	NA	NA	NA	HVOCs all ND
T-1	NA	29-Oct-98	36	22	0.083	0.10	0.11	0.27	1.8	<5.0	<0.1	<0.1	<0.1	<25	NA	7.3	NA	NA	NA	HVOCs all ND
T-2	NA	29-Oct-98	6.1	5.1	0.048	0.011	<0.0050	0.054	1.0	<5.0	<0.1	<0.1	<0.1	<25	NA	<5.0	NA	NA	NA	HVOCs all ND
T-3	NA	29-Oct-98	14	5.4	0.065	0.016	0.047	0.13	8.8	<5.0	<0.1	<0.1	<0.1	<25	NA	<5.0	NA	NA	NA	HVOCs all ND
T-4	NA	29-Oct-98	63	44	0.16	0.050	0.12	0.098	3.2	<5.0	<0.1	<0.1	<0.1	<25	NA	5.7	NA	NA	NA	HVOCs all ND
T-5	NA	11-Nov-98	41	28	0.20	0.048	0.38	0.24	17	<10	<0.2	<0.2	<0.2	<50	NA	6.7	NA	NA	NA	HVOCs all ND
257 Dutton																				
MW1/A	5.0	14-Jun-90	5.20	NA	0.900	.060	0.0160	.130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW1/D	20.0	14-Jun-90	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	3.7	NA	NA	NA	
MW2/C	15.0	14-Jun-90	570.00	NA	4.200	13.000	6.2000	34.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW2/D	20.0	14-Jun-90	ND	NA	.020	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW2/F	30.0	14-Jun-90	8.20	NA	.040	.065	.0210	.100	NA	NA	NA	NA	NA	NA	NA	2.9	NA	NA	NA	
MW3/B	10.0	14-Jun-90	1.70	NA	.017	.013	.0099	.018	NA	NA	NA	NA	NA	NA	NA	5.0	NA	NA	NA	
MW3/D	20.0	14-Jun-90	1.90	NA	2.200	.650	.0220	.970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
503-3	13.0	21-May-93	3.0	120	<0.0050	<0.0050	0.11	0.41	NA	NA	NA	NA	NA	NA	NA	NA	2.5	78	60	

Table 2. Soil Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	TPH-mo (mg/kg)	Lead (mg/kg)	Aviation Fuel (mg/kg)	Jet Fuel (mg/kg)	Oil and Grease (mg/kg)	Notes
503-6	12.0	21-May-93	<1.0	87	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	61	<50	
503-9	14.0	21-May-93	<1.0	<5.0	0.0063	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
503-12	13.0	21-May-93	<1.0	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
503-15	13.0	21-May-93	<1.0	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
503-18	14.0	21-May-93	**4.9**	**1,600**	<0.0050	<0.0050	**0.0076**	**0.130**	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	**1,000**	**1,400**	
503-21	14.0	21-May-93	<1.0	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
503-24	13.0	21-May-93	<1.0	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
503-27	13.0	21-May-93	<1.0	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	<50	
514-15	15	03-Jun-93	**210**	**2,200**	**1.2**	**0.390**	**3.7**	**16**	NA	NA	NA	NA	NA	NA	NA	NA	**77**	**1,300**	**2,400**	
514-16	15	03-Jun-93	**6.5**	**2,000**	**0.031**	**0.011**	**0.025**	**0.088**	NA	NA	NA	NA	NA	NA	NA	NA	**5.3**	**960**	**1,800**	
514-17	12	03-Jun-93	**1.4**	**230**	**0.020**	<0.0050	**0.0060**	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	**120**	**97**	
514-18	12	03-Jun-93	**55**	**180**	**0.023**	**0.053**	**0.520**	**0.450**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**81**	**93**	
514-19	15	03-Jun-93	**28**	**180**	**0.34**	**0.520**	**0.890**	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13**	**<50**	
514-20	15	03-Jun-93	<1.0	**110**	**0.0088**	<0.0050	**0.0050**	**0.0075**	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	**64**	**120**	
514-21	12	03-Jun-93	<1.0	**330**	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	**160**	**380**	
514-22	12	03-Jun-93	<1.0	**95**	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	**8.6**	<50	

Abbreviations and Notes:

NA = Not analyzed or not available

<x = Not detected at reporting limit x

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

* = The laboratory report noted that the hydrocarbon reported does not match the pattern of their Diesel standard

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015 (Modified) or 8260B

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

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020 or 8260B

MTBE = Methyl tertiary butyl ether by EPA Method 8020 and EPA Method 8260B

DIPE = Di-isopropyl ether by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether by EPA Method 8260B

TAME = Tertiary amyl methyl ether by EPA Method 8260B

TBA = Tertiary butanol or butyl alcohol by EPA Method 8260B

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

EDB = 1,2-Dibromoethane by EPA Method 8260B

Table 3. UVIF Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	UVIF Volts	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Notes
B-1	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-1	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-1	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-1	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-1	13 to 15	24-Sep-04	**3.0**	***606***	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-1	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-2	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-4	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-4	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-4	9 to 11	24-Sep-04	**0.5**	***101***	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-4	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-4	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-4	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-5	15 to 17	24-Sep-04	**4.8**	**970**	<1.0	<0.50	<0.50	**7.3**	**18**	<0.50	Soil sample collected at 15 fbg
B-5	17 to 18	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	

Table 3. UVIF Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	UVIF Volts	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Notes
B-6	5 to 7	24-Sep-04	**1.1**[2]	*222*	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-6	7 to 9	24-Sep-04	**1.1**[2]	*222*	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-6	9 to 11	24-Sep-04	**1.1**[2]	*222*	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-6	11 to 13	24-Sep-04	**1.1**[2]	*222*	NA	NA	NA	NA	NA	NA	Estimated TPHg concentration
B-6	13 to 15	24-Sep-04	**2.3**	**130**	**91 ***	<0.50	<0.50	**0.63**	**0.81**	<0.50	Soil sample collected at 15 fbg
B-6	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-8	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-10	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-12	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	

Table 3. UVIF Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	UVIF Volts	TPHg (mg/kg)	TPHd (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Notes
B-13	5 to 7	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-13	7 to 9	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-13	9 to 11	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-13	11 to 13	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-13	13 to 15	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	
B-13	15 to 17	24-Sep-04	0.0	NA	NA	NA	NA	NA	NA	NA	

Abbreviations and Notes:

fbg = feet below grade

NA = Not available

<x = Not detected at reporting limit x

UVIF = Ultra violet induced florence

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

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015 (Modified) or 8260B

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

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020 or 8260B

MTBE = Methyl tertiary butyl ether by EPA Method 8020 and EPA Method 8260B

* = The laboratory report noted that the hydrocarbon reported does not match the pattern of their Diesel standard

[2] = Voltage readings may be due to residue on the UVIF lens

TPHg concentrations in *italics* are estimated from ratio of TPHg chemical data to UVIF voltage reading collected from boring B-5 between 15 and 17 fbg, or approximately 202 mg/kg per volt measured.

Table 4. Groundwater Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
CPT-1-24W	24	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**25**
CPT-1-40W	40	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-1-56W	56	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-3-16W	16	25-Jan-05	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-3-25W	25	25-Jan-05	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-3-41W	41	25-Jan-05	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-3-53W	53	25-Jan-05	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-3-74W	74	25-Jan-05	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-4-17W	17	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**0.52**
CPT-4-47W	47	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-5-13W	13	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-5-39W	39	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-5-50W	50	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**1.2**
CPT-5-61W	61	21-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-6-26W	26	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-6-54W	54	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-6-65W	65	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-7-19W	19	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50
CPT-7-37W	37	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**1.8**
CPT-7-45W	45	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**0.88**
CPT-7-56W	56	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**0.64**
CPT-7-75W	75	22-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	<0.50

Table 4. Groundwater Analytical Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Sample	Depth (fbg)	Date Sampled	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
CPT-8-38W	38	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**160**
CPT-8-57W	57	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**75**
CPT-8-73W	73	23-Sep-04	<50	<0.50	<0.50	<0.50	<1.0	**100**

Abbreviations and Notes:

<x = Not detected at reporting limit x

µg/l = Micrograms per liter (ppb)

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

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

MTBE = Methyl tertiary butyl ether by EPA Method 8260B

Table 5. Pore Pressure Dissipation Test Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Boring	Depth of Test (fbg)	Date Sampled	Pore Pressure (psi)	Estimated Depth to Water (DTW) (fbg)	Groundwater Depth Difference (ft)	Estimated Vertical Gradient	Comments
B-4	20.01	24-Sep-04	1.5	16.6	NA	NA	
CPT-1	21.98	23-Sep-04	2.3	16.7	NA	NA	
CPT-1	37.24	23-Sep-04	8.4	17.9	-1.2	-0.1	Downward vertical gradient
CPT-1	80.05	23-Sep-04	25.4	21.6	-3.7	-0.1	Downward vertical gradient
CPT-3	13.78	25-Jan-05	3.1	6.72	NA	NA	
CPT-3	42.81	25-Jan-05	14.3	9.83	-3.1	-0.1	Downward vertical gradient
CPT-3	72.01	25-Jan-05	24.5	15.66	-5.8	-0.2	Downward vertical gradient
CPT-5	17.88	21-Sep-04	-0.5	19.0	NA	NA	
CPT-5	33.63	21-Sep-04	3.1	26.5	-7.5	-0.5	Downward vertical gradient
CPT-5	61.19	21-Sep-04	20.8	13.4	13.2	0.5	Upward vertical gradient
CPT-6	41.17	22-Sep-04	11.1	15.6	NA	NA	
CPT-6	51.84	22-Sep-04	14.7	18.0	-2.4	-0.2	Downward vertical gradient
CPT-6	58.40	22-Sep-04	17.4	18.4	-0.3	-0.1	Downward vertical gradient
CPT-7	18.54	22-Sep-04	1.5	15.1	NA	NA	
CPT-7	31.00	22-Sep-04	5.6	18.1	-3.0	-0.2	Downward vertical gradient
CPT-7	73.49	22-Sep-04	23.0	20.6	-2.5	-0.1	Downward vertical gradient
CPT-8	17.55	23-Sep-04	1.8	13.4	NA	NA	
CPT-8	30.51	23-Sep-04	6.1	16.5	-3.1	-0.2	Downward vertical gradient
CPT-8	58.23	23-Sep-04	17.0	19.1	-2.7	-0.1	Downward vertical gradient

Table 5. Pore Pressure Dissipation Test Data, Shell-branded Service Station/Former DZ Inc. Bulk Plant, 255/257 Dutton Avenue, Santa Rosa, California

Abbreviations and Notes:

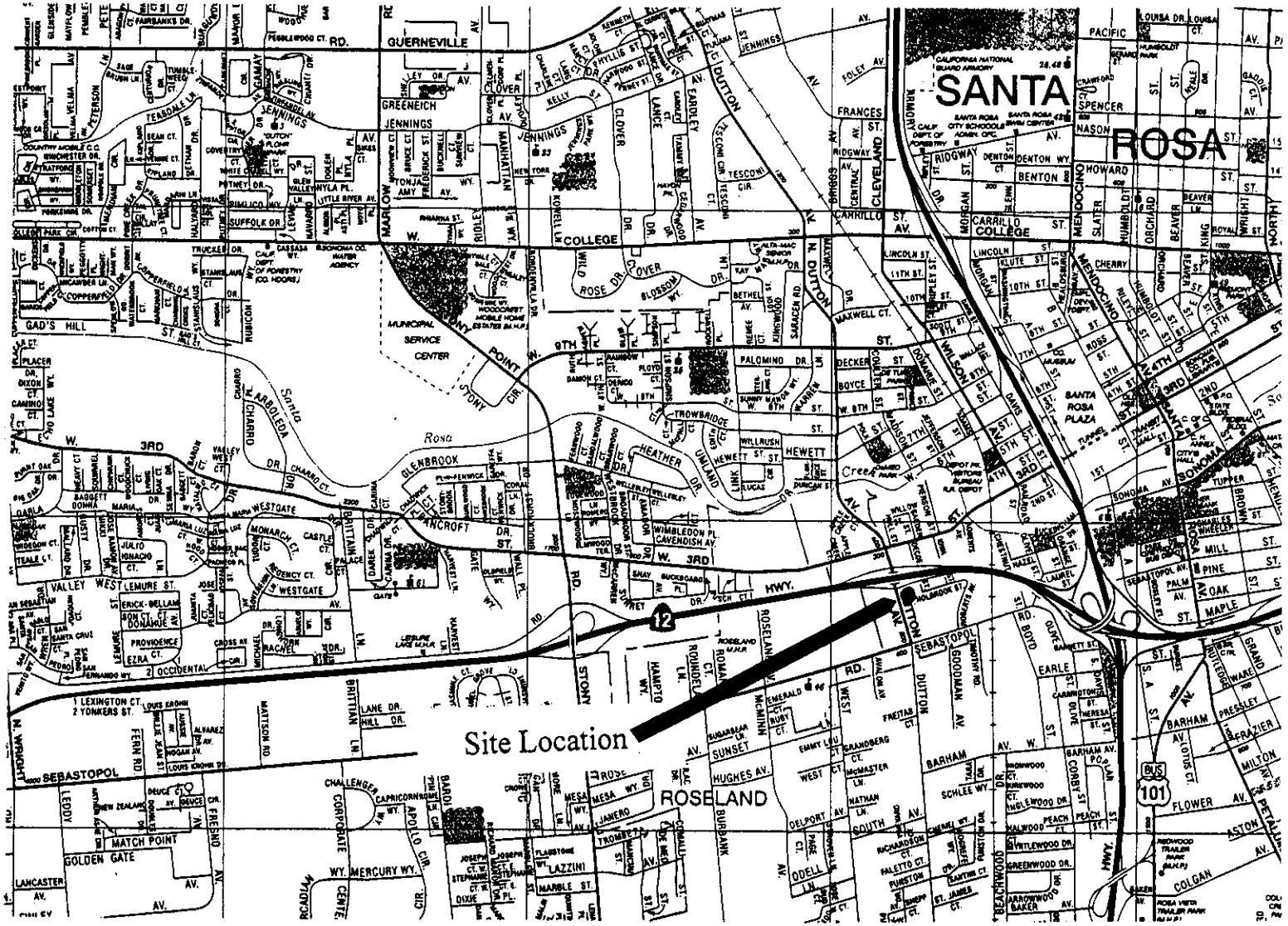
ft = feet

psi = Pounds per square inch

fbg = Feet below grade

Estimated DTW = sample depth in feet - (pore pressure in psi * 2.3 ft/psi)

Vertical gradient = (difference in DTW between sample depths)/(difference in sample depths). A negative gradient number indicates downward gradient, a positive number an upward gradient.



FIGURE

1

0173

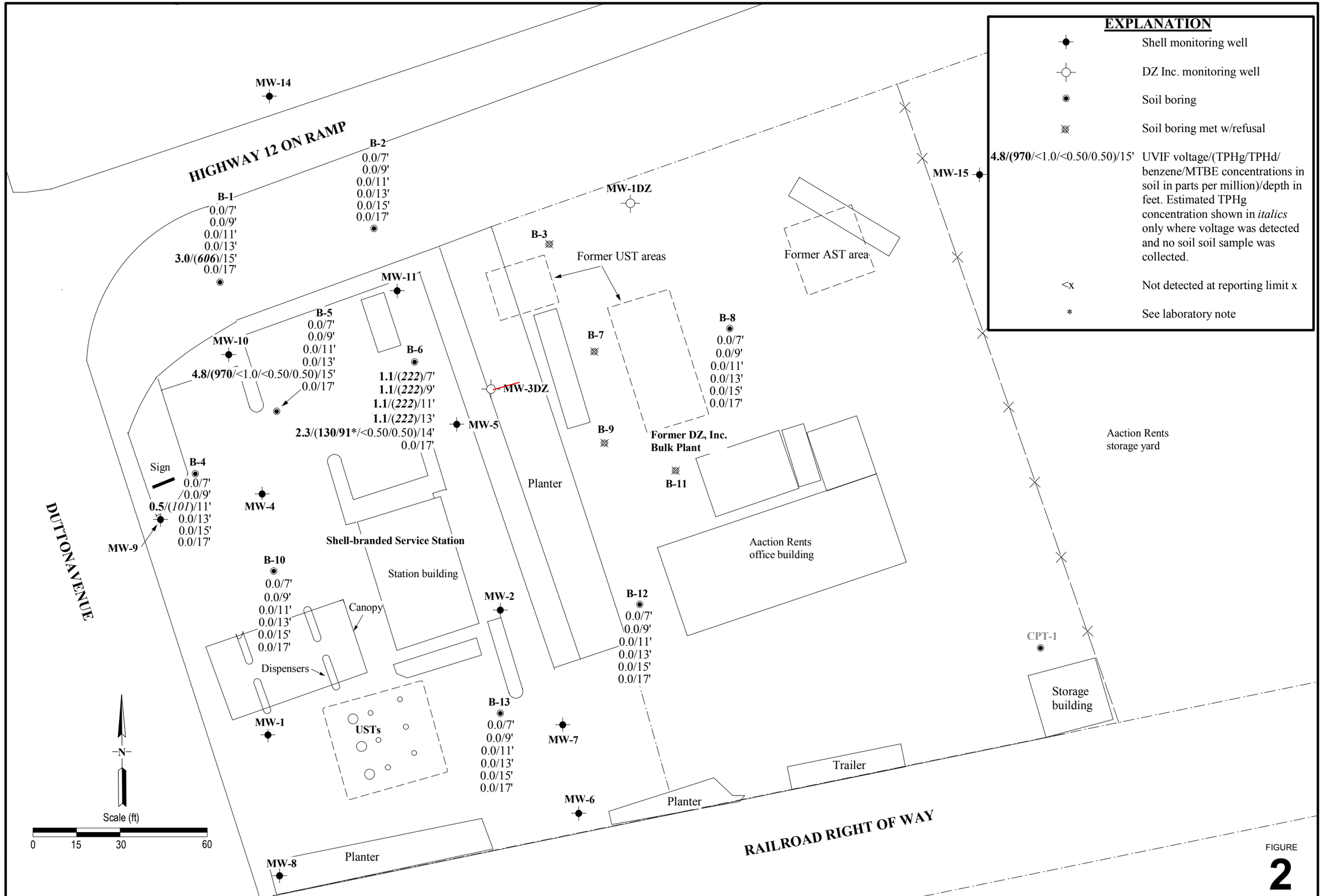
Shell-branded Service Station/
Former DZ Inc. Bulk Plant
255/257 Dutton Avenue
Santa Rosa, California

CAMBRIA

Site Vicinity Map

30-Dec-04

UVIF Data/Soil Chemical Concentration Map



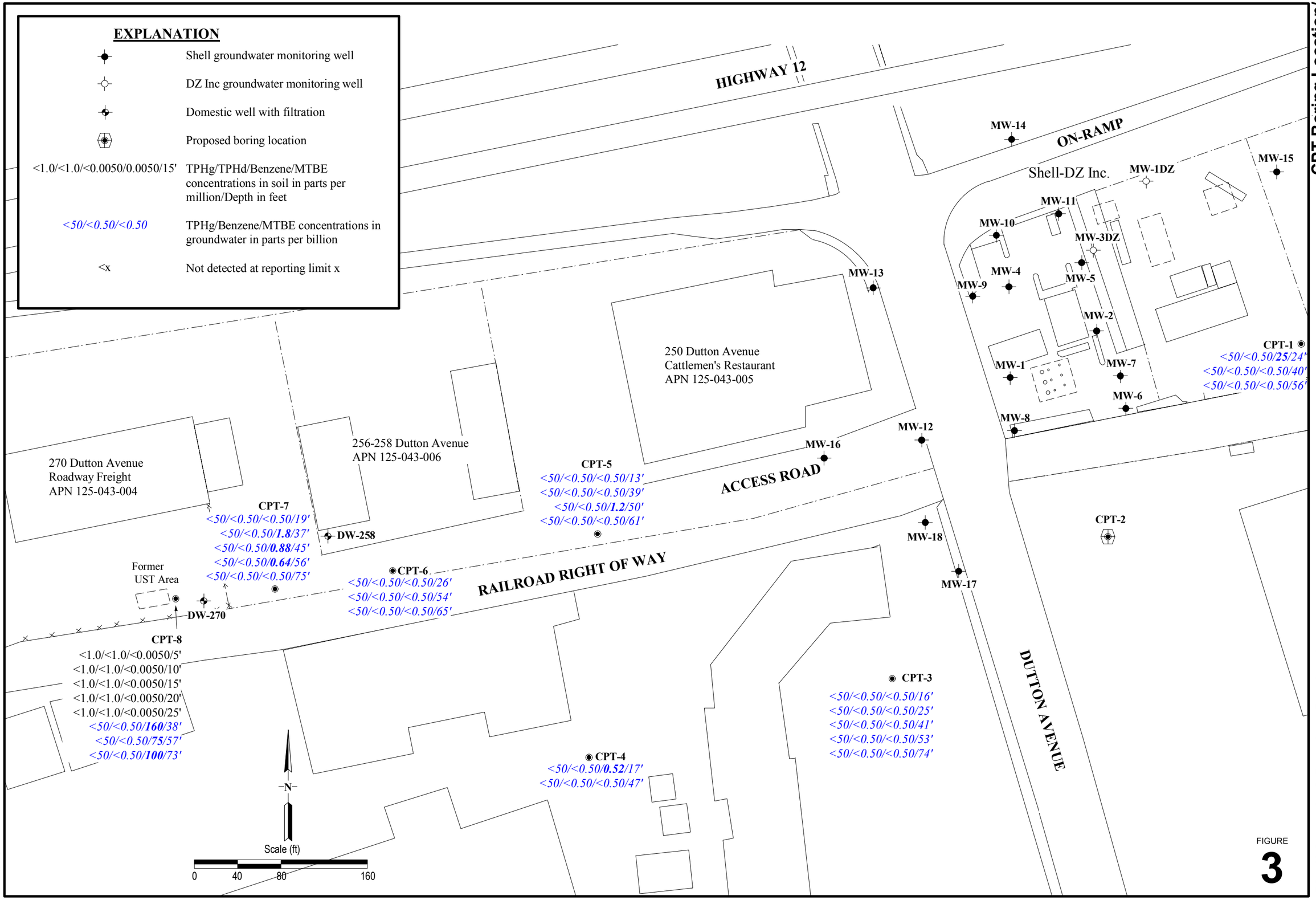
CAMBRIA

Shell-branded Service Station/ Former DZ Inc. Bulk Plant
255/257 Dutton Avenue
Santa Rosa, California

FIGURE
2

PATH: 0173

25-Jan-05



CPT Boring Location/
Soil and Groundwater Chemical
Concentration Map

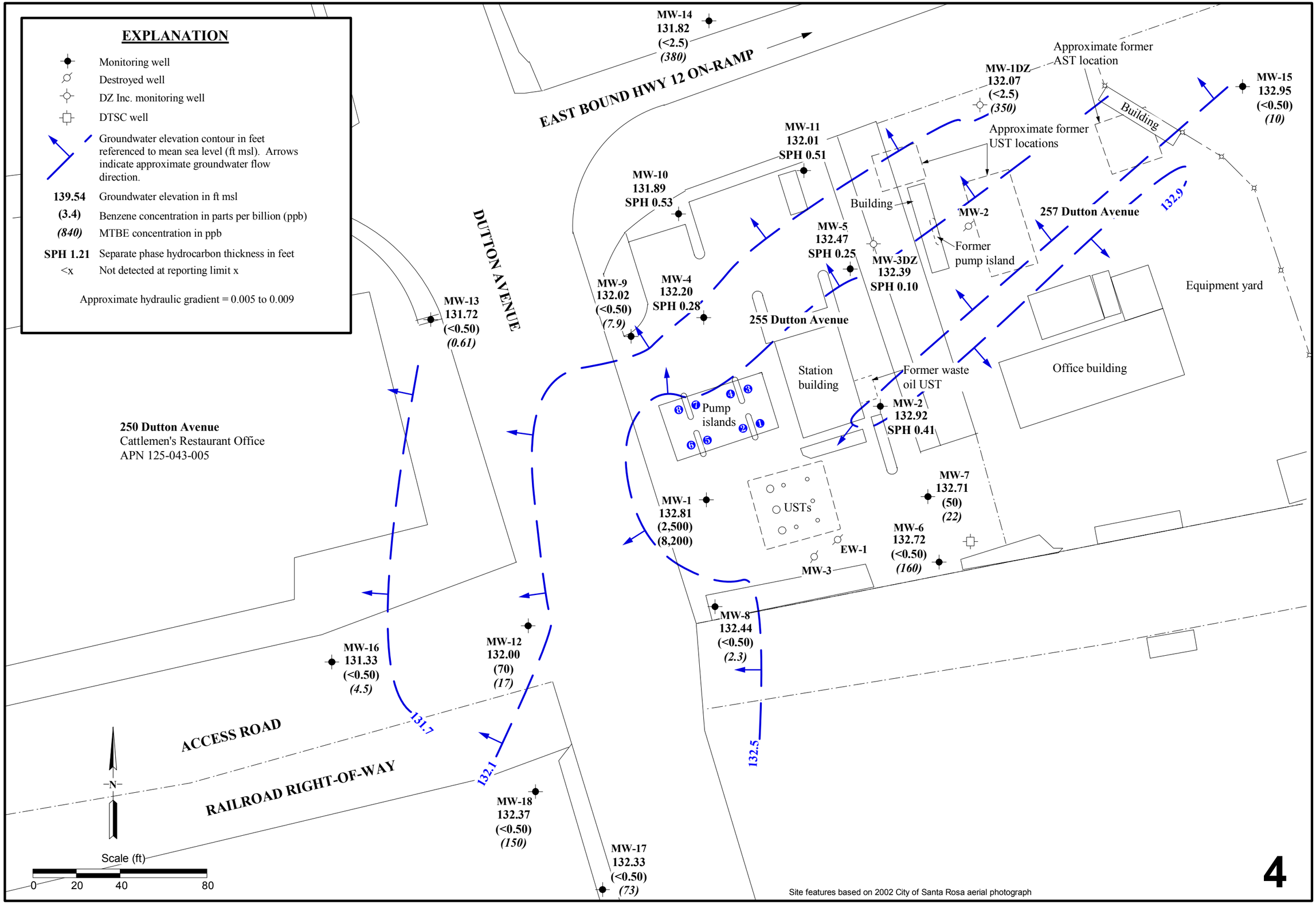
CAMBRIA

FIGURE
3

Shell-branded Service Station/
Former DZ Inc. Bulk Plant
255/257 Dutton Avenue
Santa Rosa, California

PATH:0173

08-Oct-04



4

Groundwater Contour/ Chemical Concentration Map

August 25, 2004

C A M B R I A

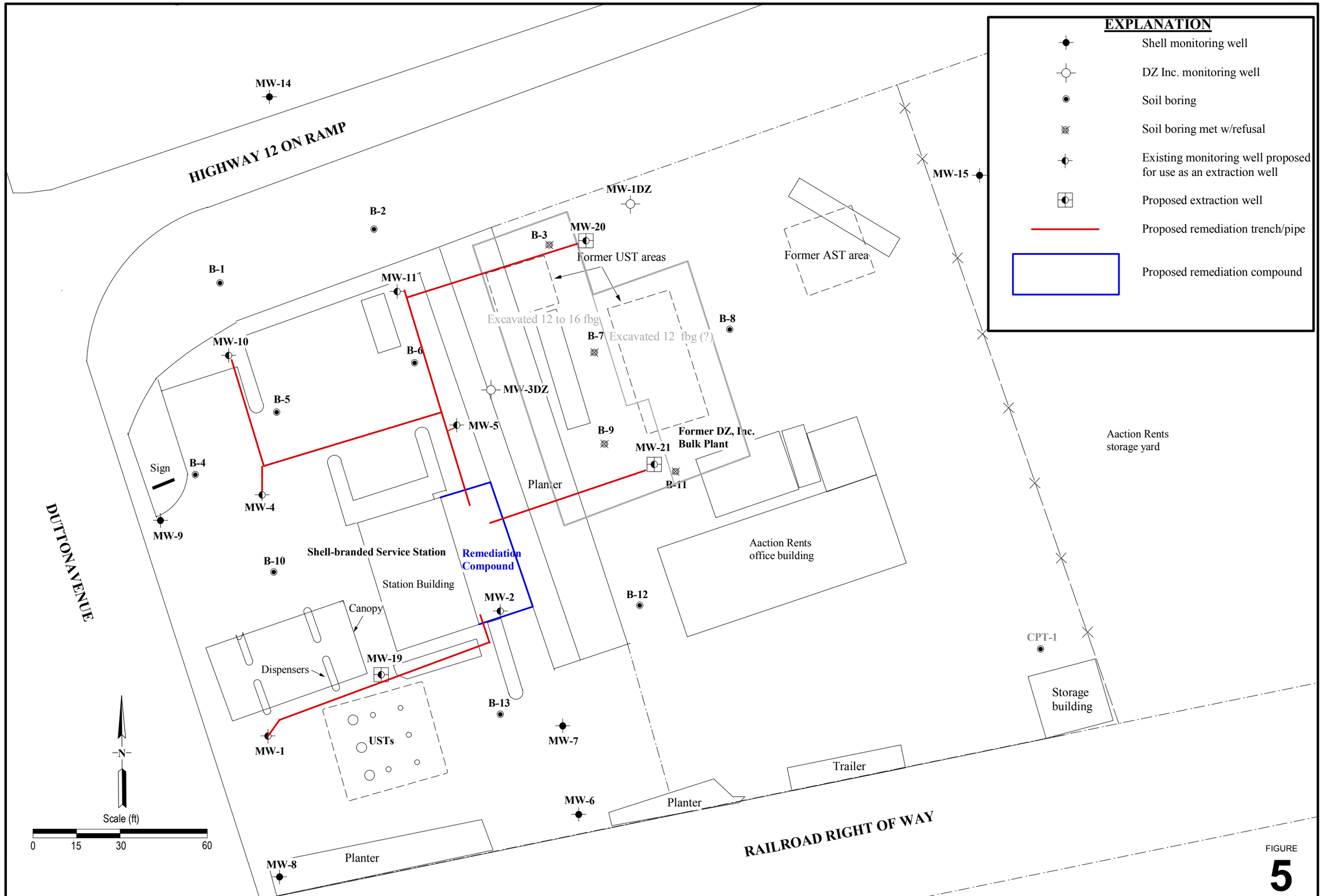
Shell-branded Service Station/ Former DZ Inc. Bulk Plant

255/257 Dutton Avenue
Santa Rosa, California

0173

30-Dec-04

MPE System Layout



CAMBRIA

Shell-branded Service Station/
Former DZ Inc. Bulk Plant
255/257 Dutton Avenue
Santa Rosa, California

FIGURE
5

PATH: 0173

Appendix A

Permits

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
3273 Airway Drive, Suite D, Santa Rosa, CA 95403-2067
(707) 565-6565 www.sonoma-county.org

For Office Use Only
Amount paid $916.00
Receipt number 758
Payment date 9/21/04
Revenue code 1342

APPLICATION FOR MONITORING WELL PERMIT
for Regional Board Lead/Environmental Assessment

Site ID # 1121 Permit # 4427

Well type: [ ] Monitoring well [ ] Recovery extraction well [X] Boring [ ] Injection well
[ ] Soil gas survey [ ] Hydropunch [ ] Air sparging/venting [ ] Other

Well depth Boring depth Shallow 15, Deep 40-70' Hydro depth Air sparging/venting depth

On-site well/boring 12 ID # B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, B-12, CPT-1 # Off-site well/boring 9 ID # CPT-1, CPT-3, CPT-4, CPT-5, CPT-6, CPT-7, CPT-8, B-1, B-2

Submit legal right-of-entry/off-site well address/encroachment permit

On-site Address 255 Bellevue Ave, Santa Rosa, CA

On-site Owner Santa Fe Springs LLC dba Shell Products US Phone

Address PO Box 4369, Houston, TX 77210 AP#

Responsible Party Shell Products US Phone 707-965-[illegible]

Address 20945 S Wilmington Avenue, Carson, CA 90810

Consultant Cambria Environmental Technology, Inc. Phone 707-933-2369

Address 2106 Pacific Street, Suite, CA 95476 License #/Type

Drilling Contractor Craig Testa Phone 925-313-5800

Address 930 Howe Road, Martinez, CA 94553 C-57 License # 656401

Type of work: [ ] Initial investigation # Wells [ ] Subsequent investigation # Wells [ ] Destruct # Wells

Groundwater investigation due to: [X] Underground tank [ ] Surface impoundment [ ] Assessment
[ ] Surface disposal practice—specify involved industry
[ ] Other

Perforated intervals N/A Chemical constituents Gasoline

Disposal method for soil cuttings Hauled away to landfill Disposal method for development water Recycled [illegible]

Drilling method Cone penetrometer (CPT) Method of drill equip. rinsate containment

If destroying a well, abandonment method

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leachfield? [ ] Yes [X] No
50 feet of any sanitary sewer line? [ ] Yes [ ] No
25 feet of any private sanitary sewer line? [ ] Yes [ ] No

In addition, all monitoring wells must include ***identification system*** affixed to interior surface:
1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

RWQCB approval [illegible] Date 6/21/04

Address 255 Dutton Avenue

Santa Rosa, CA

Site ID# 1121

Permit # 4427

WORKERS COMPENSATION CERTIFICATE

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 525-6565, 24 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days in order to obtain final approval on this well. I acknowledge that the application will become a permit *only* after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

[ ] A currently effective certificate of Workers Compensation Insurance coverage is on file with this office, ***made out in the name of the Sonoma County Department of Health Services.***

Signature of Well Driller—***no proxies*** Date [illegible]

Insurance Carrier [illegible] Expiration Date [illegible]

Once all wells/borings are installed, submit a "Letter of Completion" to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH DIVISION

Permit approved by [illegible] Date 9/9/04

Constr. approved by _____ Observed? [ ] Yes [ ] No Well # _____ Date ___/___/___

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120

Permit No. 0404-6SV1356	
Dist/Co/Rte/PM 04-Son-12 15.3	
Date August 12, 2004	
Fee Paid $328.00	Deposit $
Performance Bond Amount (1) $	Payment Bond Amount (2)
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (*Check one*):

COPY

☒ Your application of July 29, 2004

☐ Utility Notice No. _____ of _____

☐ Agreement No. _____ of _____

☐ R/W Contract No. _____ of _____

TO: Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476

Attn: Mr. Scott Lewis
Phone: (707) 935-4850

, **PERMITTEE**

RECEIVED
AUG 24 2004
BY: _____

and subject to the following, **PERMISSION IS HEREBY GRANTED** to:
Drill two soil borings on the shoulder of the on-ramp to eastbound State Highway 04-Son-12, Post Mile 15.3, at 255 Dutton Avenue, in the City of Santa Rosa, in Sonoma County.

A minimum of one week prior to the start of work under this permit, notice shall be given and advance approval of construction detail, operations, public safety and traffic control shall be obtained from State Representative Dave Dowdy, 202 4th Street, Santa Rosa, CA, 95401, (707) 576-2857, weekdays between the hours of 7:30 AM and 4:15 PM, holidays excluded.

All permitted work requires the permittee to apply for and obtain a work authorization number prior to start of work. See attached "Encroachment Permit Project Work Scheduling Procedures" and attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven-day advance notice may be required for obtaining approval for traffic control.

Immediately following completion of the work permitted herein, the Permittee shall fill out and mail the Notice of Completion attached to this permit.

The following attachments are also included as part of this permit (*Check applicable*):

☒ Yes	☐ No	General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Provisions
☐ Yes	☒ No	A Cal-OSHA permit required prior to beginning work: # _____

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☐ Yes	☒ No	Inspection
☒ Yes	☐ No	Field Work

(If any Caltrans effort expended)

☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is compl1eted before November 30, 2004.
This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

DAC
cc: DFK, DDowdy
TMC JRichardson
DTM-BLoo
City of Santa Rosa

Project No. 0173
RPT ____ PF ✓ BF ____
1 ____ 2 ✓ 3 ____ 4 ____ 5 ____ 6 ____

APPROVED:

BIJAN SARTIPI, District Director

BY:

S. S. NOZZARI, District Permit Engineer

Appendix B

CPT Site Investigation Report

GREGG DRILLING AND TESTING, INC.
GREGG IN SITU, INC.
ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION SERVICES

October 11, 2004

Cambria
Attn: Scott Lewis
270 Perkins Street
Sonoma, California 95476

Subject: CPT Site Investigation
255 Dutton Street
Santa Rosa, California
GREGG Project Number: 04-305ma

Dear Mr. Lewis:

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

1	Cone Penetration Tests	(CPTU)	x
2	Pore Pressure Dissipation Tests	(PPD)	x
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	x
6	Groundwater Sampling	(GWS)	x
7	Soil Sampling	(SS)	x
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (562) 427-6899.

Sincerely,
GREGG IN SITU, Inc.

Mary Walden
Operations Manager

950 Howe Road • Martinez, California 94553 • (925) 313-5800 • FAX (925) 313-0302
OTHER OFFICES: SUMMERVILLE • LOS ANGELES • SALT LAKE CITY • HOUSTON • VANCOUVER • WEST BERLIN (NJ) •AUGUSTA
www.greggdrilling.com

Bibliography

Campanella, R.G. and I. Weemees, "Development and Use of An Electrical Resistivity Cone for Groundwater Contamination Studies", Canadian Geotechnical Journal, Vol. 27 No. 5, 1990 pp. 557-567.

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Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986
pp. 791-803.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

Roberston, P.K., "Soil Classification using the Cone Penetration Test", Canadian Geotechnical Journal, Vol. 27, 1990 pp. 151-158.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

APPENDIX CPT

Cone Penetration Testing Procedure (CPT)

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

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

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

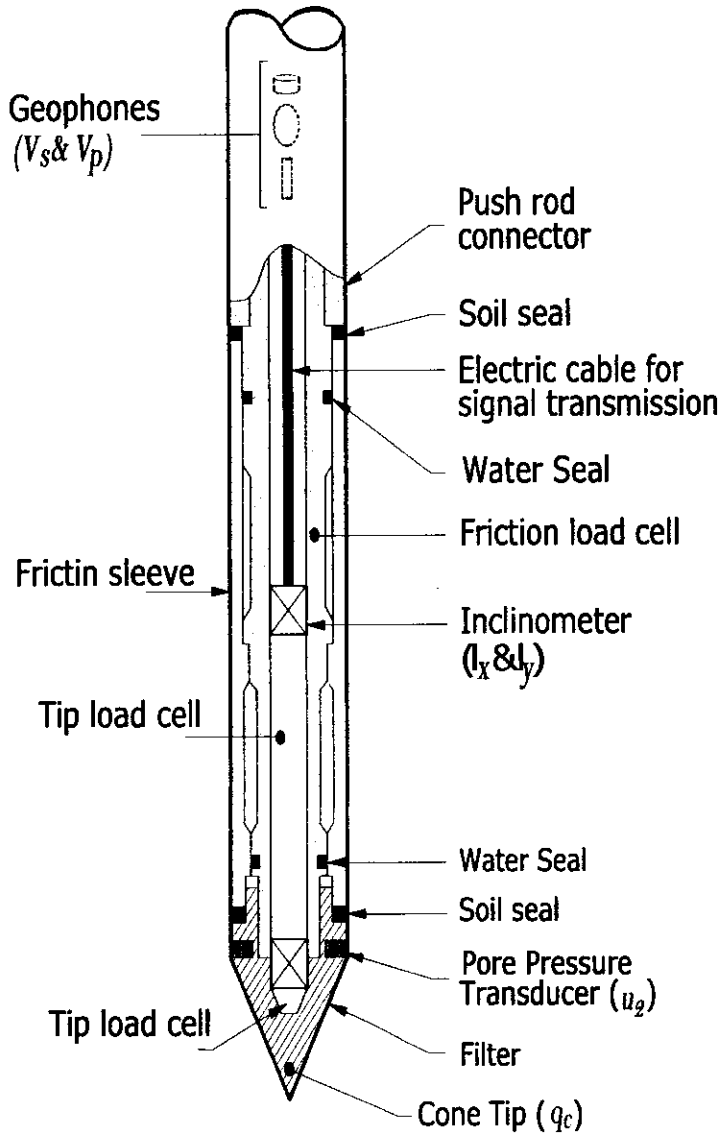


Figure CPT

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

Cone Penetration Test Data & Interpretation

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

Cohesive soils (clays)

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

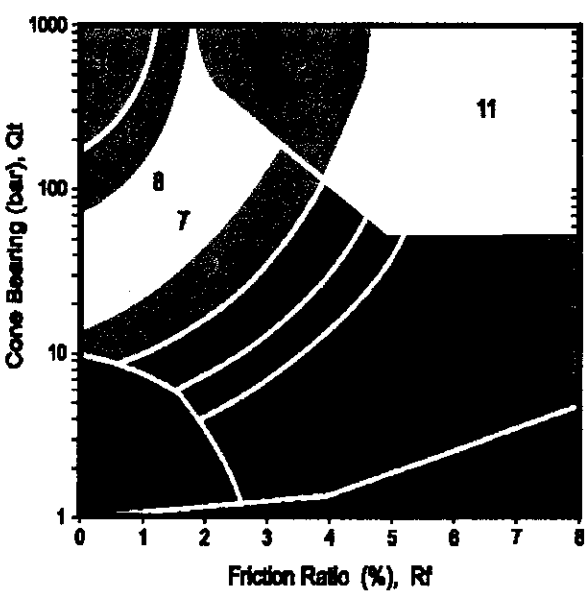
Cohesionless soils (sands)

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

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

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

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



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

*over consolidated or cemented

Figure SBT

Cone Penetration Test Sounding Summary

-Table 1-

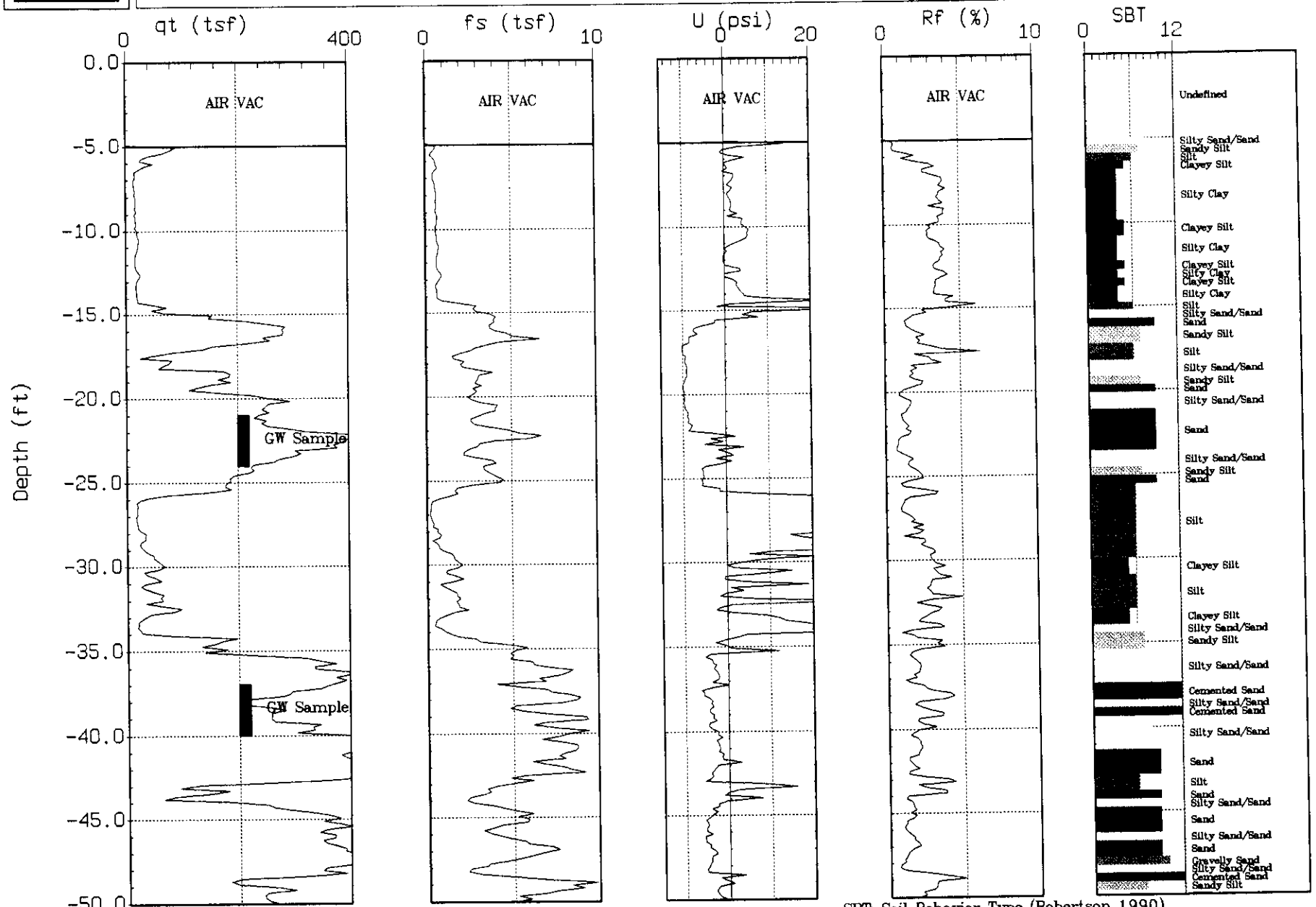
CPT Sounding Identification	Date	Termination Depth (Feet)	Depths of Groundwater Samples	Depths of Soil Samples	Depth of Pore Pressure Dissipation Tests
CPT-01	9/23	80	24/40/56/69	-	22/37/80
CPT-04	9/20	80	17/30/47/64	-	-
CPT-05	9/21	80	18/40/52/62	-	17/33/61
CPT-06	9/22	80	17/26/45/55/66	-	41/52/58
CPT-07	9/22	80	20/38/46/57/76	-	18/31/73
CPT-08	9/23	80	19/38/57/73	5/10/15/20/25	17/30/58
B-1	9/24	20	-	-	-
B-2	9/24	20	-	-	-
B-3	9/24	6	-	-	-
B-4	9/24	20	-	-	20
B-5	9/24	20	-	-	-
B-6	9/24	20	-	-	-
B-7	9/24	6	-	-	-
B-8	9/23	20	-	-	-
B-9	9/24	4.5	-	-	-
B-10	9/24	20	-	-	-
B-11	9/24	5.5	-	-	-
B-12	9/24	20	-	-	-
B-13	9/24	20	-	-	-

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-01

Geologist: S. LEWIS
Date: 09:23:04 12:34



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

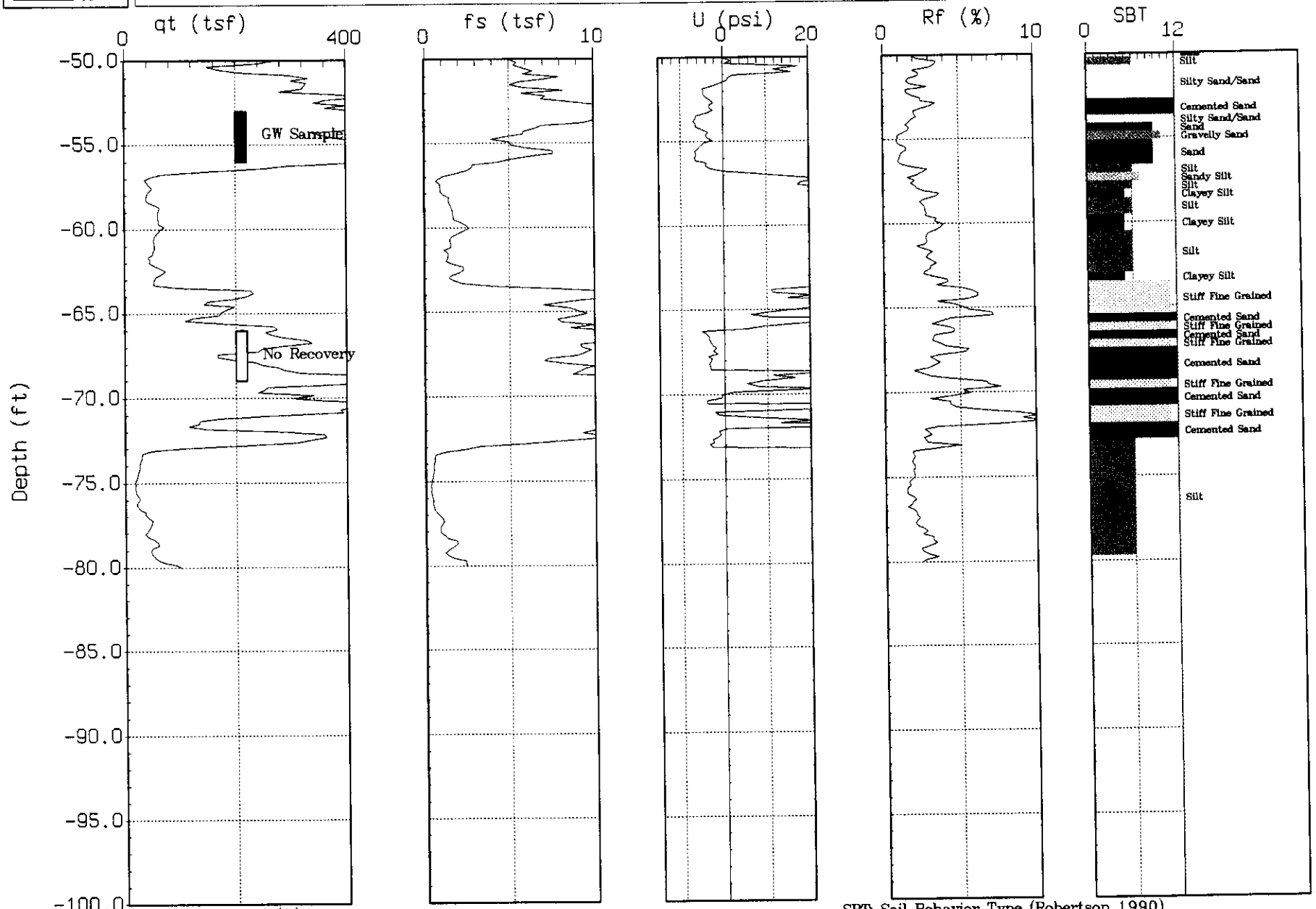
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-01

Geologist: S. LEWIS
Date: 09:23:04 12:34



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

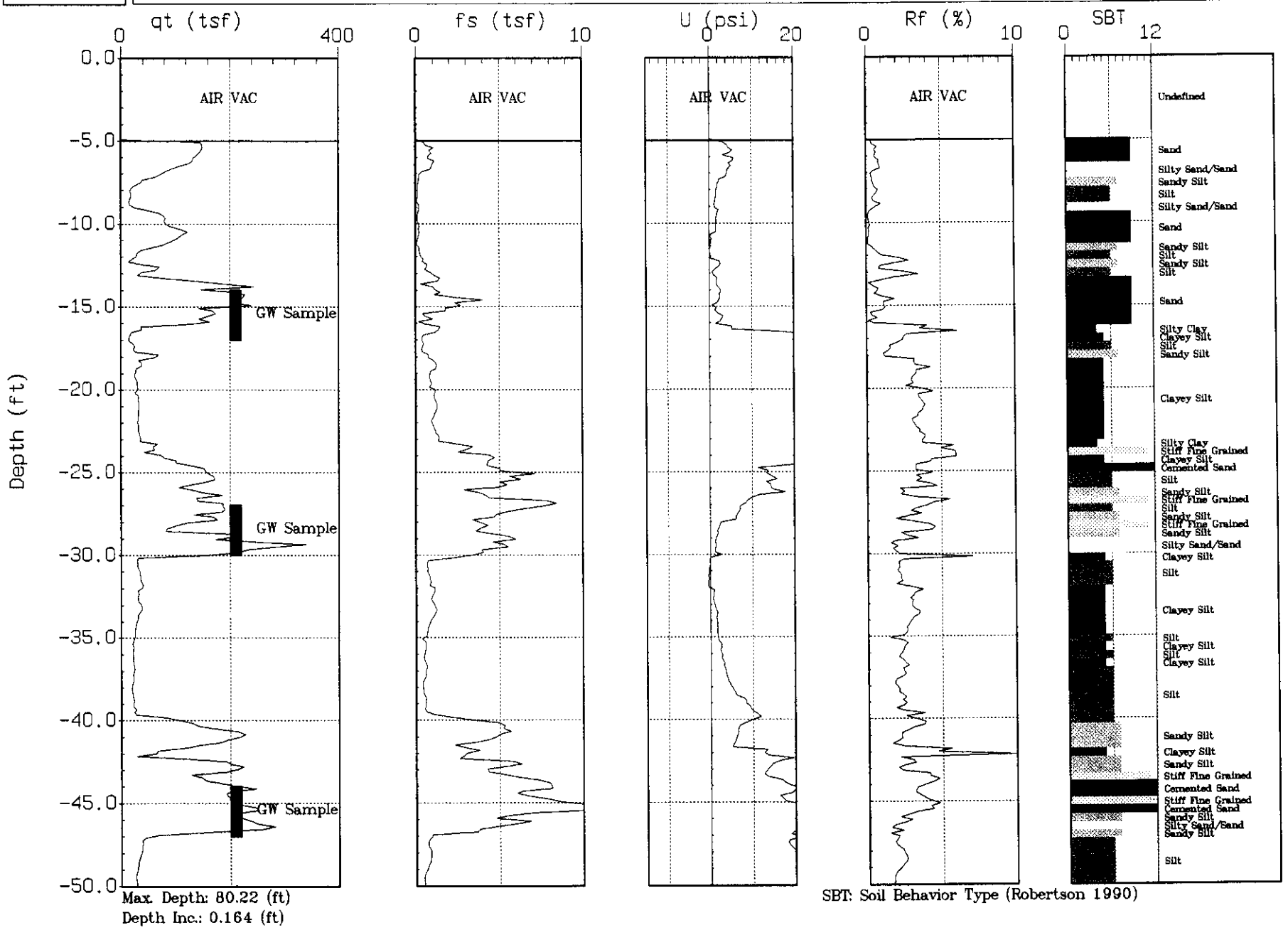
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-04

Geologist: S. LEWIS
Date: 09:20:04 14:26



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

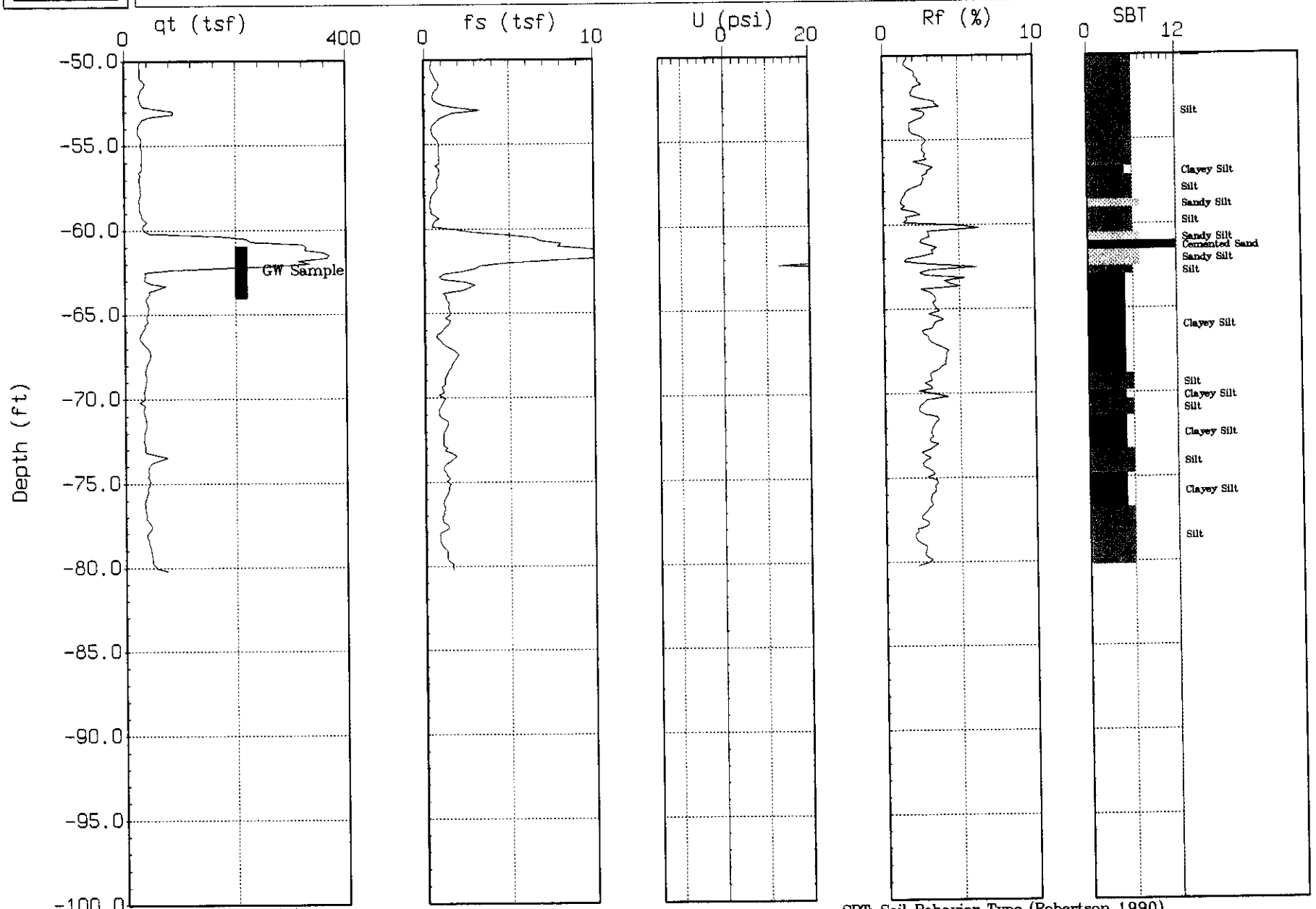
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-04

Geologist: S. LEWIS
Date: 09:20:04 14:26



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

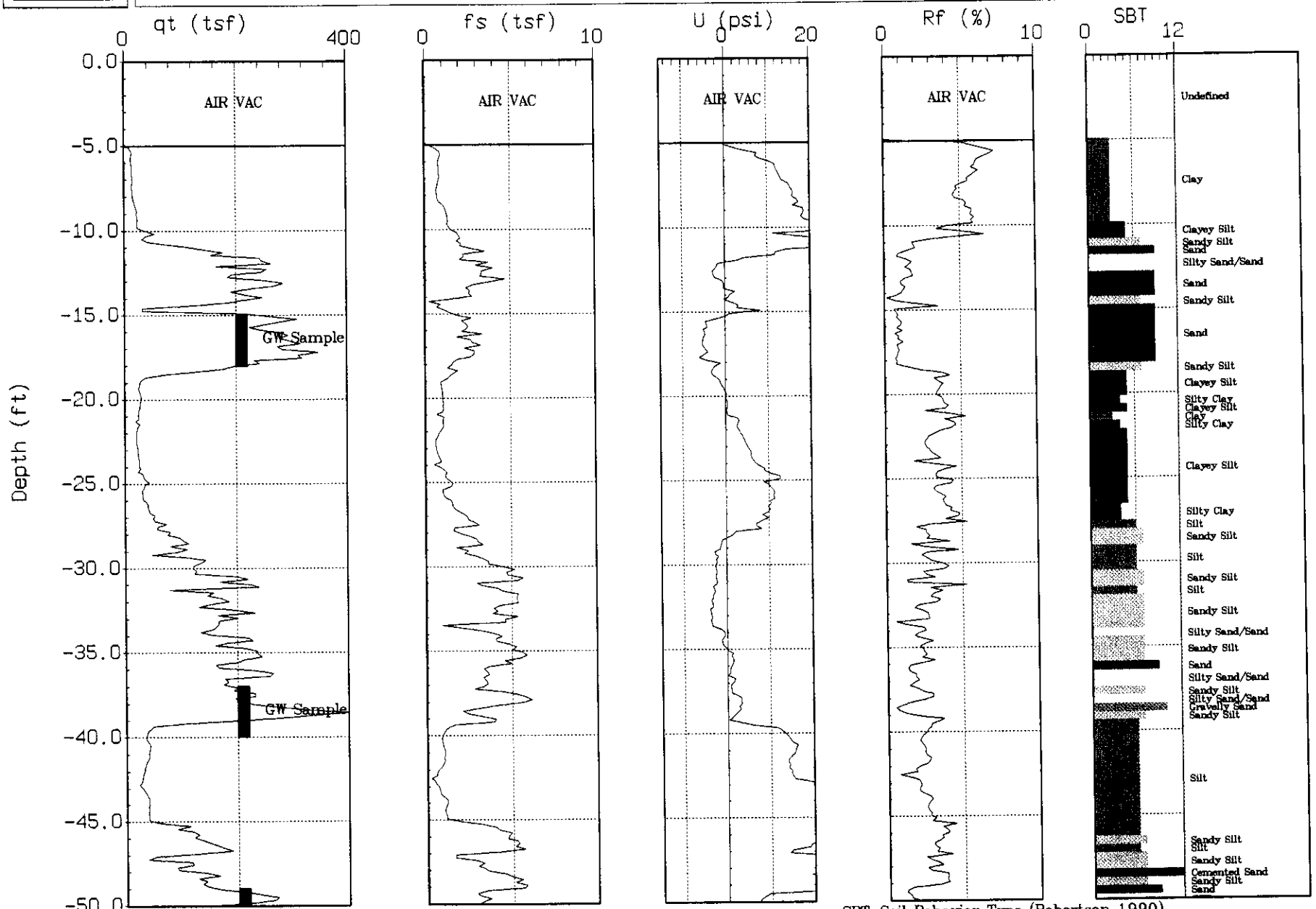
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 255 DUTTON AVE.
Location: CPT-05

Geologist: S. LEWIS
Date: 09:21:04 11:50



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

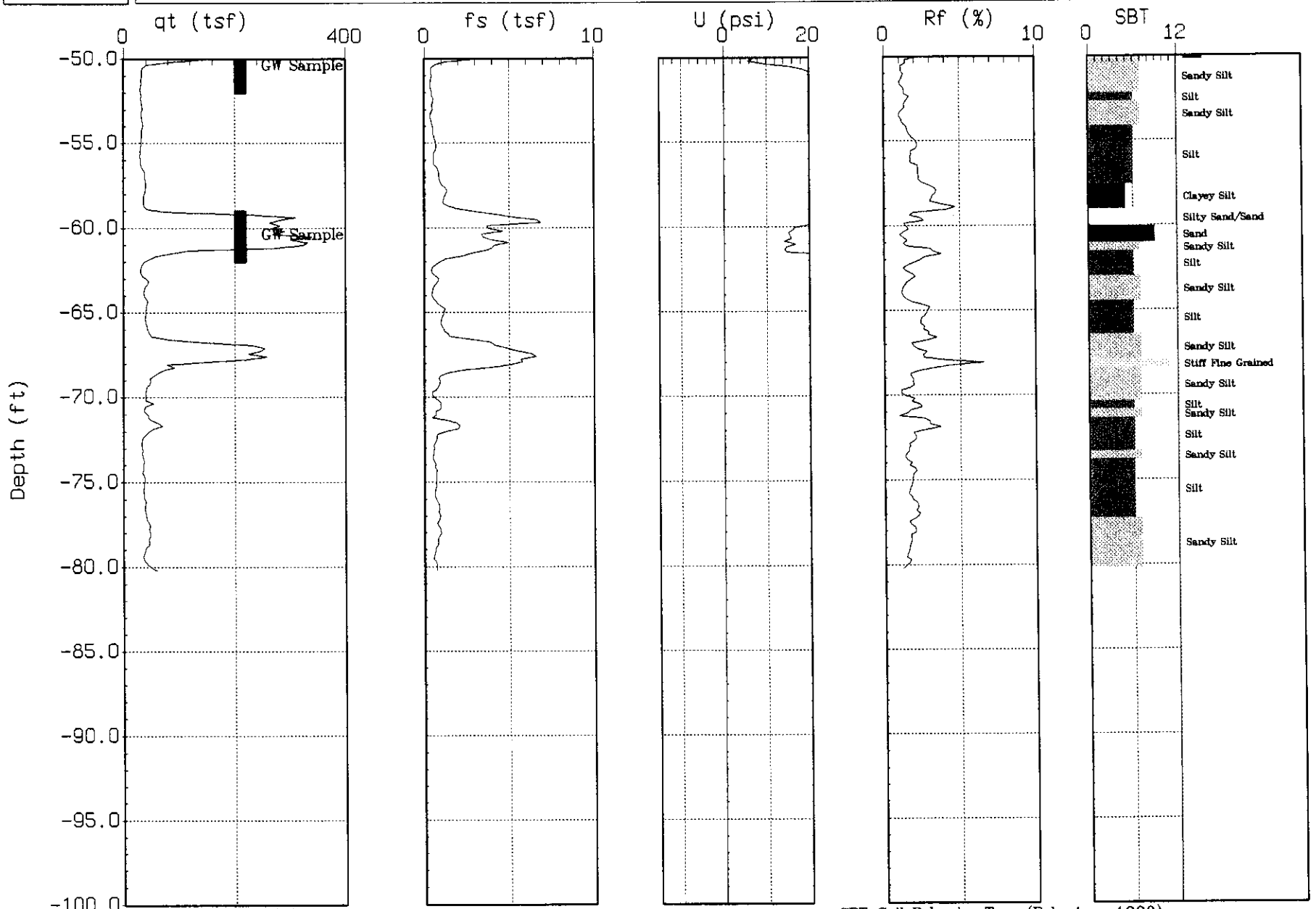
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 255 DUTTON AVE.
Location: CPT-05

Geologist: S. LEWIS
Date: 09:21:04 11:50



Max. Depth: 80.22 (ft)
Depth Inc.: 0.164 (ft)

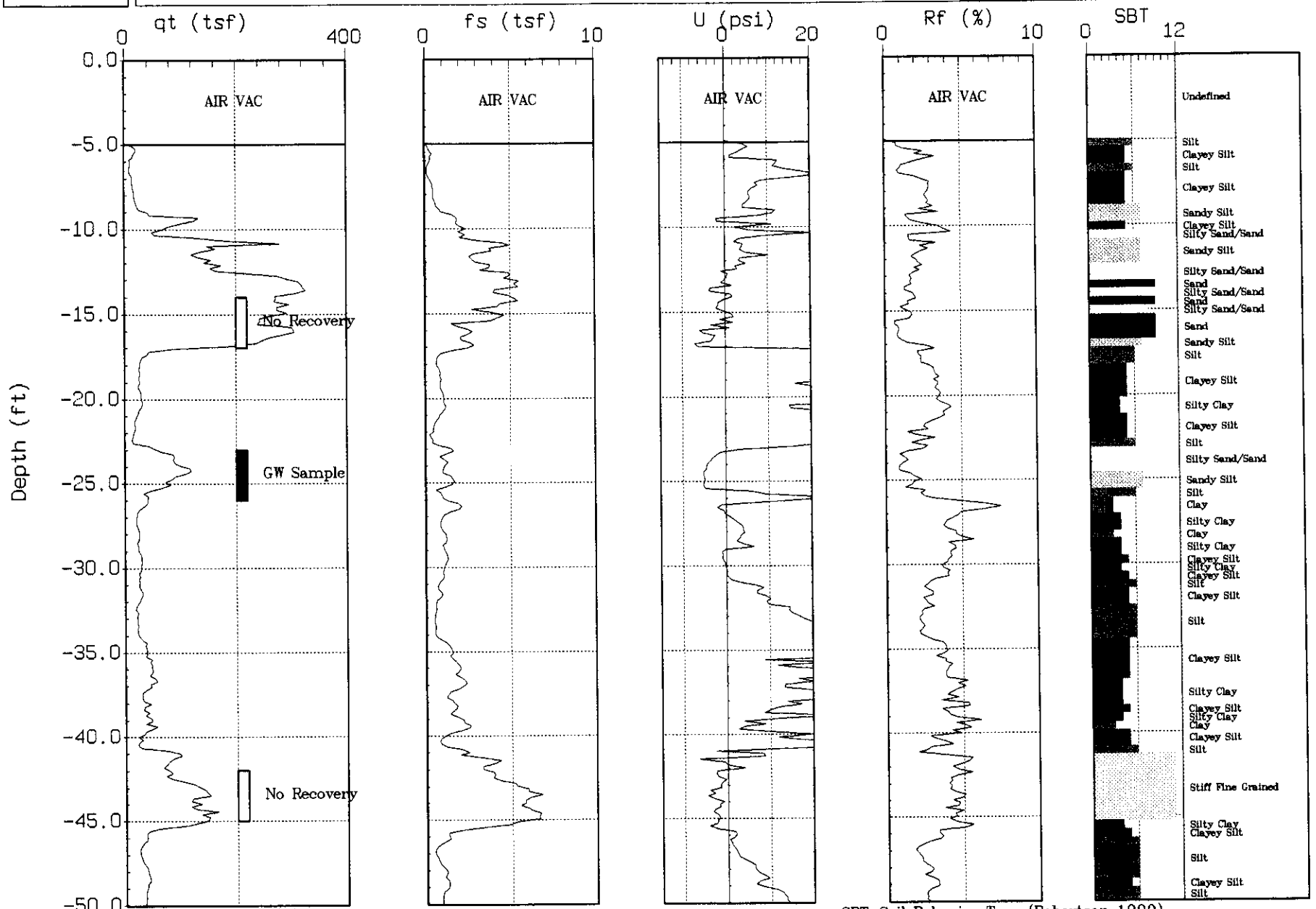
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-06

Geologist: S. LEWIS
Date: 09:22:04 08:54



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

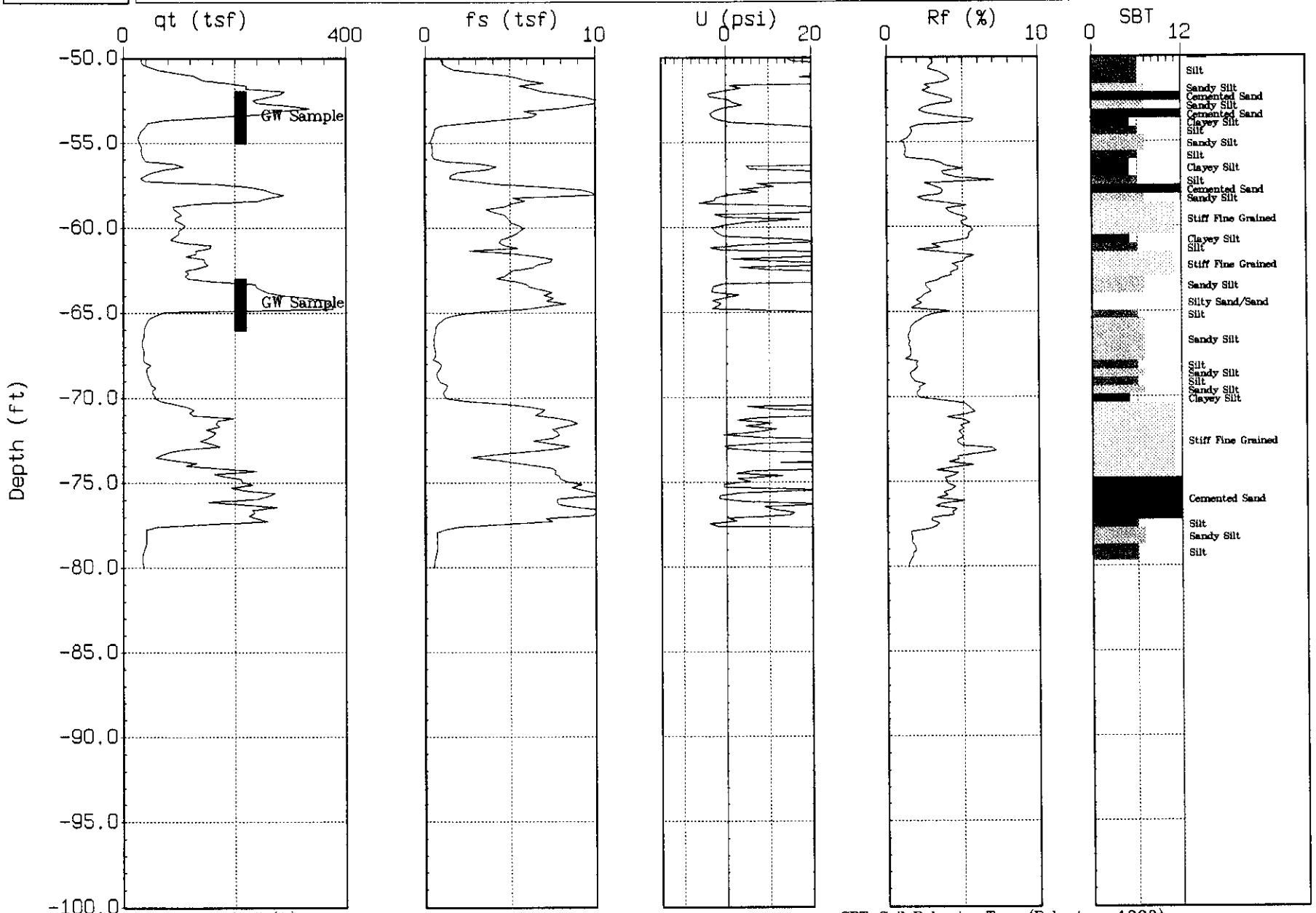
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-06

Geologist: S. LEWIS
Date: 09:22:04 08:54



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

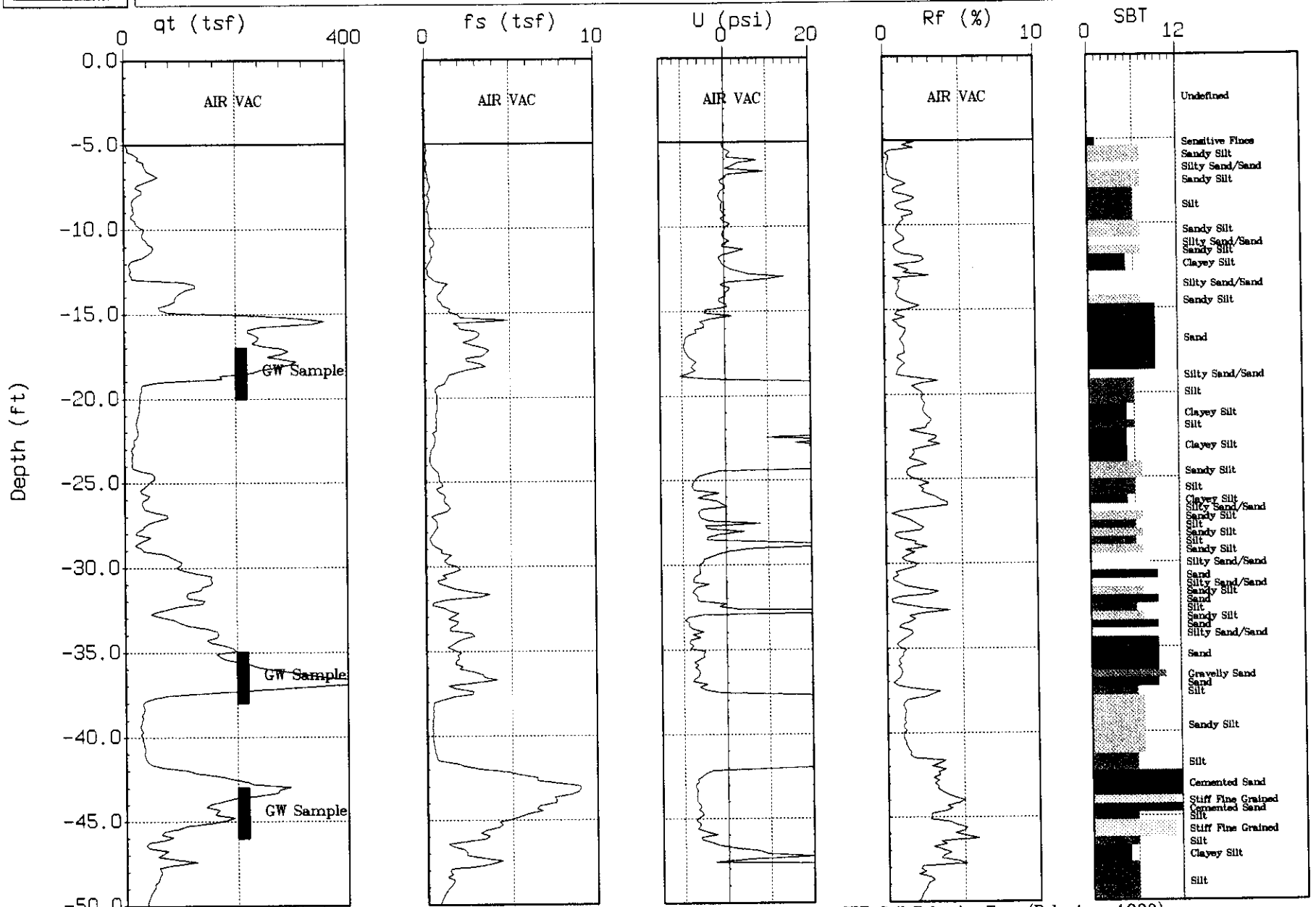
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-07

Geologist: S. LEWIS
Date: 09:22:04 13:20



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

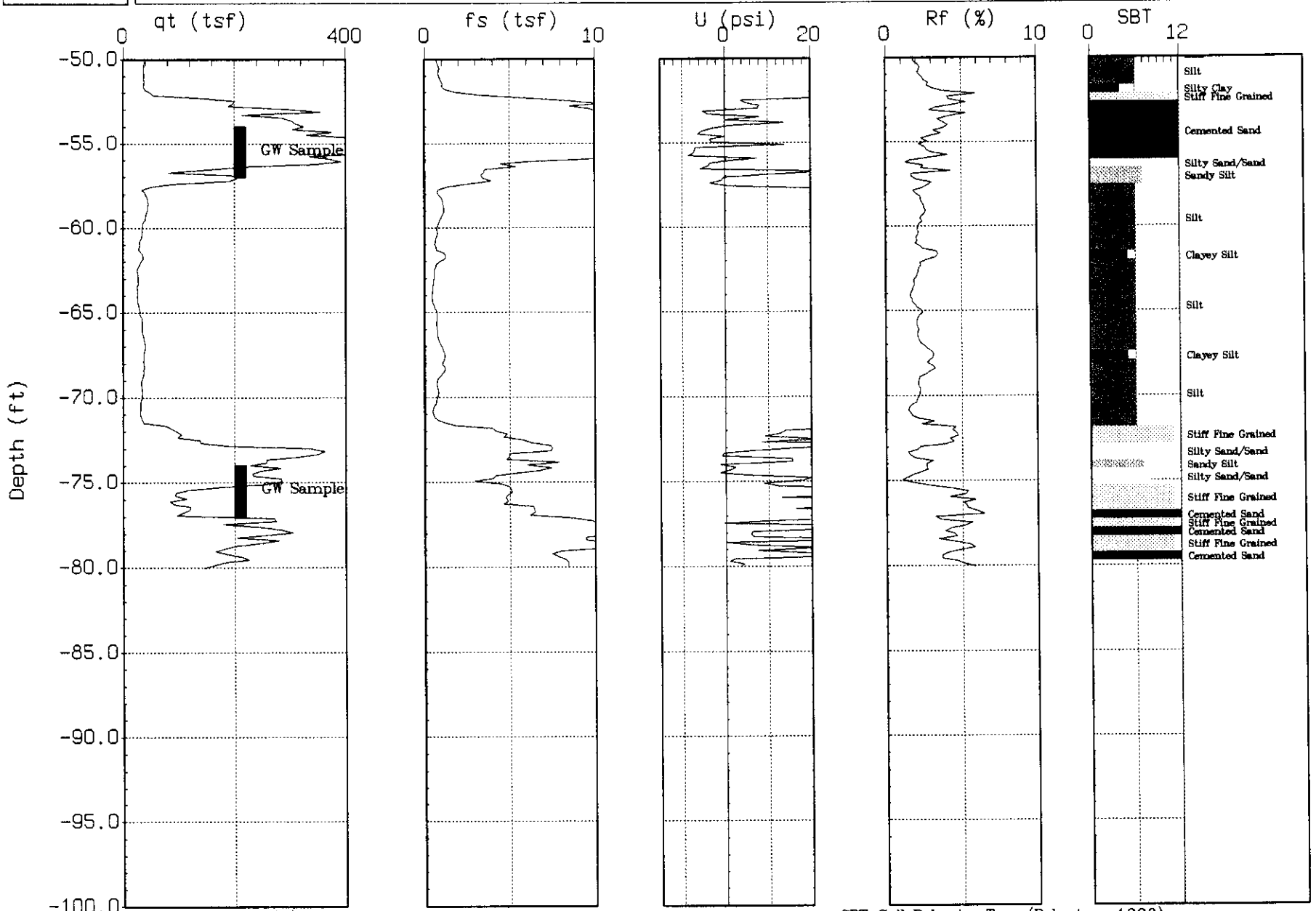
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-07

Geologist: S. LEWIS
Date: 09:22:04 13:20



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

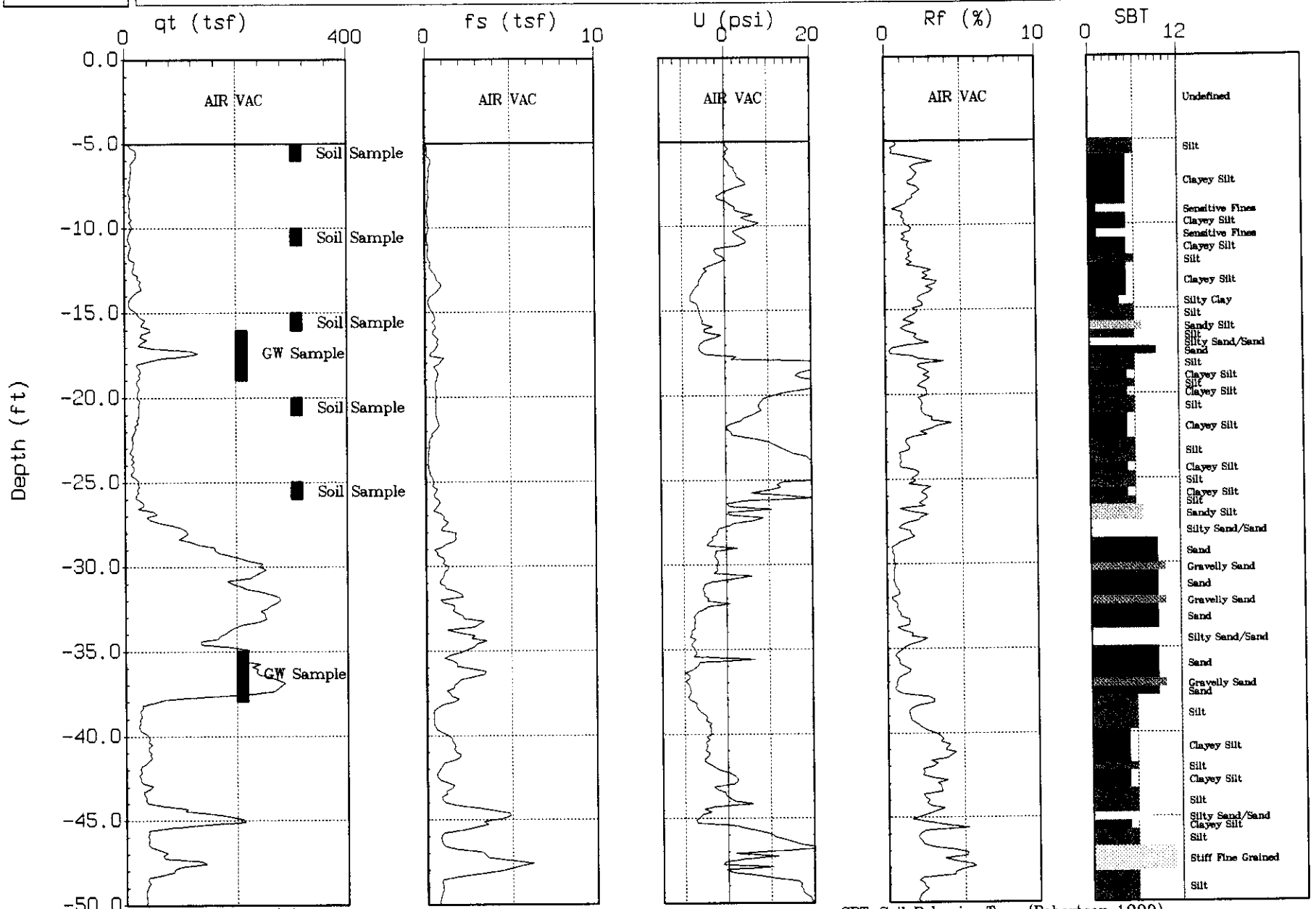
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-08

Geologist: S. LEWIS
Date: 09:23:04 08:30



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Depth Inc.: 0.164 (ft)

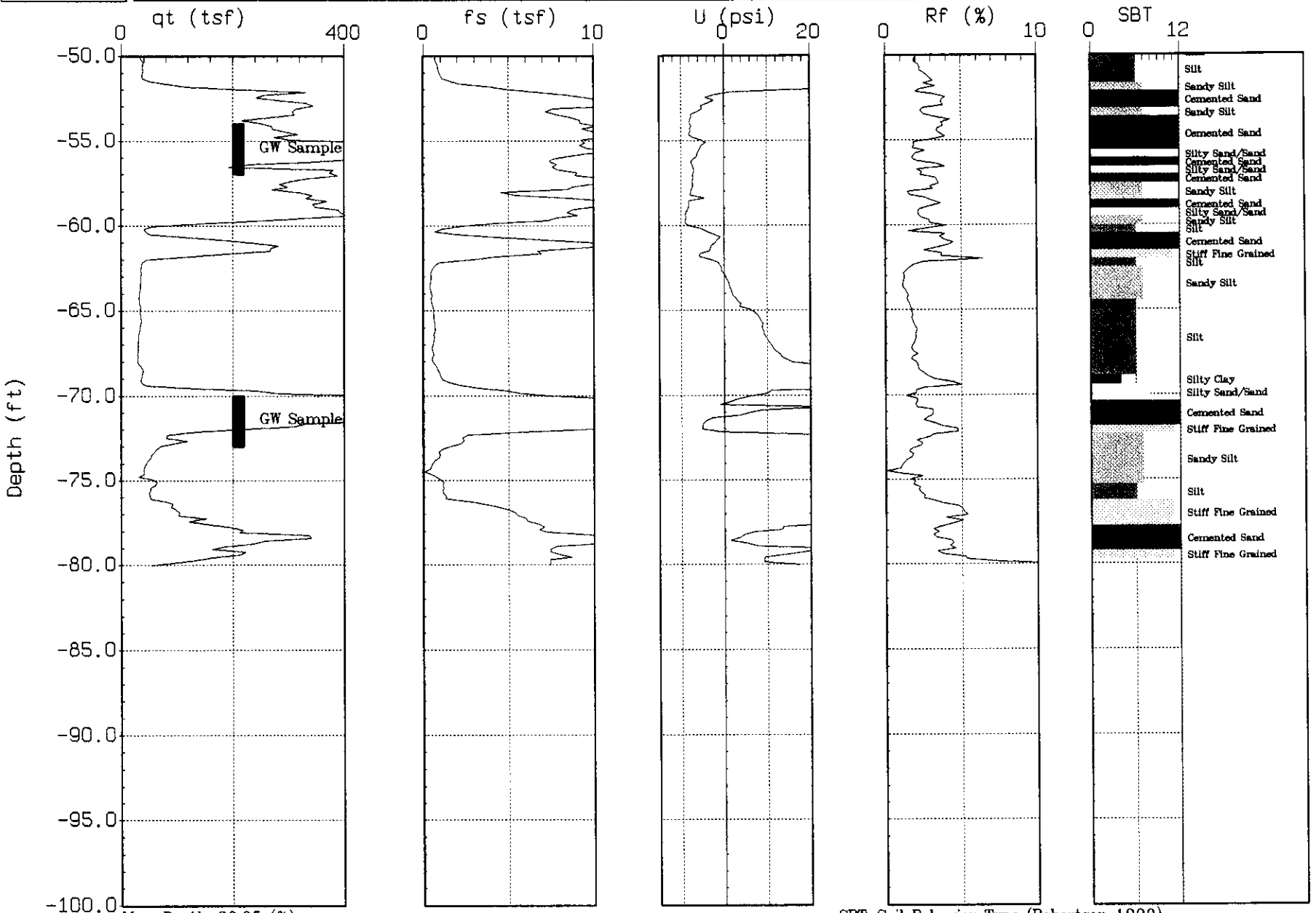
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-08

Geologist: S. LEWIS
Date: 09:23:04 08:30



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

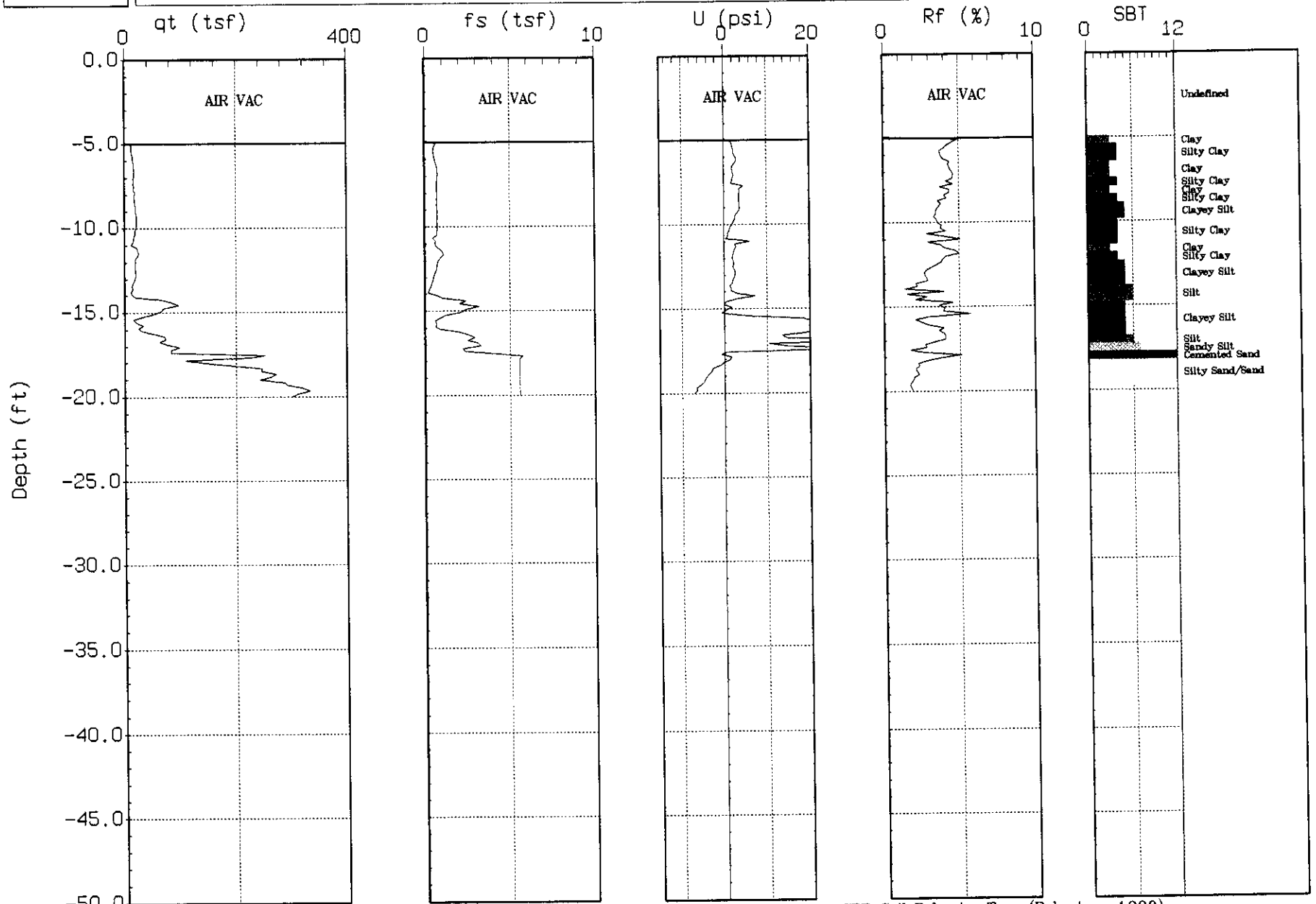
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-01

Geologist: S. LEWIS
Date: 09:24:04 10:52



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

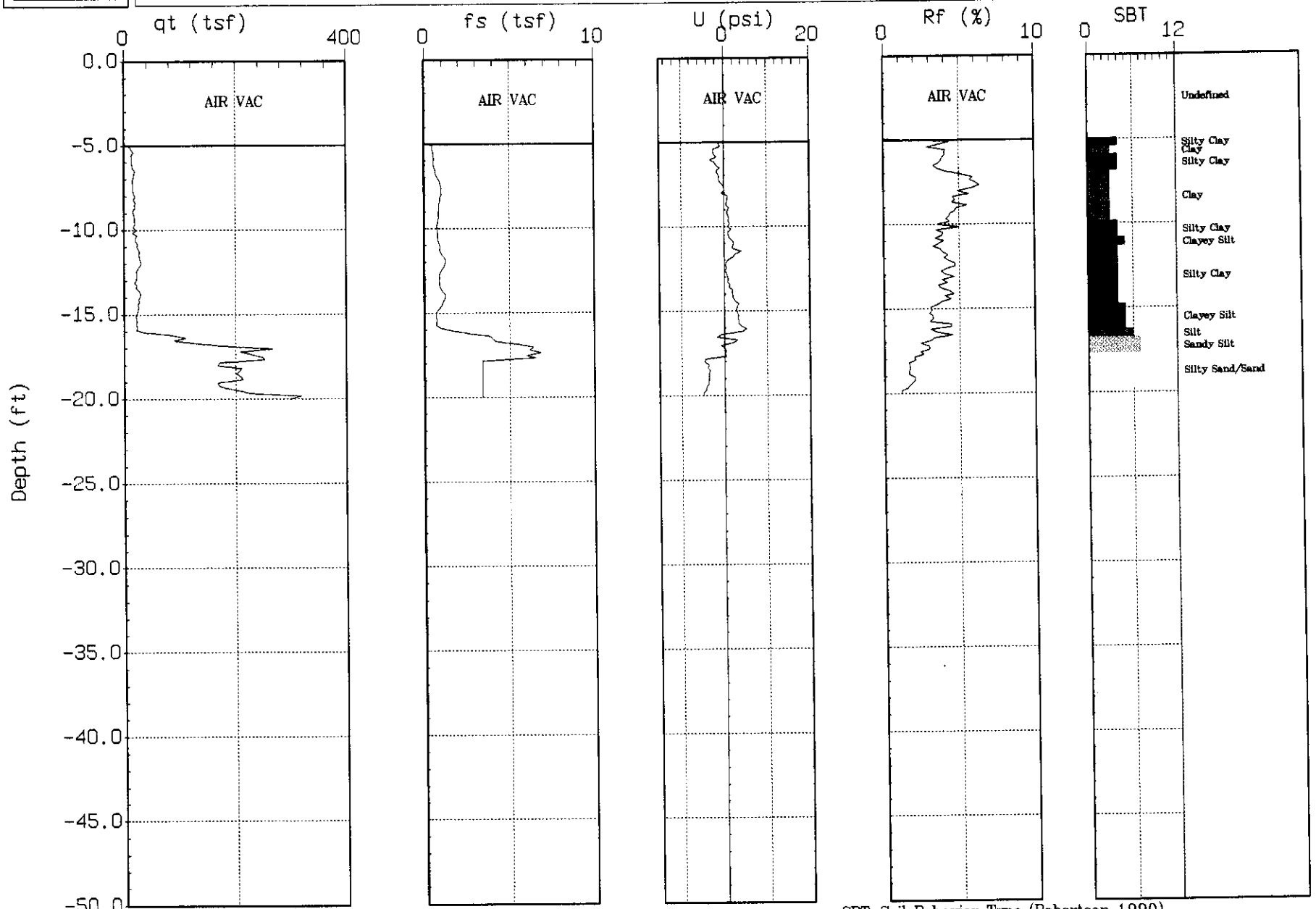
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-02

Geologist: S. LEWIS
Date: 09:24:04 10:28



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

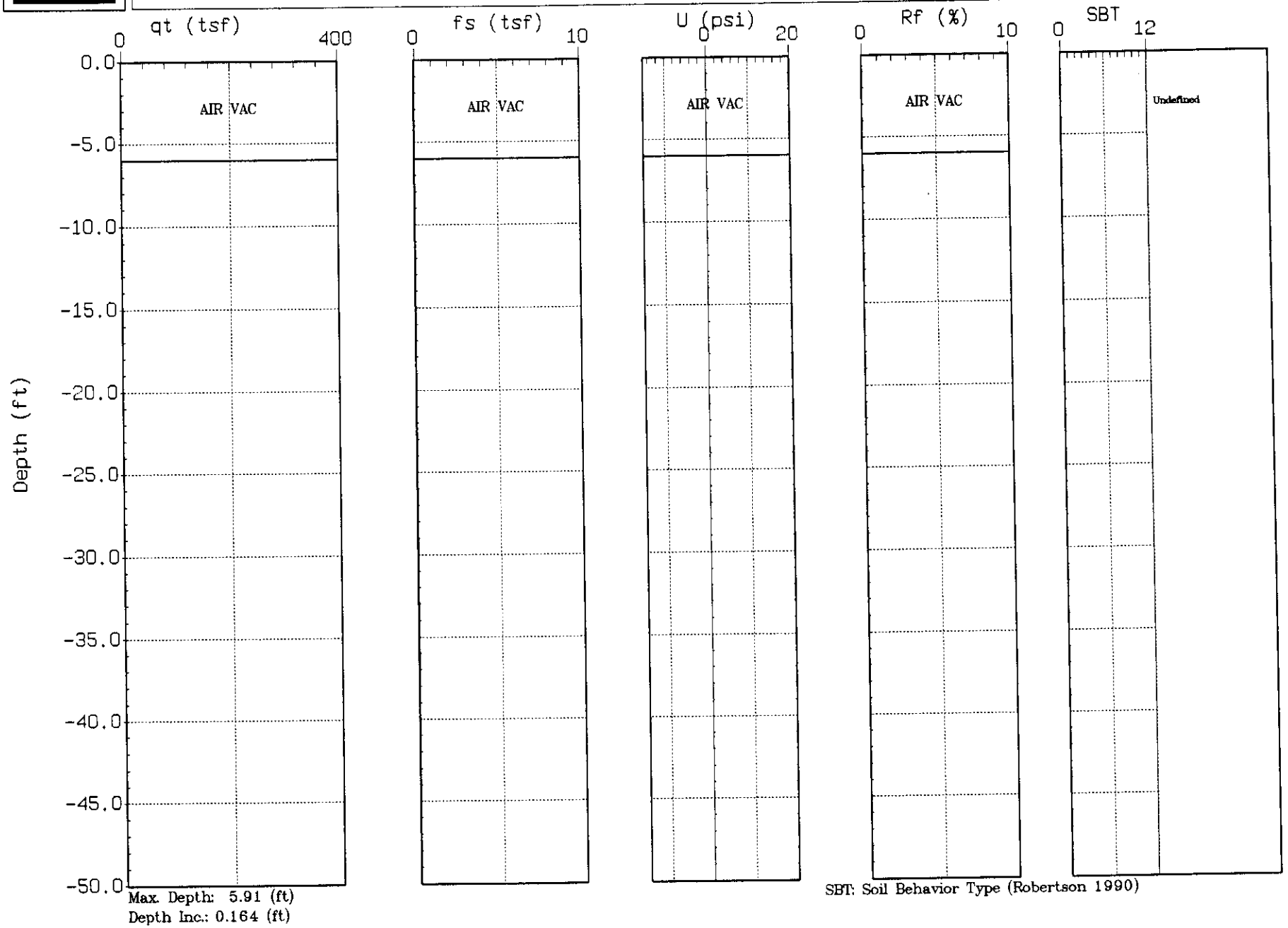
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-03

Geologist: S. LEWIS
Date: 09:24:04 13:57



Max. Depth: 5.91 (ft)
Depth Inc.: 0.164 (ft)

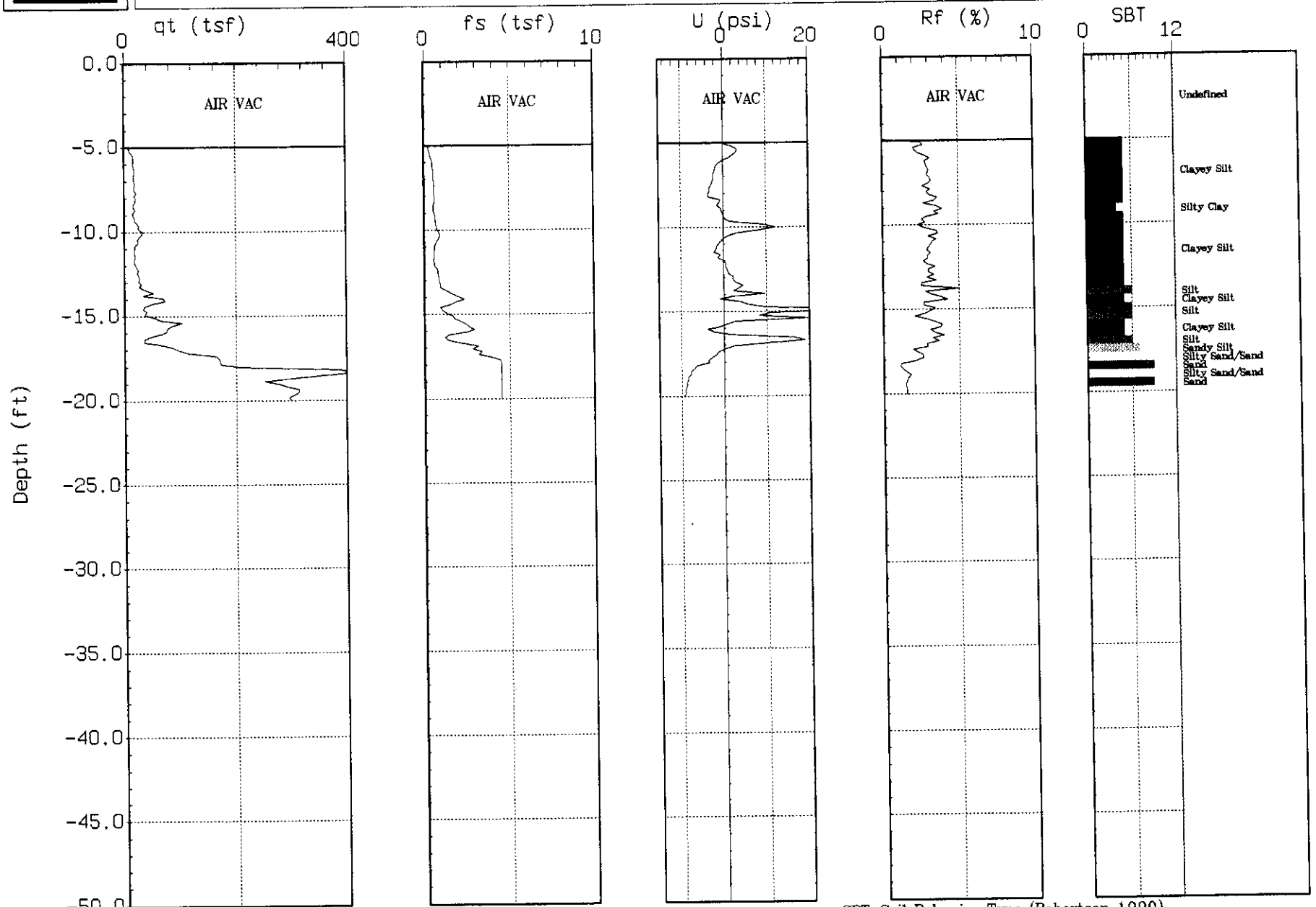
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-04

Geologist: S. LEWIS
Date: 09:24:04 08:38



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

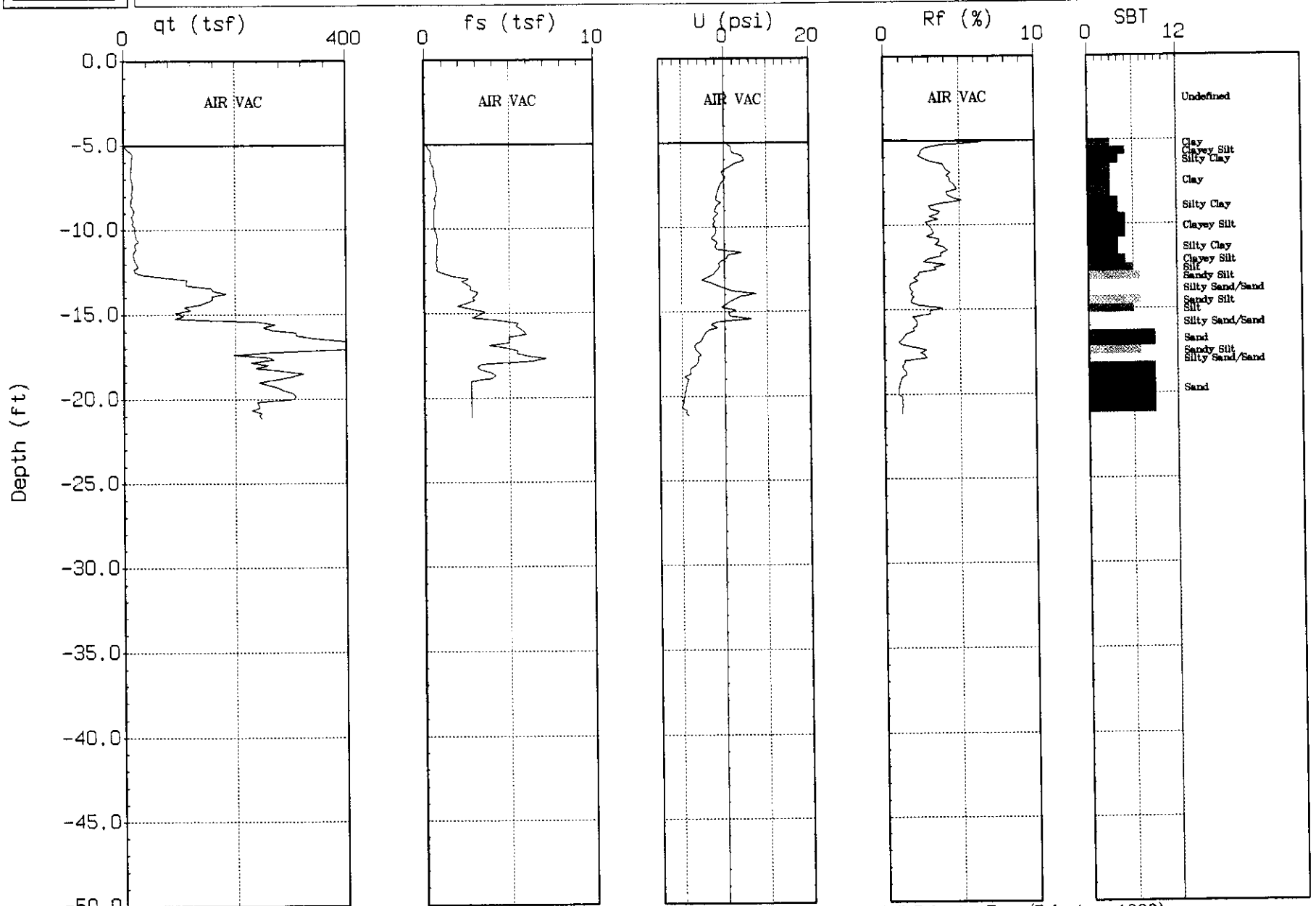
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-05

Geologist: S. LEWIS
Date: 09:24:04 09:52



Max. Depth: 21.16 (ft)
Depth Inc.: 0.164 (ft)

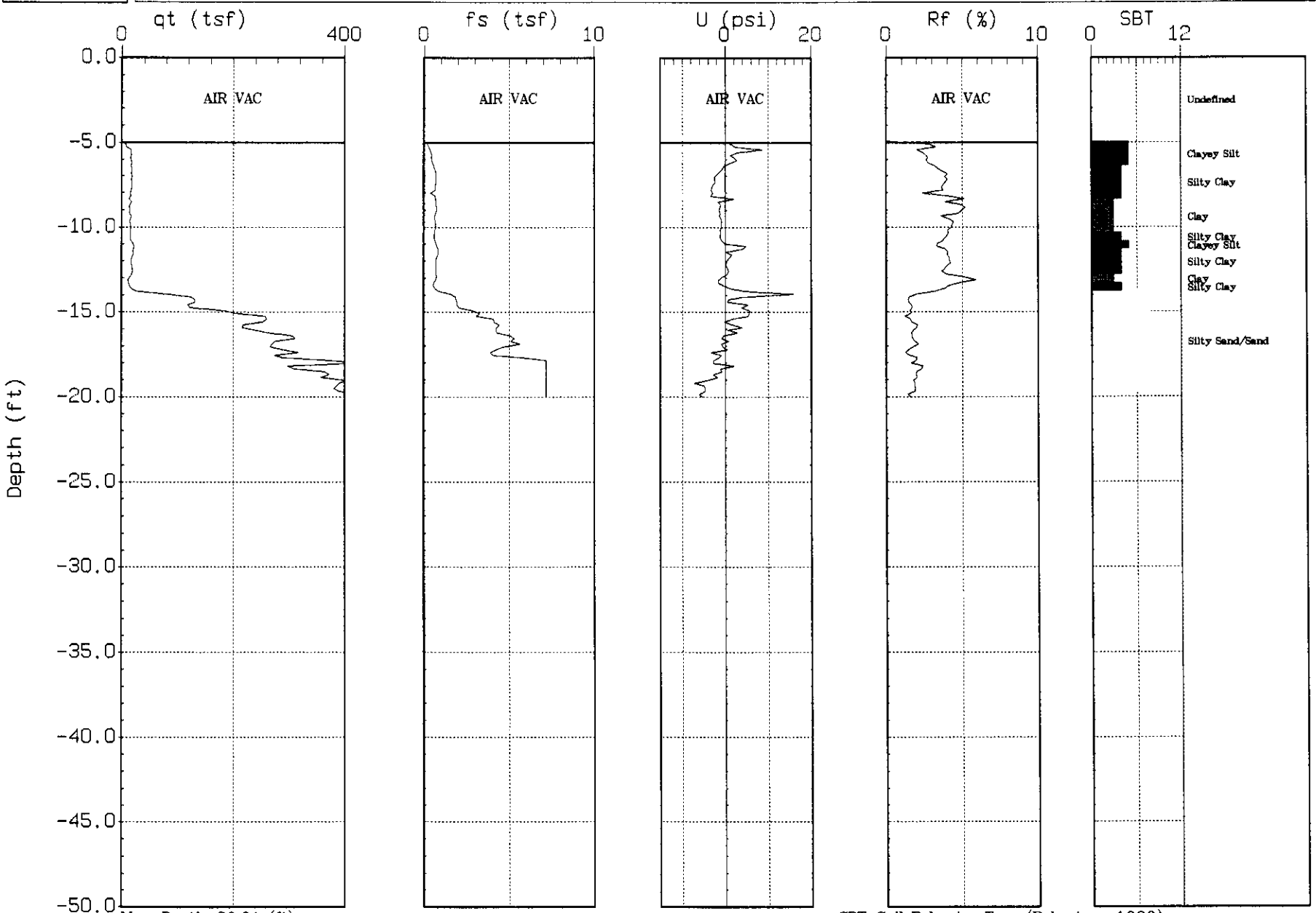
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-06

Geologist: S. LEWIS
Date: 09:24:04 11:49



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

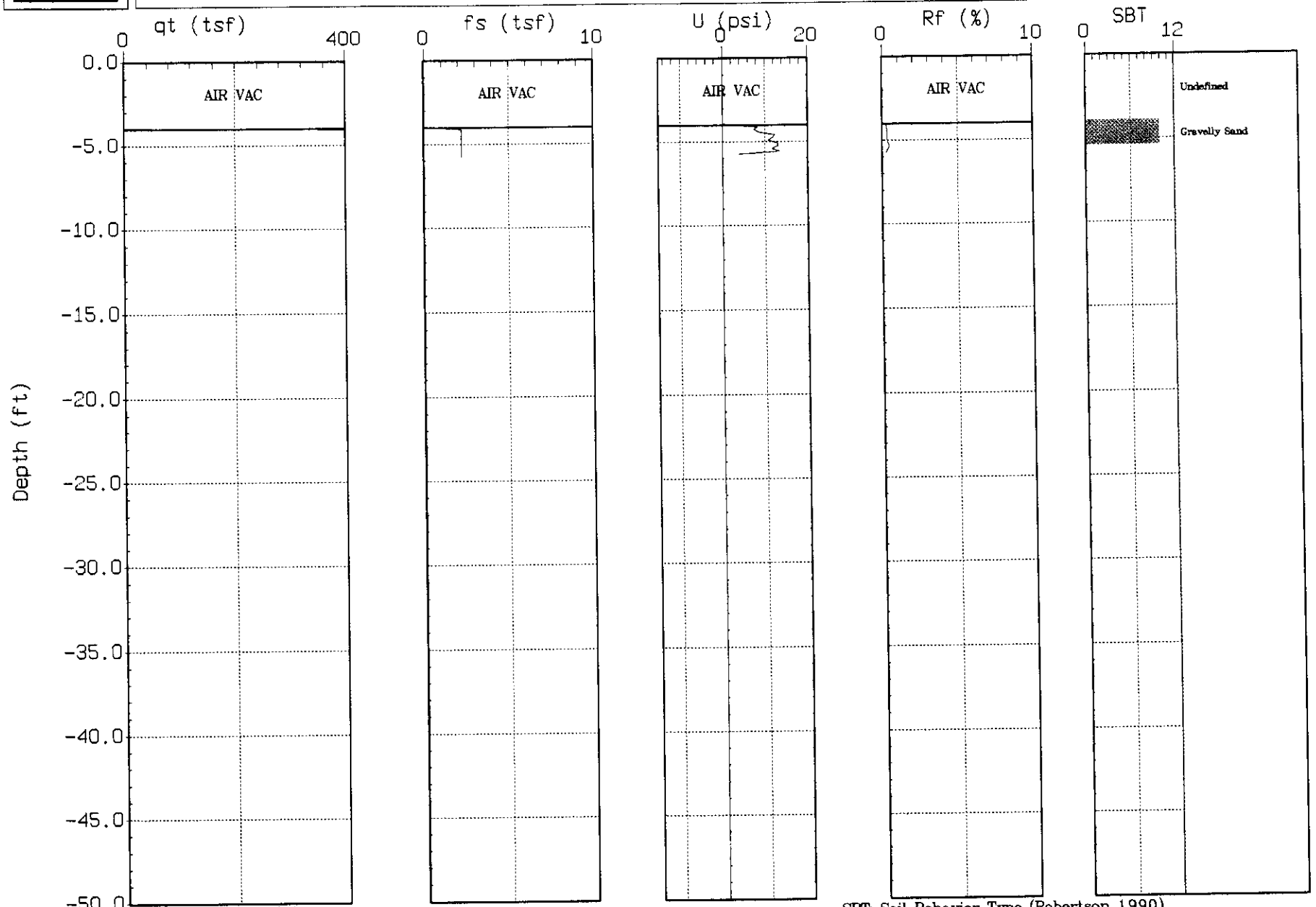
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-07

Geologist: S. LEWIS
Date: 09:24:04 14:16



Max. Depth: 5.74 (ft)
Depth Inc.: 0.164 (ft)

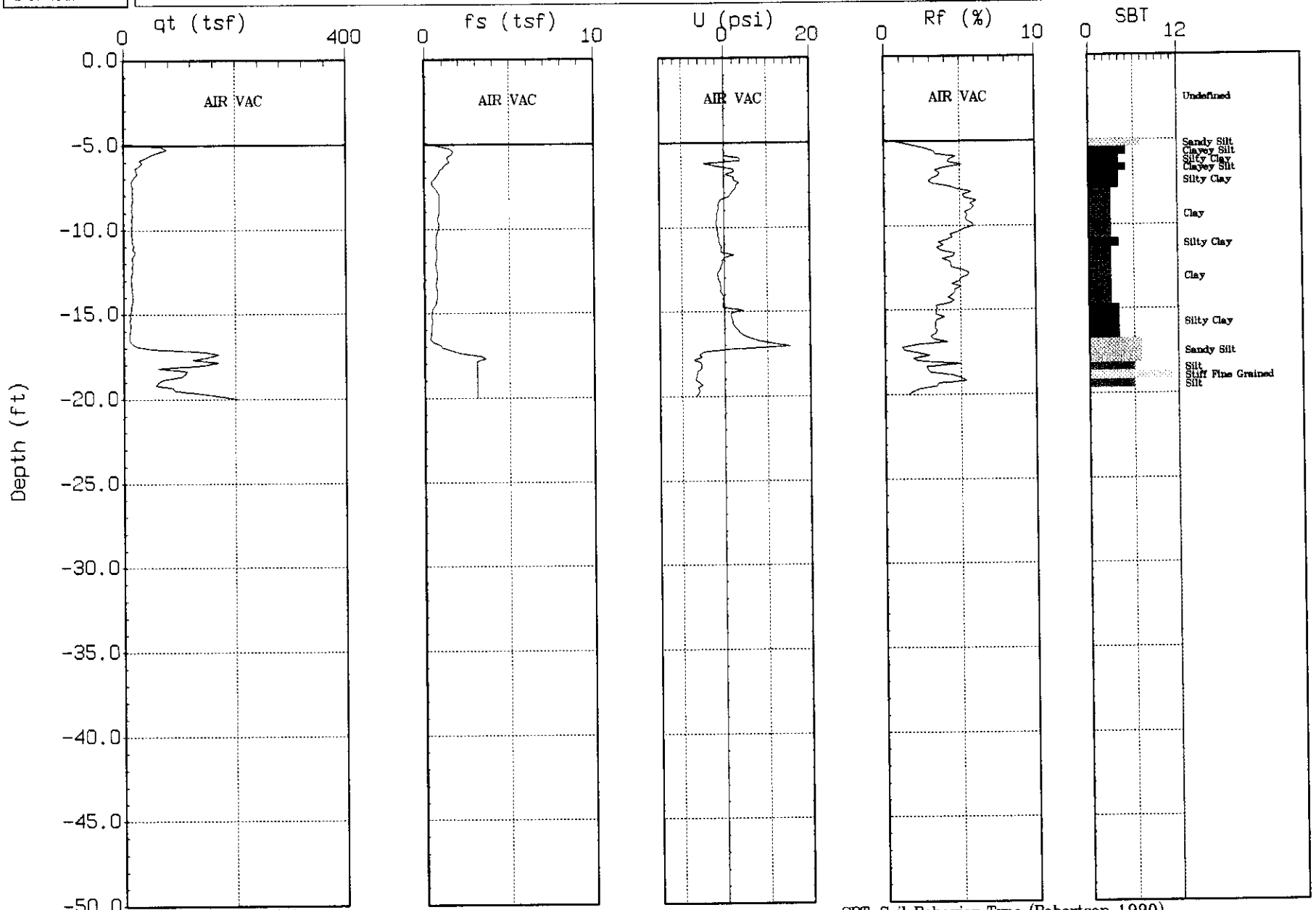
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-08

Geologist: S. LEWIS
Date: 09:24:04 14:39



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

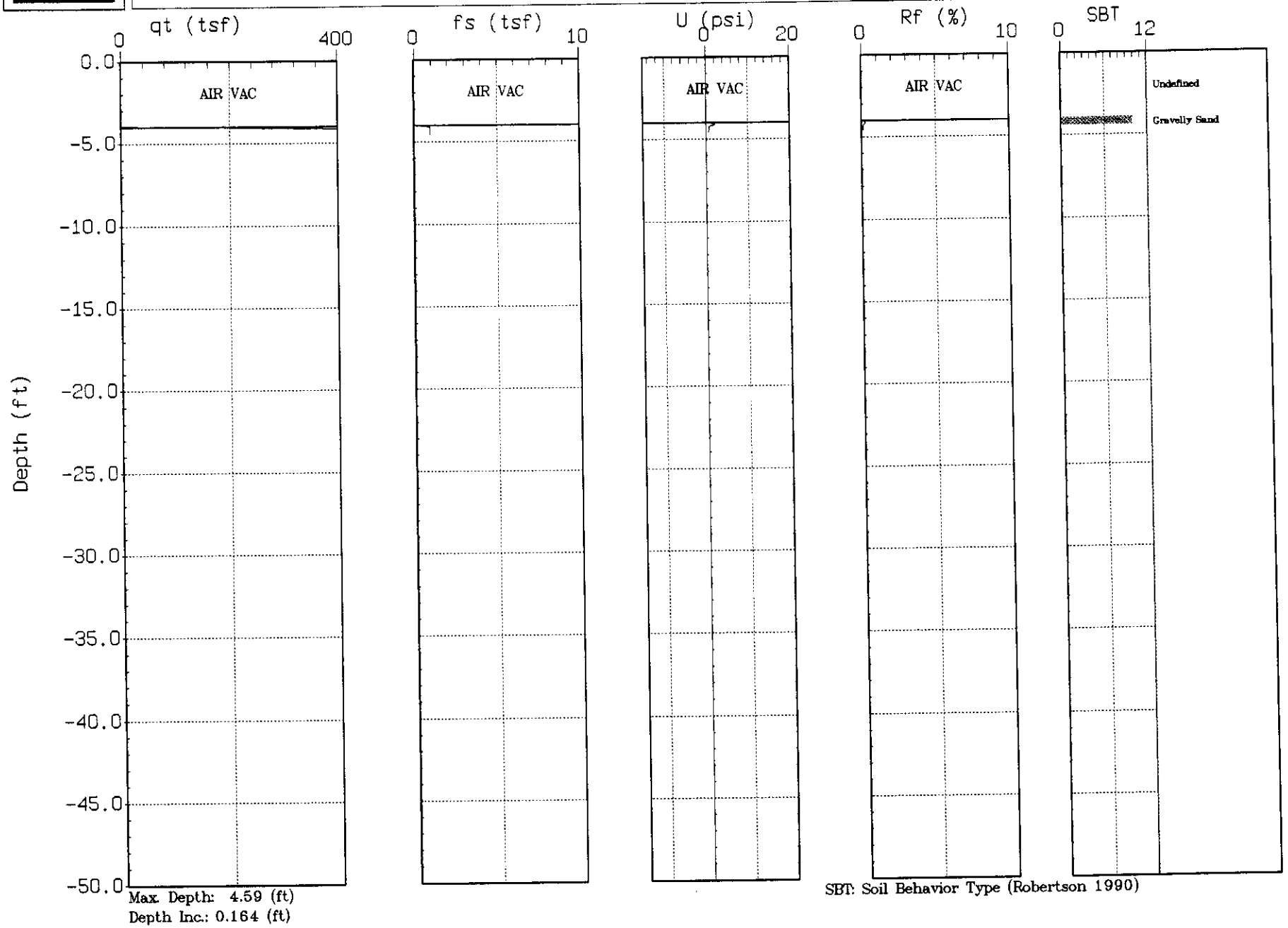
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-09

Geologist: S. LEWIS
Date: 09:24:04 13:34

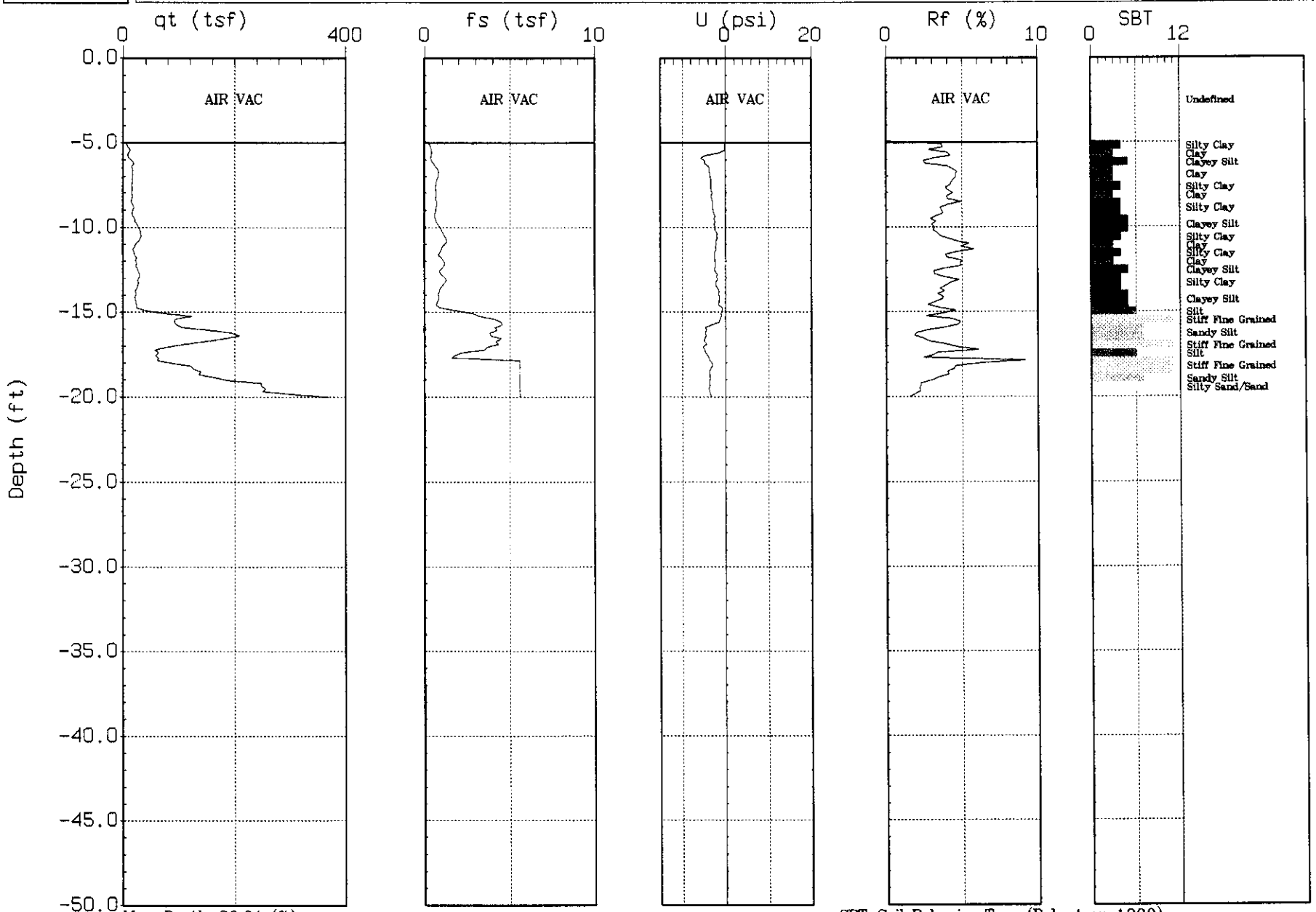


GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-10

Geologist: S. LEWIS
Date: 09:24:04 09:14



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

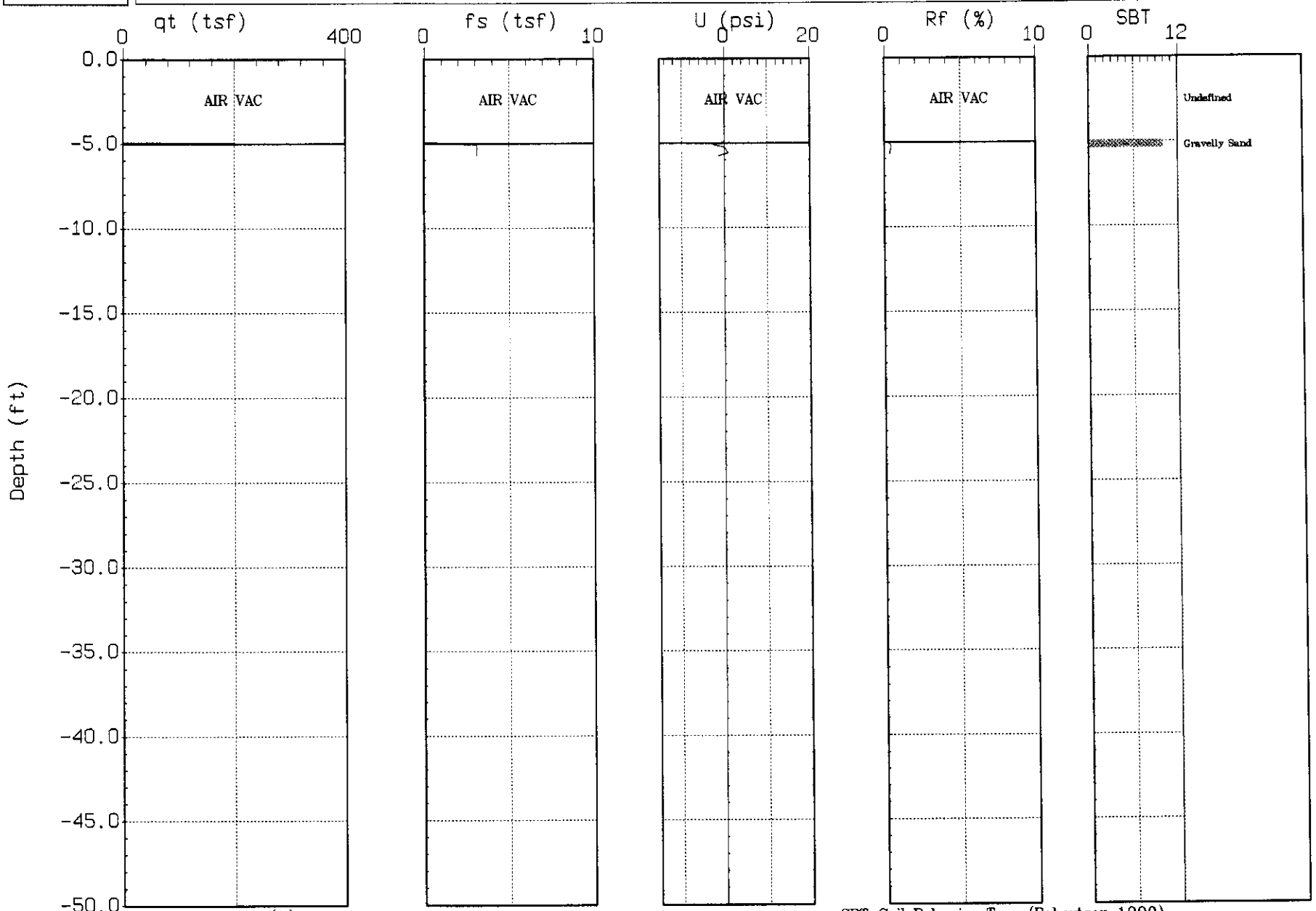
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-11

Geologist: S. LEWIS
Date: 09:24:04 13:15



Max. Depth: 5.74 (ft)
Depth Inc.: 0.164 (ft)

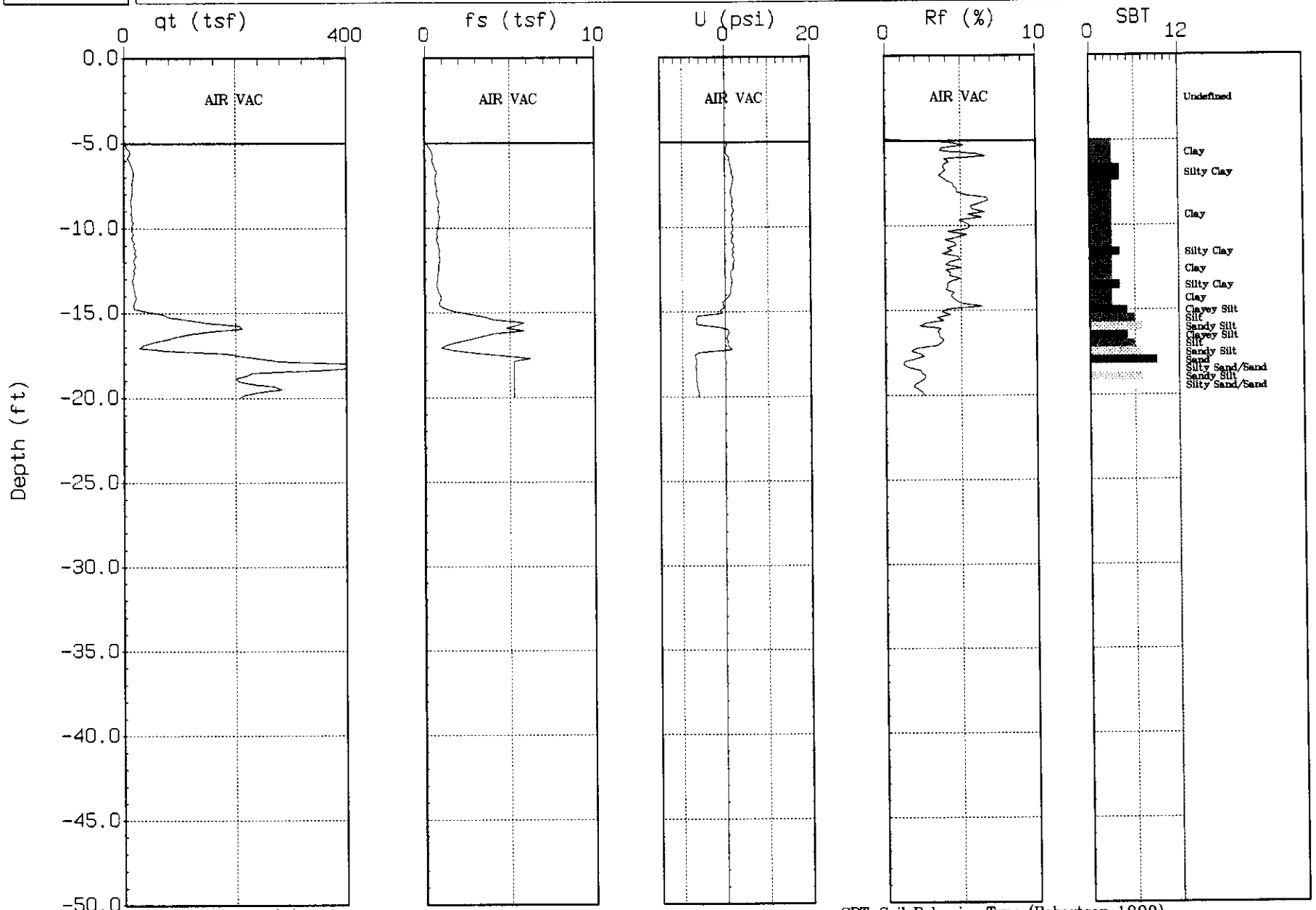
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-12

Geologist: S. LEWIS
Date: 09:24:04 12:40



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

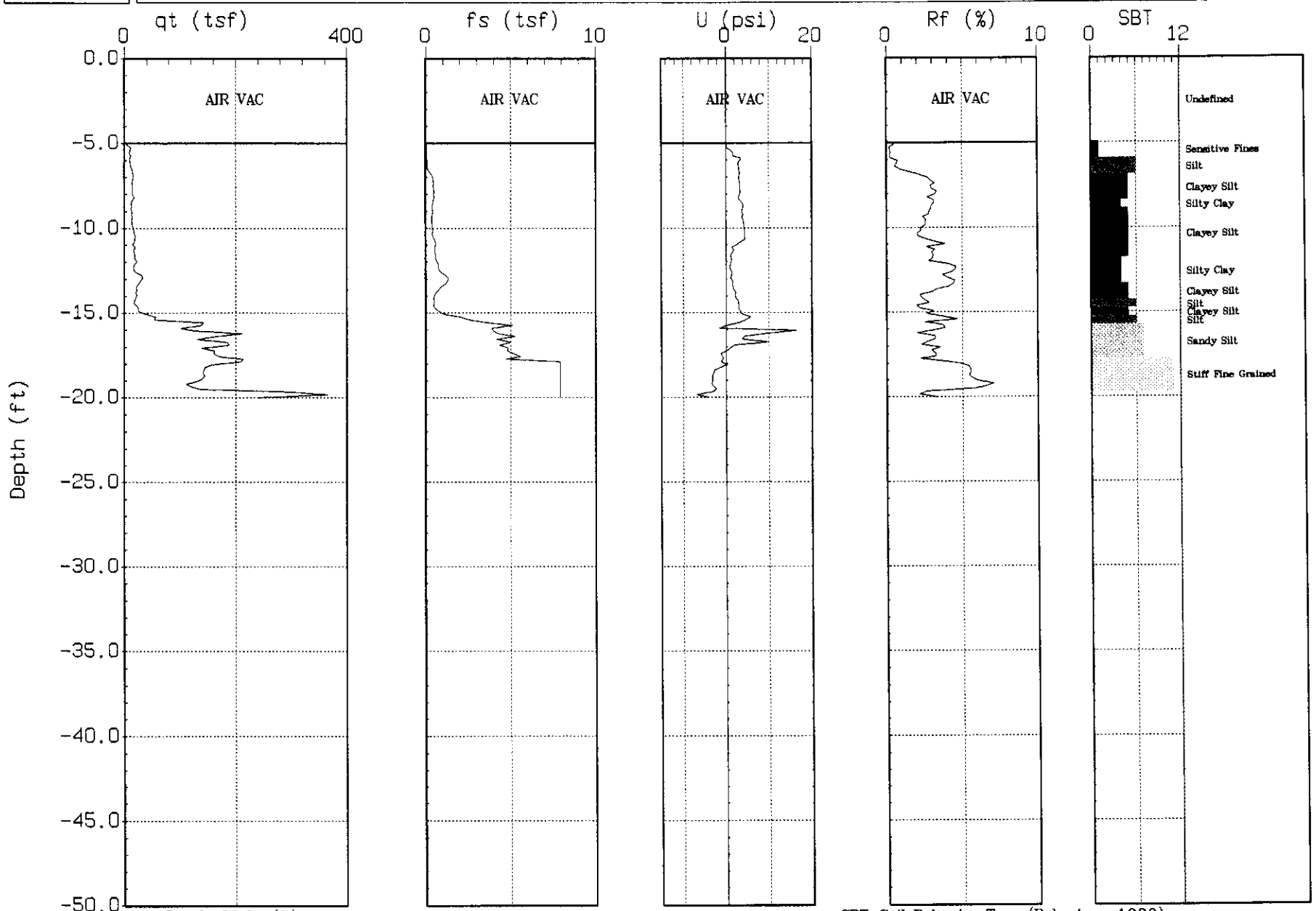
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-13

Geologist: S. LEWIS
Date: 09:24:04 11:21



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

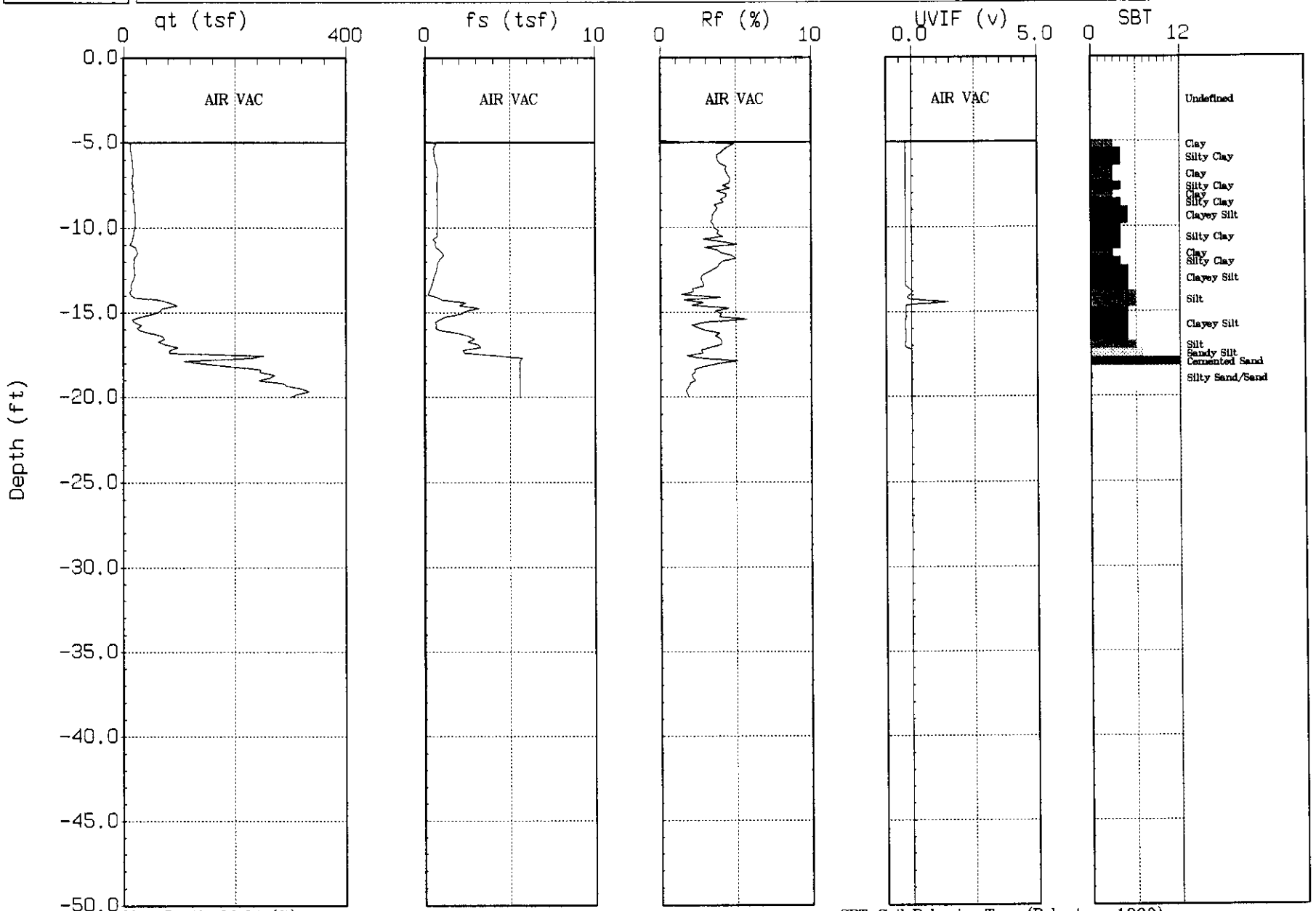
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-01

Geologist: S. LEWIS
Date: 09:24:04 10:52



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

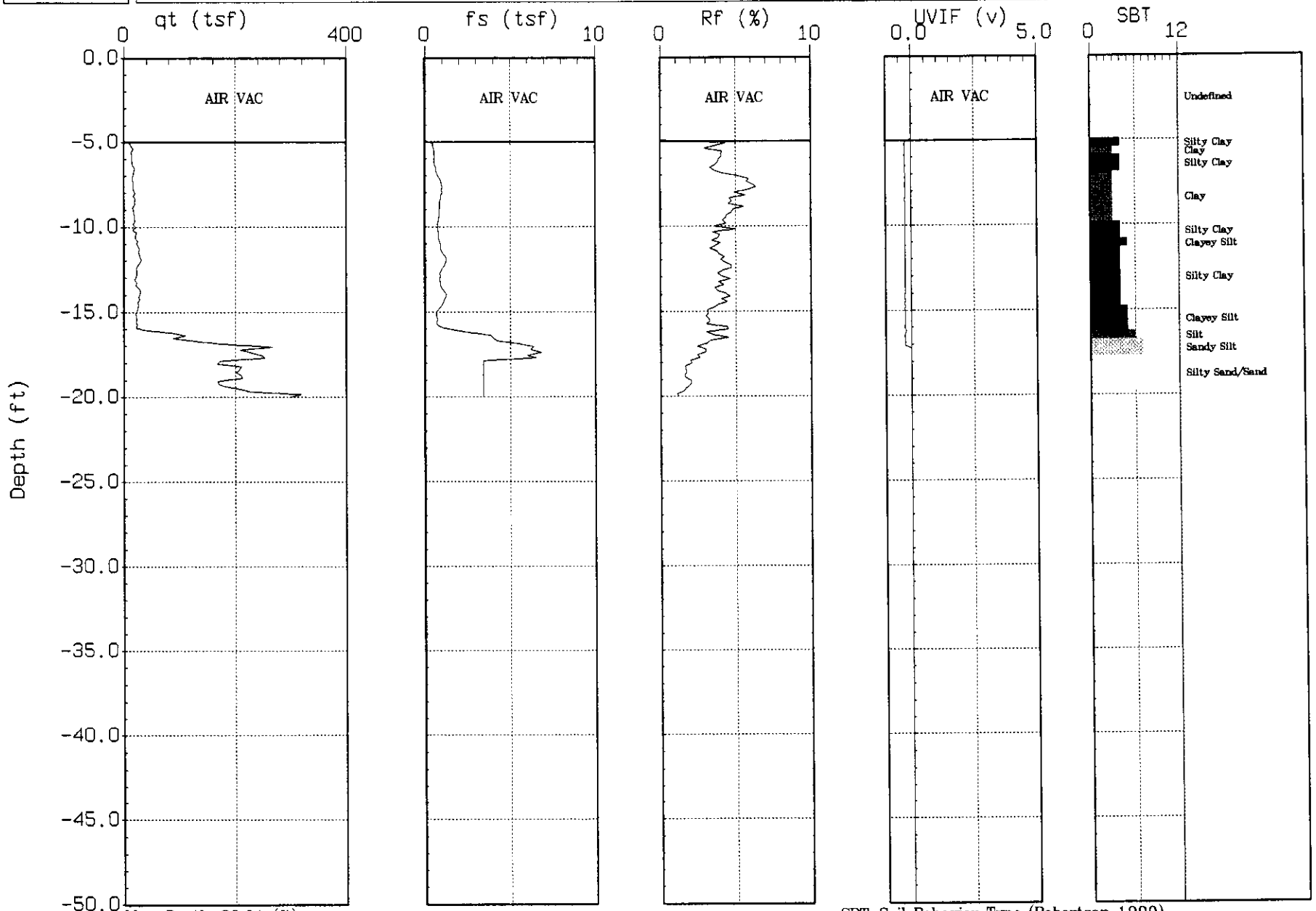
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-02

Geologist: S. LEWIS
Date: 09:24:04 10:28



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

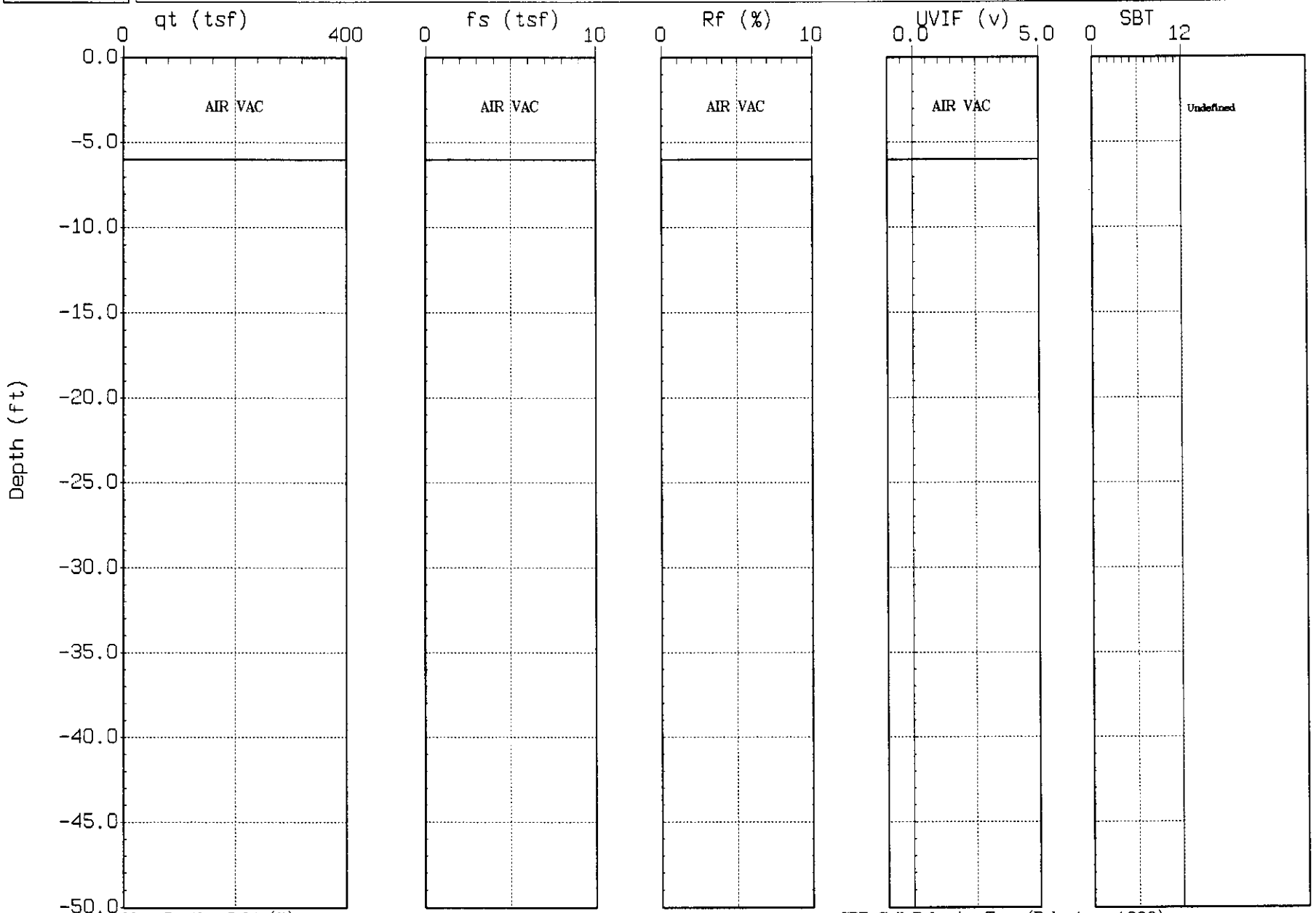
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-03

Geologist: S. LEWIS
Date: 09:24:04 13:57



Max. Depth: 5.91 (ft)
Depth Inc.: 0.164 (ft)

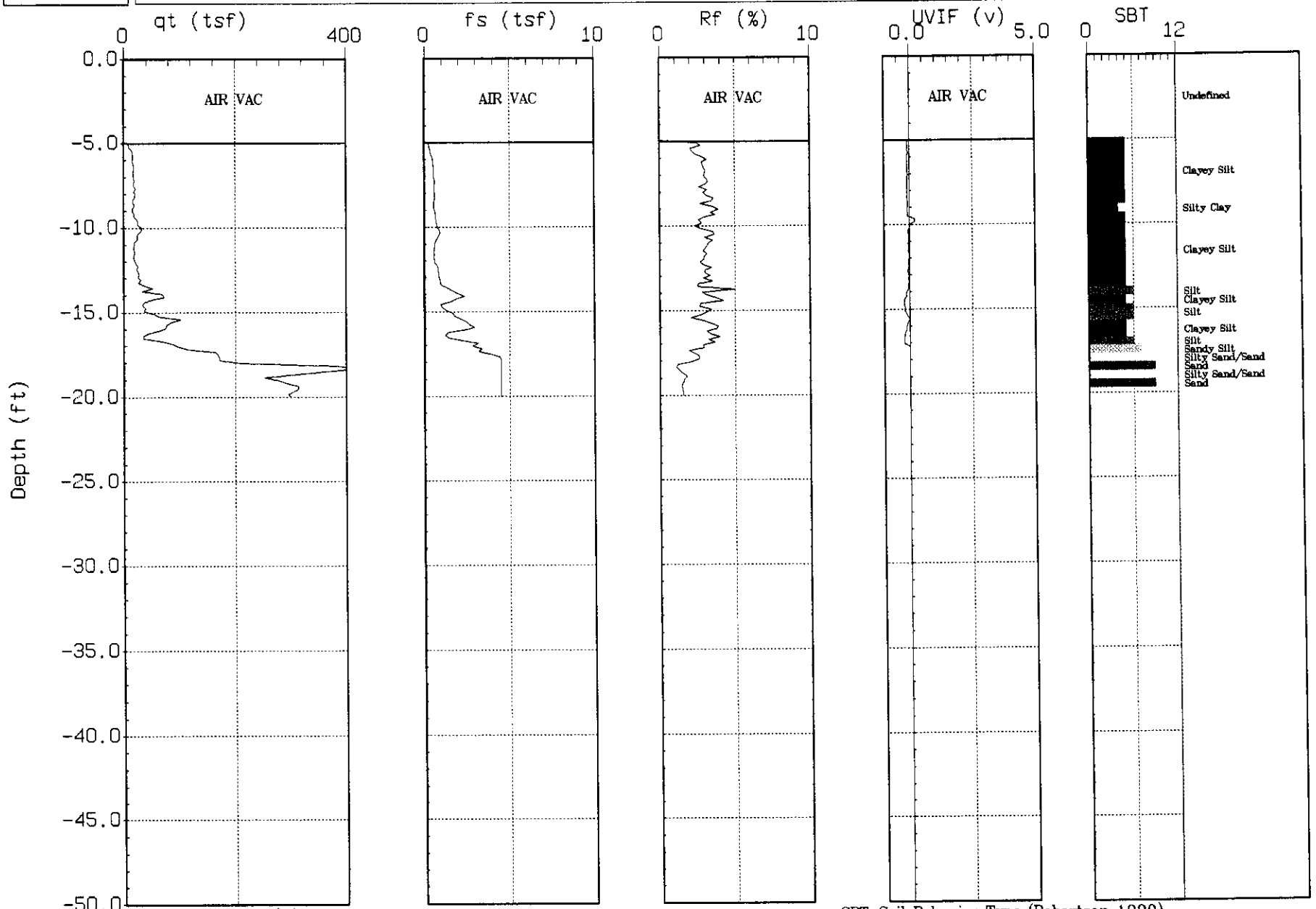
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-04

Geologist: S. LEWIS
Date: 09:24:04 08:38



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

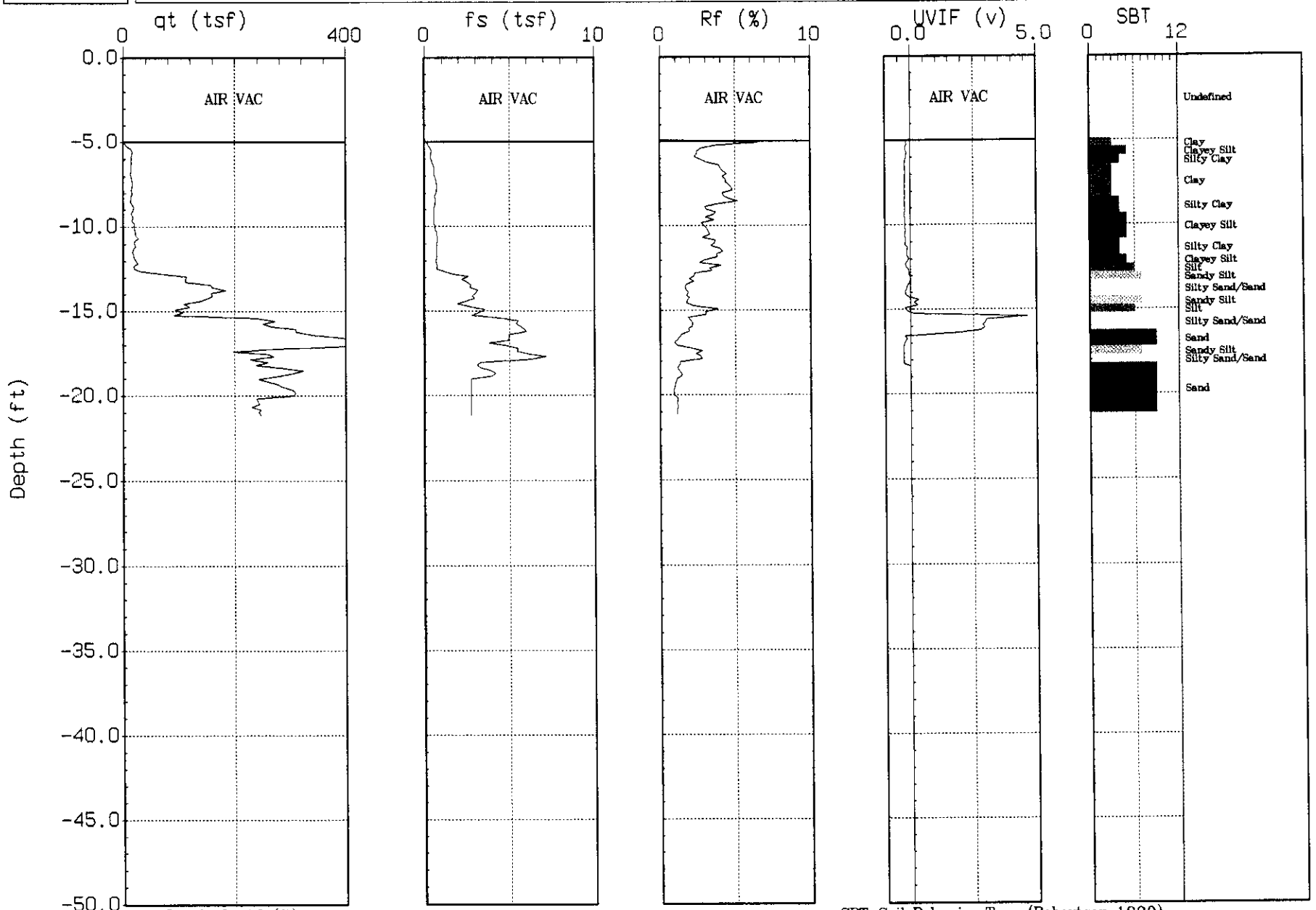
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-05

Geologist: S. LEWIS
Date: 09:24:04 09:52



Max. Depth: 21.16 (ft)
Depth Inc.: 0.164 (ft)

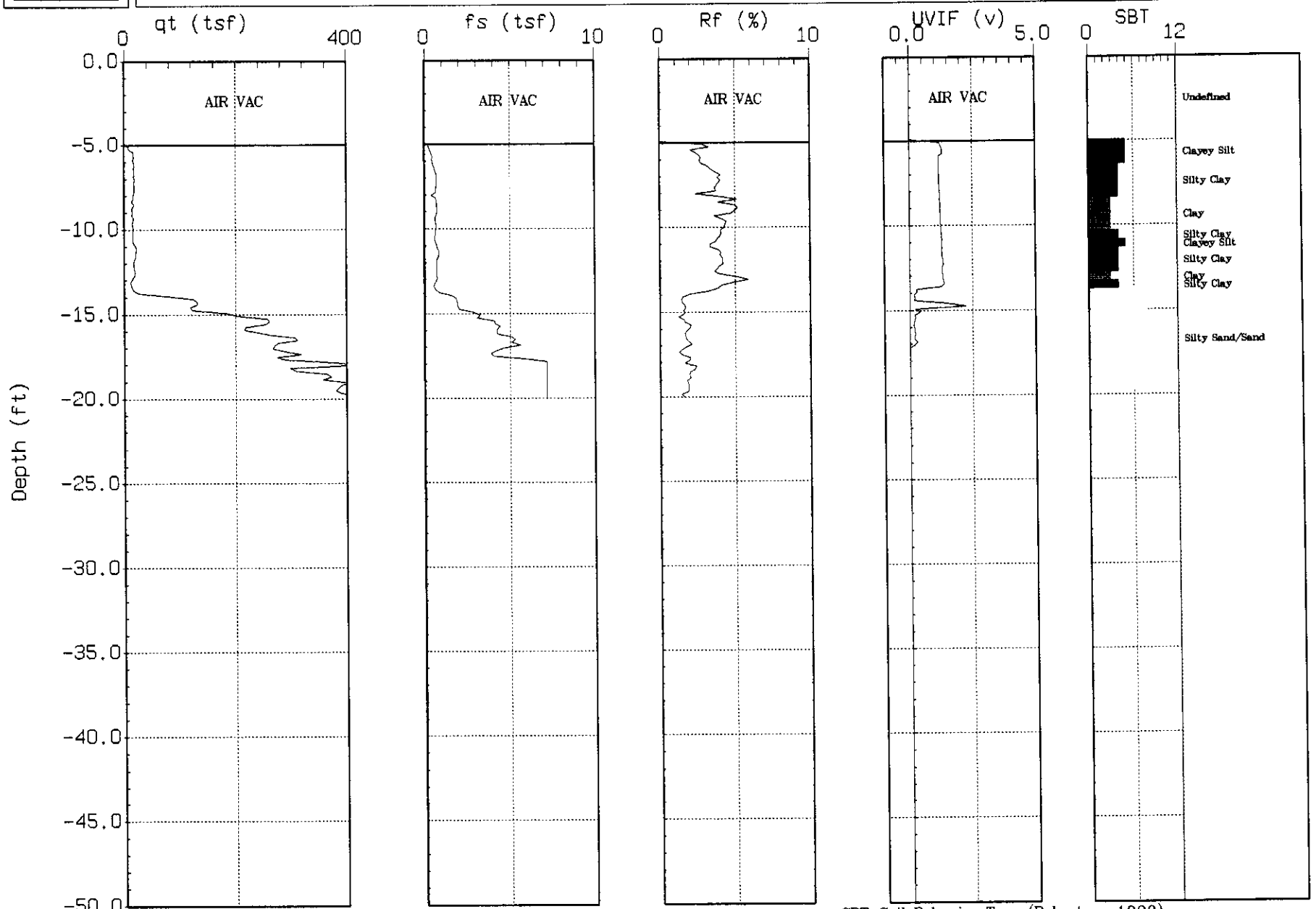
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-06

Geologist: S. LEWIS
Date: 09:24:04 11:49



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

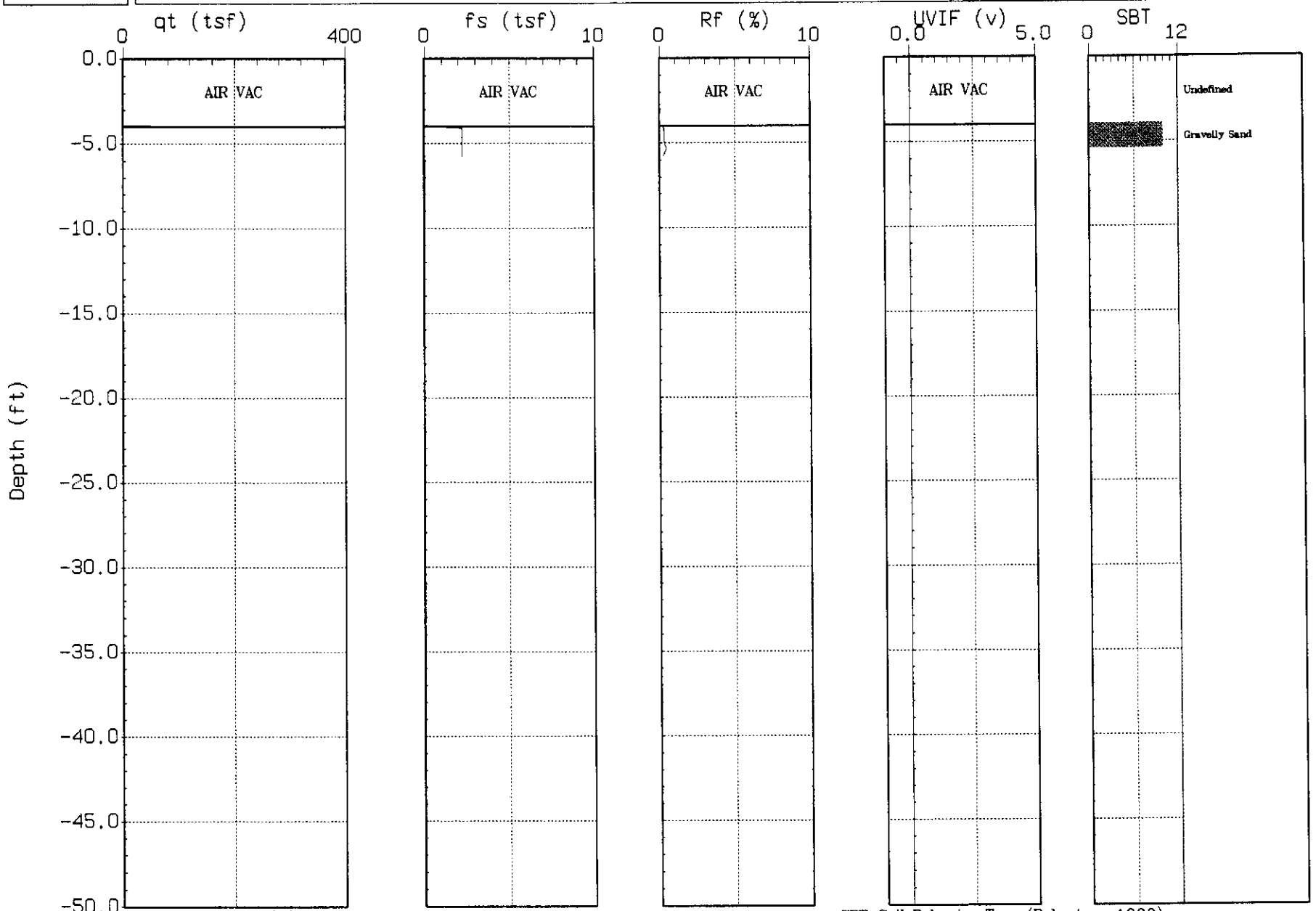
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-07

Geologist: S. LEWIS
Date: 09:24:04 14:16



Max. Depth: 5.74 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
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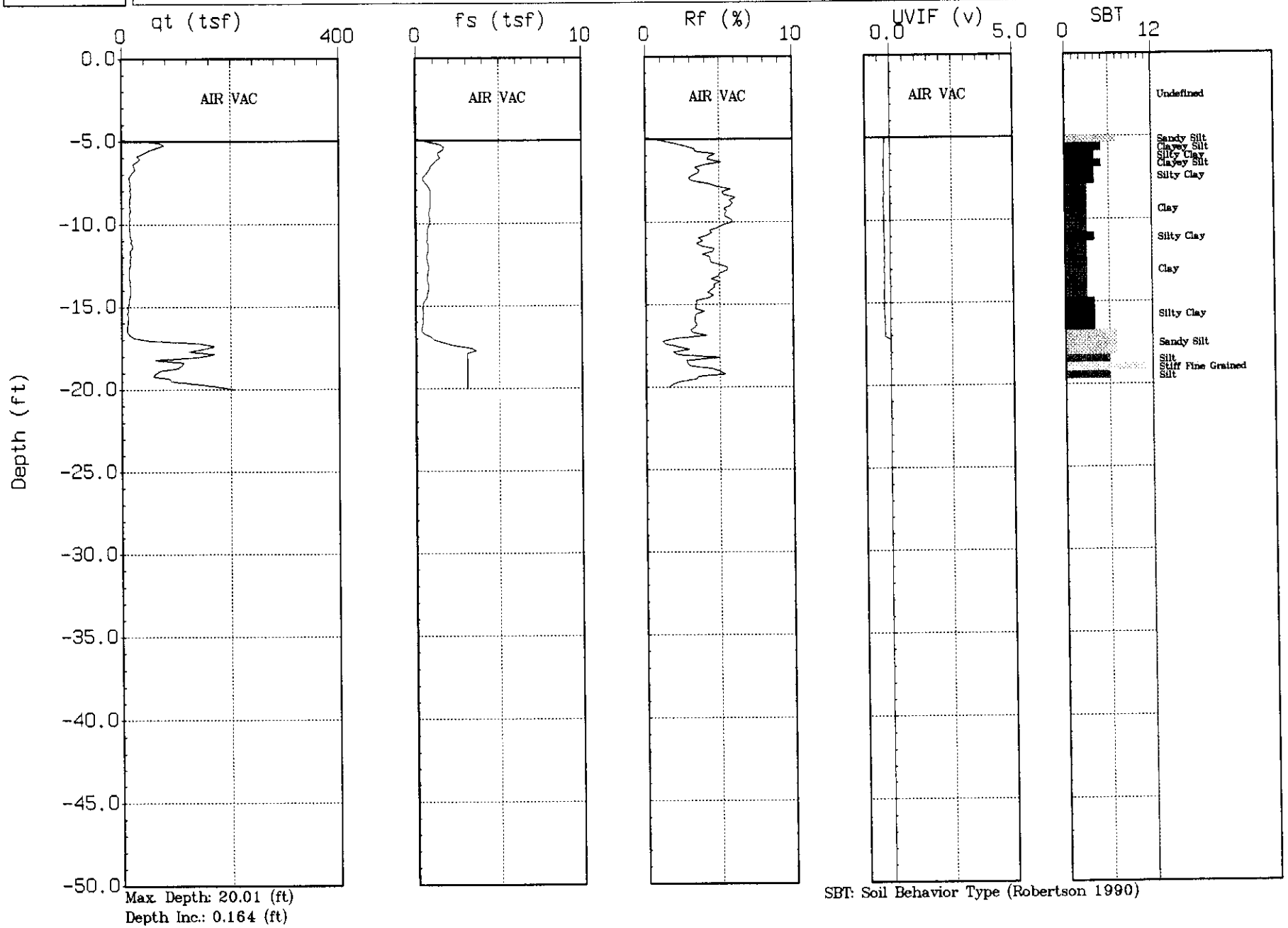
Geologist: S. LEWIS
Date: 09:24:04 14:39



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

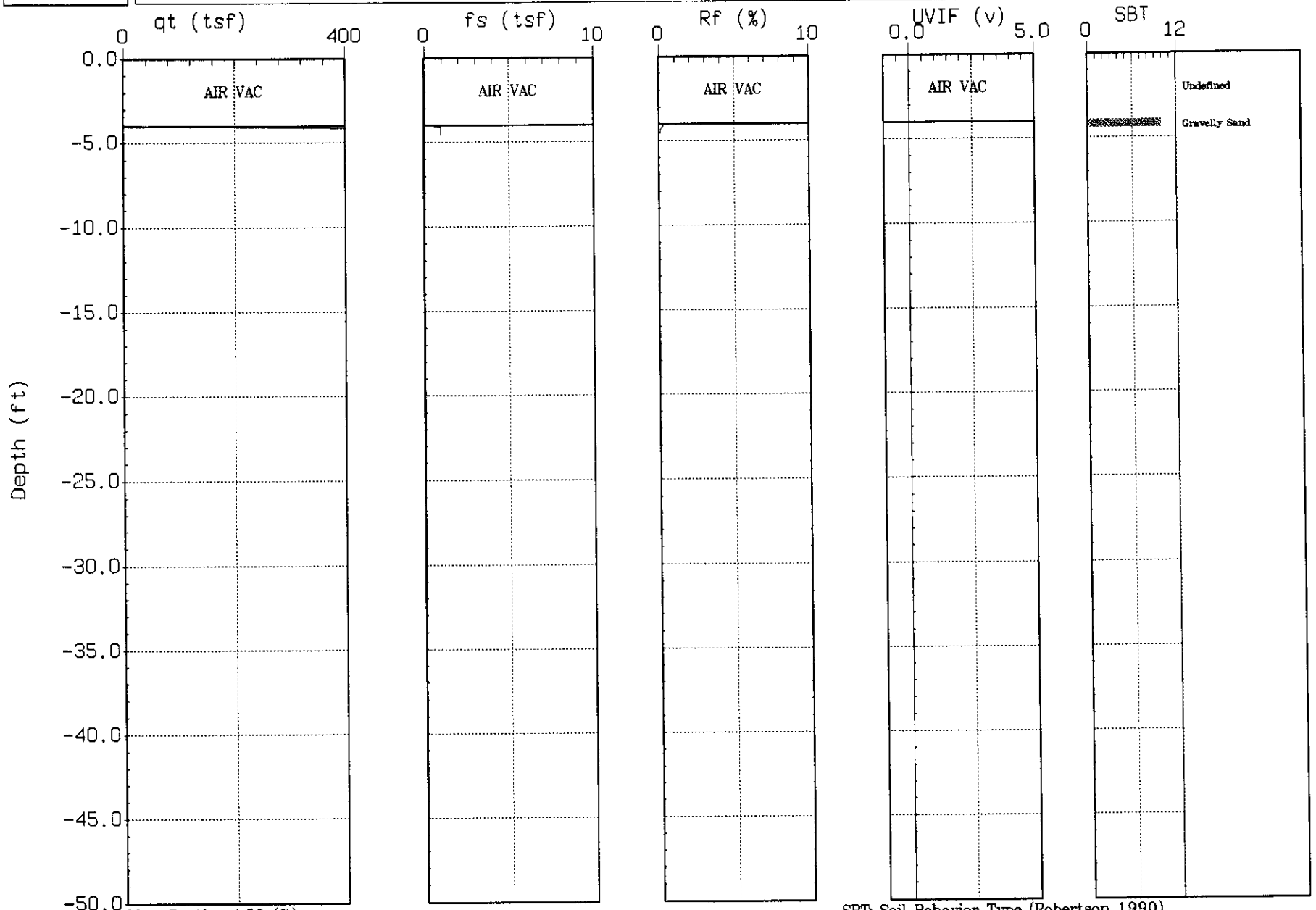
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-09

Geologist: S. LEWIS
Date: 09:24:04 13:34



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Depth Inc.: 0.164 (ft)

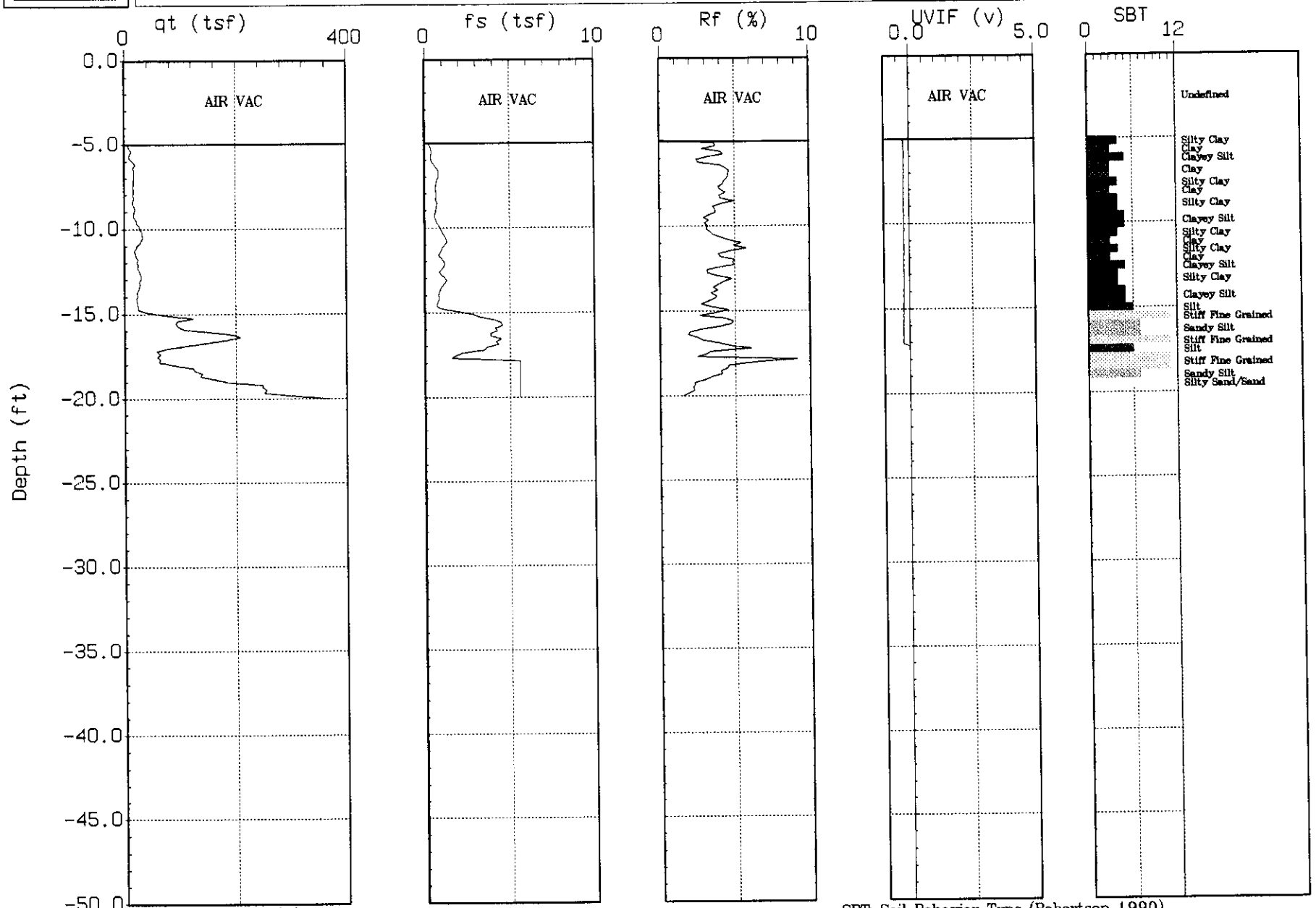
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-10

Geologist: S. LEWIS
Date: 09:24:04 09:14



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

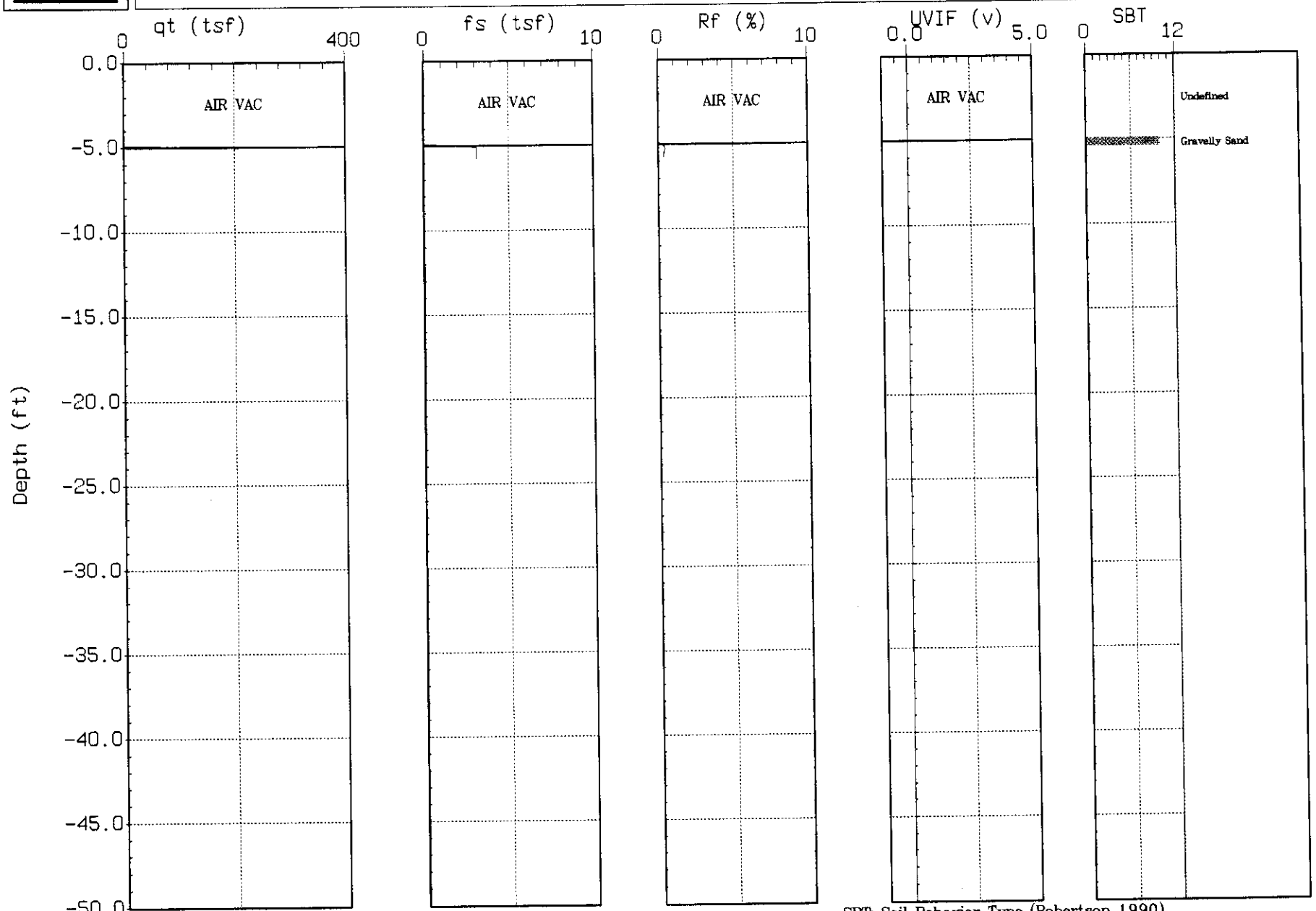
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-11

Geologist: S. LEWIS
Date: 09:24:04 13:15



Max. Depth: 5.74 (ft)
Depth Inc.: 0.164 (ft)

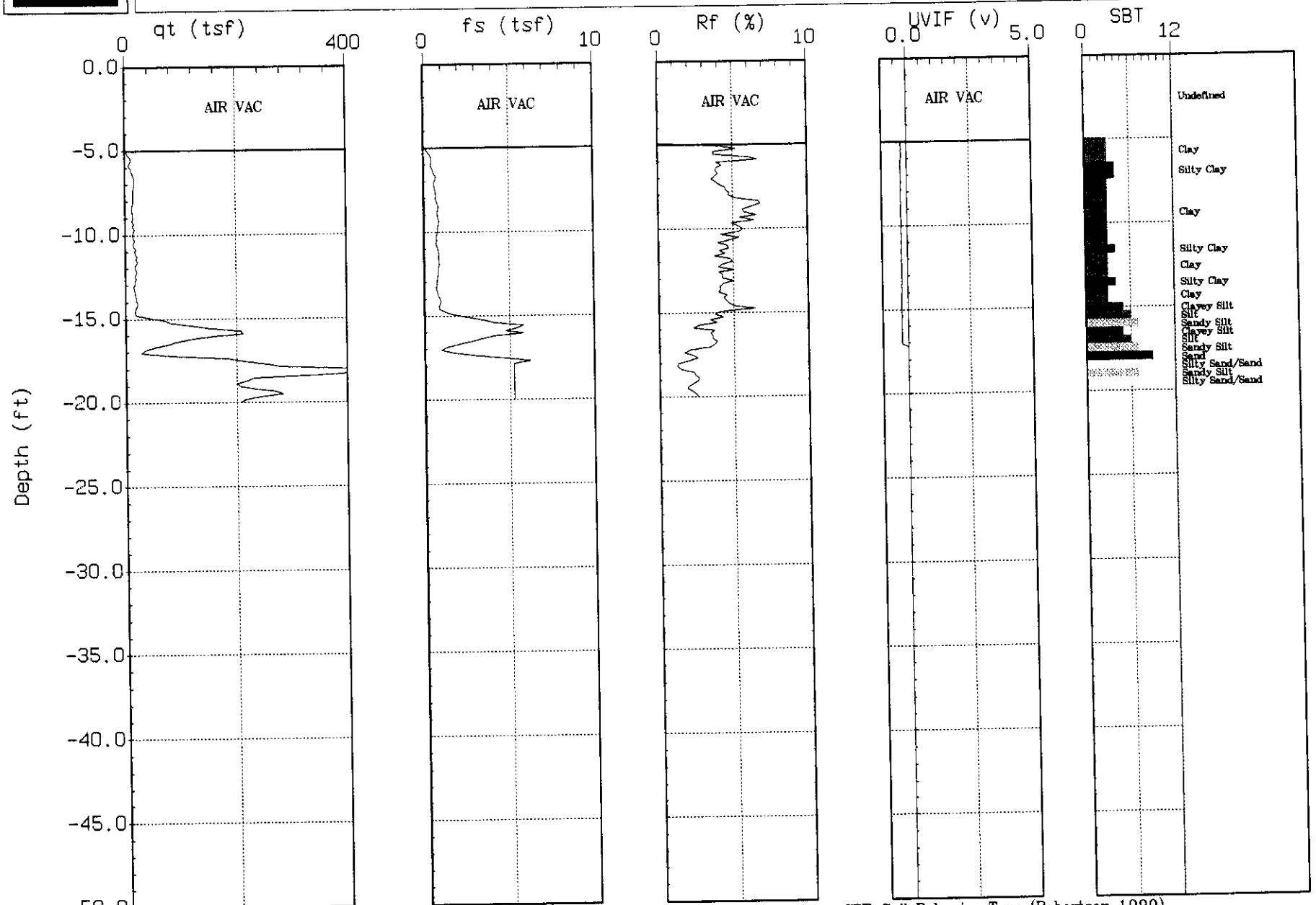
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-12

Geologist: S. LEWIS
Date: 09:24:04 12:40



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

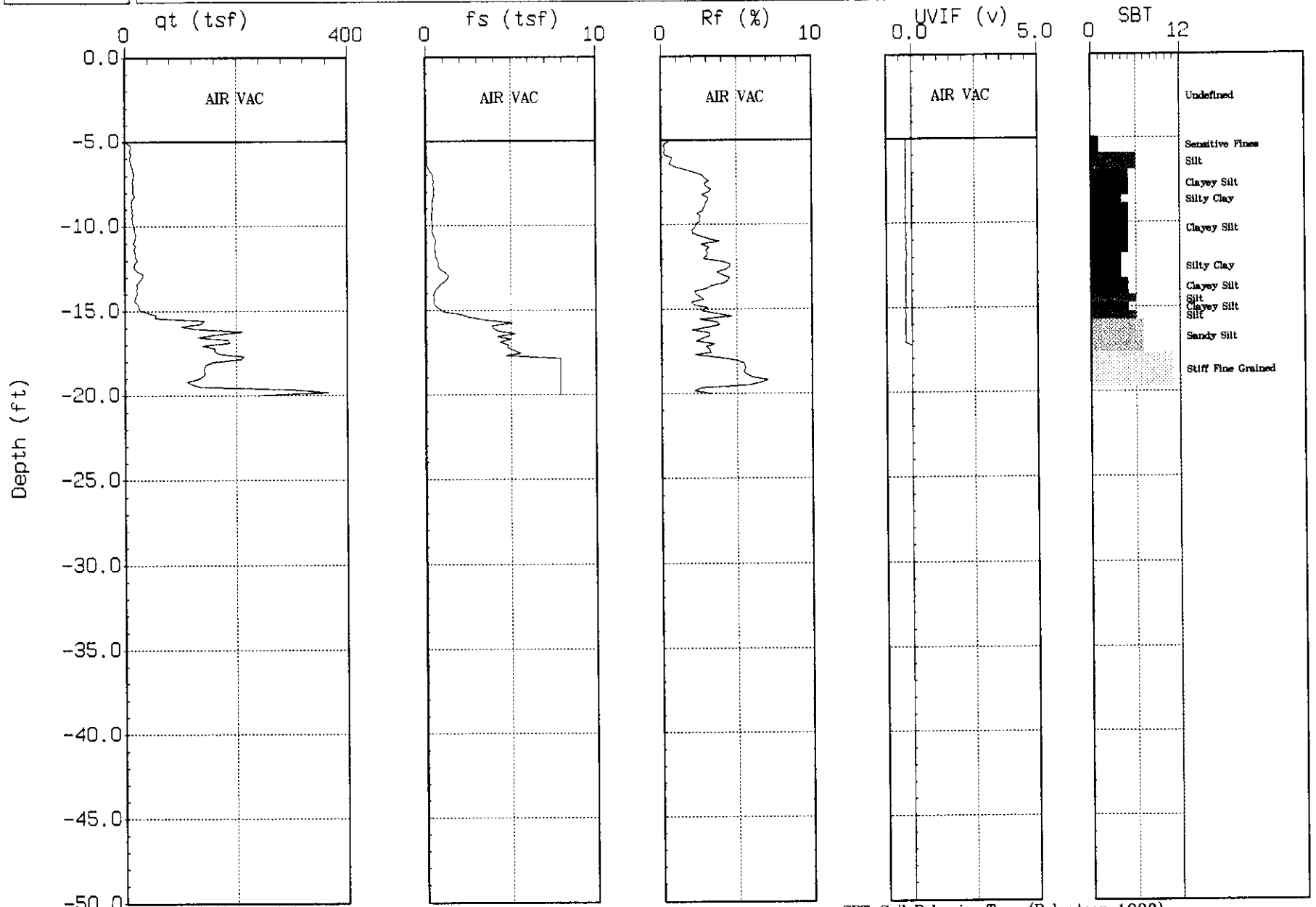
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-13

Geologist: S. LEWIS
Date: 09:24:04 11:21



Max. Depth: 20.01 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX PPDT

Pore Pressure Dissipation Tests (PPDT)

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.

Pore pressure dissipation data can be interpreted to provide estimates of:

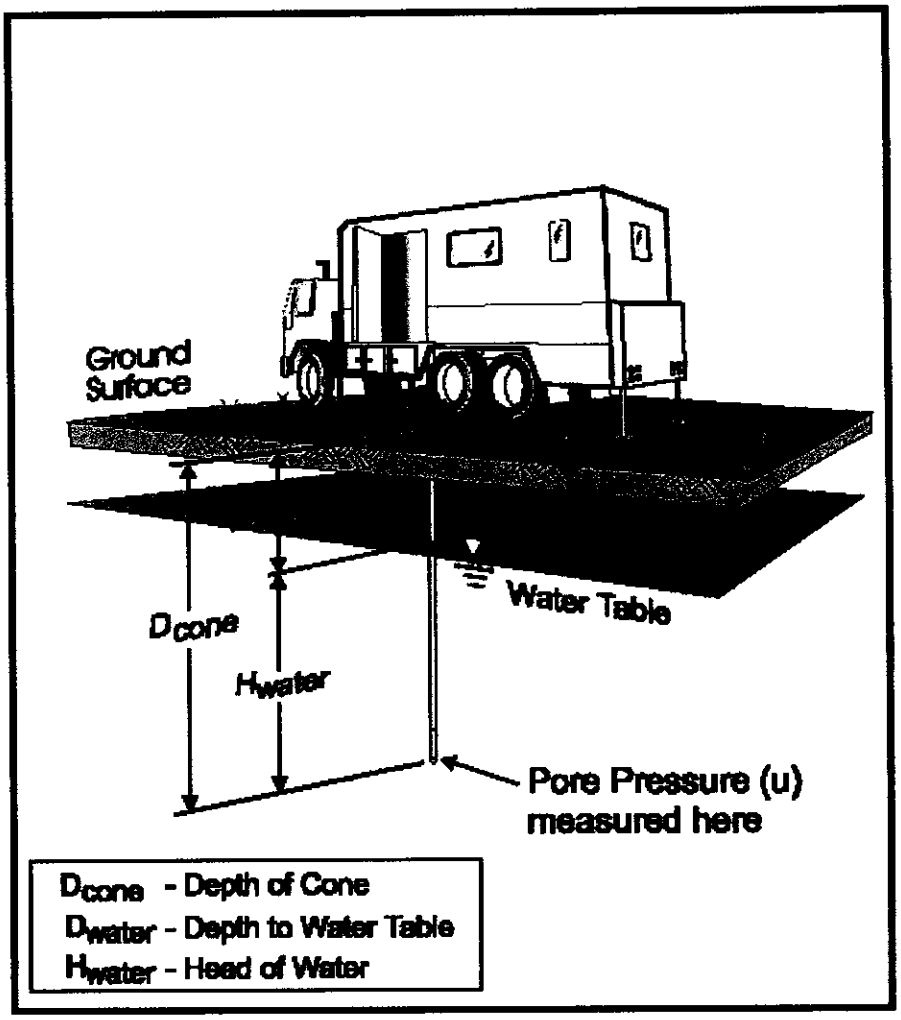
- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permability (k_h)

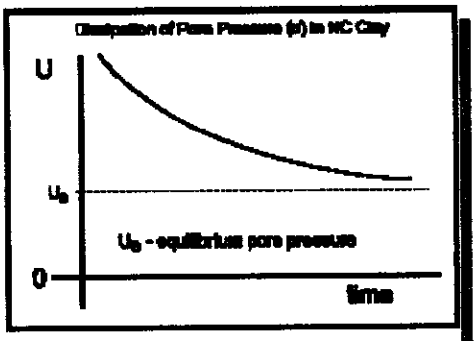
In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time (refer to Figure PPD). This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

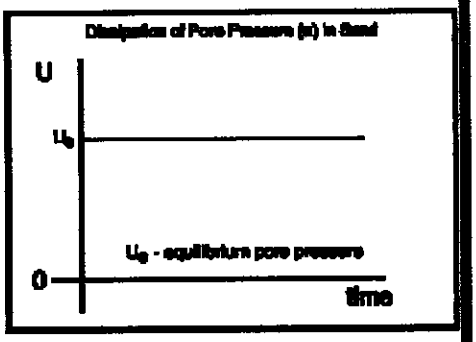
Interpretation of either c_h and k_h from dissipation results can be most easily achieved using either of two analytical approaches: cavity-expansion theory or the strain-path approach. Comparisons of the available solutions and results from field studies suggest that the cavity-expansion method of Torstensson (1977) and the strain-path approaches of Levadous (1980) and Teh (1987) all provide similar predications of consolidation parameters from CPTU dissipation data (Gillespie 1981; Kabir and Lutenegger 1990; Robertson et al. (1991). Robertson et al. (1991) have shown that these methods, although developed for normally consolidated soils, can be equally applied to overconsolidated soils. Furthermore, comparisons of field and laboratory data indicate that the trends in the measured (laboratory) and predicated (CPTU) data are consistent provided the micro fabric and nature of the soils being tested are taken into consideration. (Danziger 1990; Robertson et al. 1991).

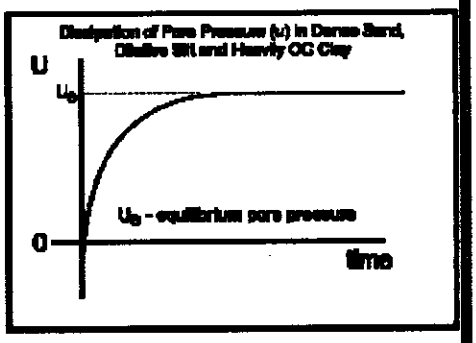
A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1991.

A summary of the pore pressure dissipation tests is summarized in Table 1.
Pore pressure dissipation data is presented in graphical form in Appendix PPDT.









Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors:

1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

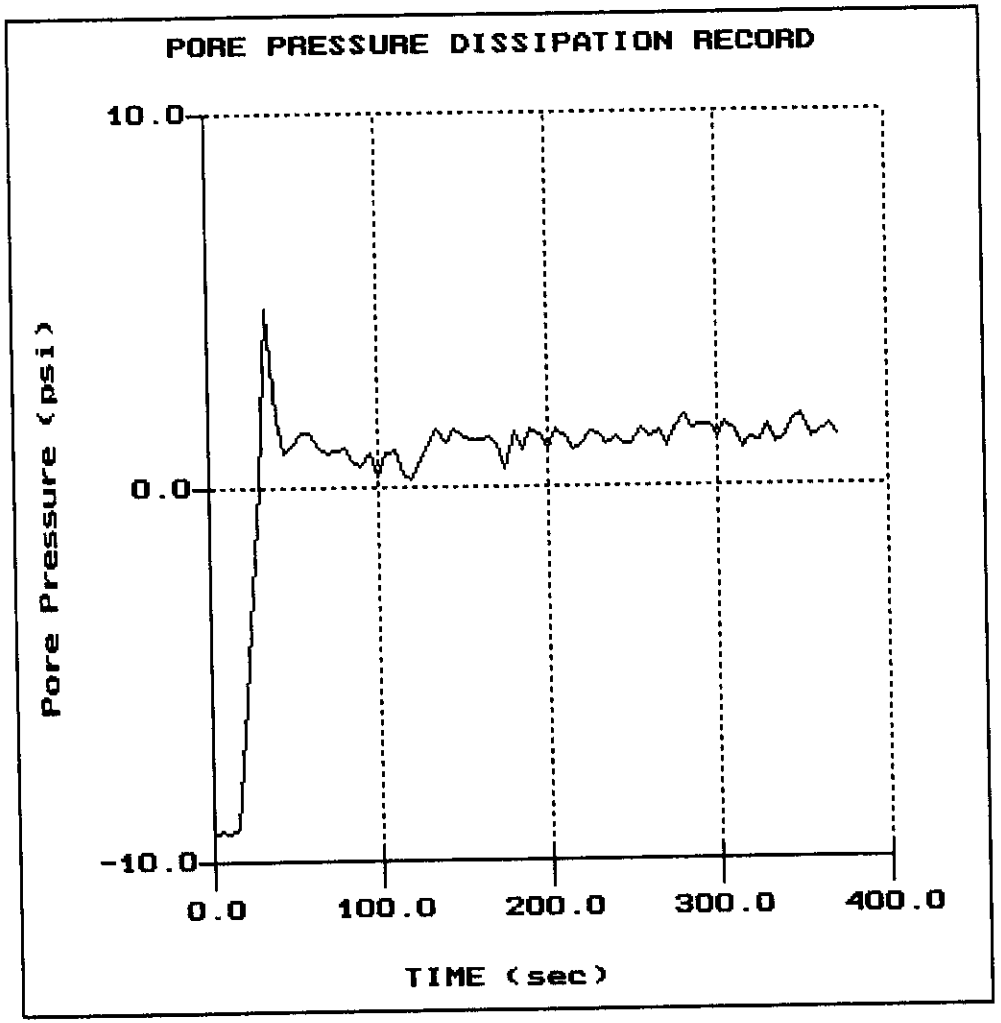
Figure PPD

CAMBRIA

Site: 225 DUTTON AVE.
Location: B-04

Geologist: S. LEWIS
Date:09:24:04 08:38

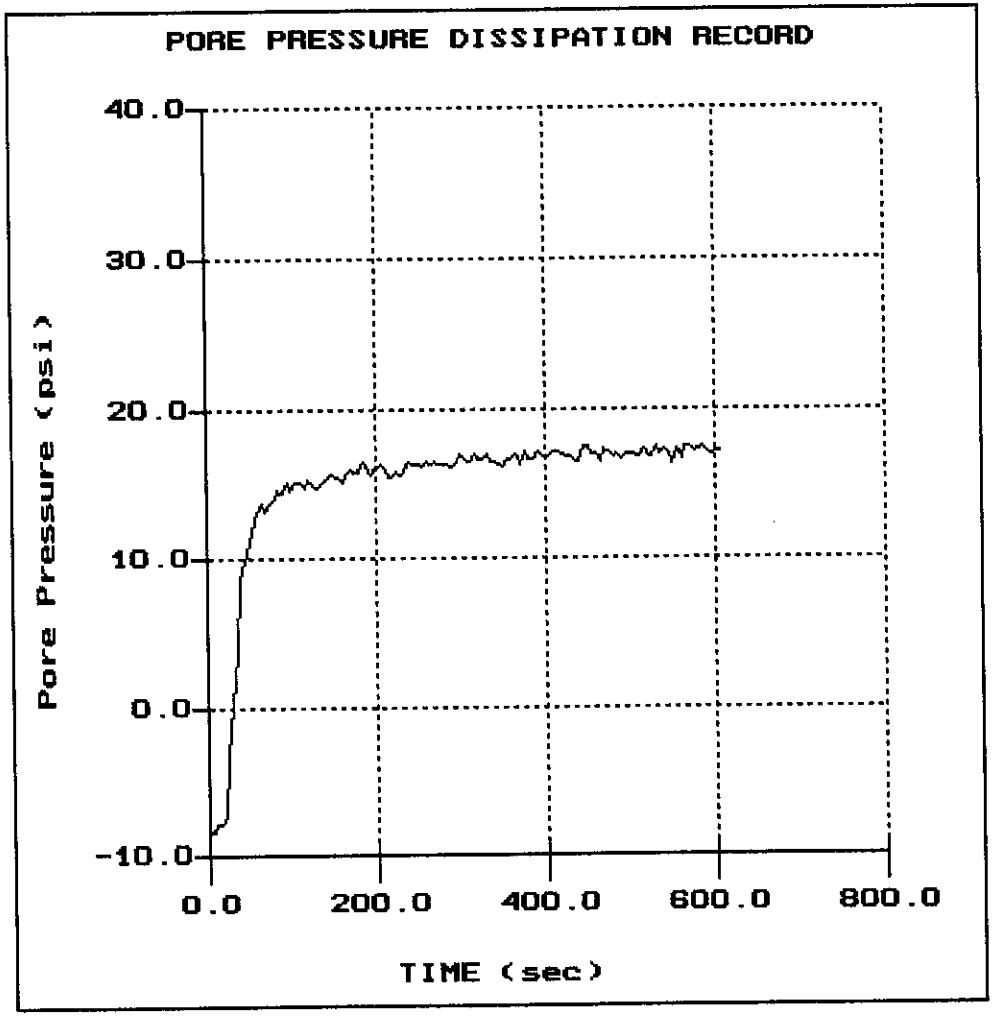
File: 305UU04.PPC
Depth (m): 6.10
(ft): 20.01
Duration : 370.0s
U-min: -9.32 0.0s
U-max: 4.76 35.0s



CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-08

Geologist: S. LEWIS
Date:09:23:04 08:30



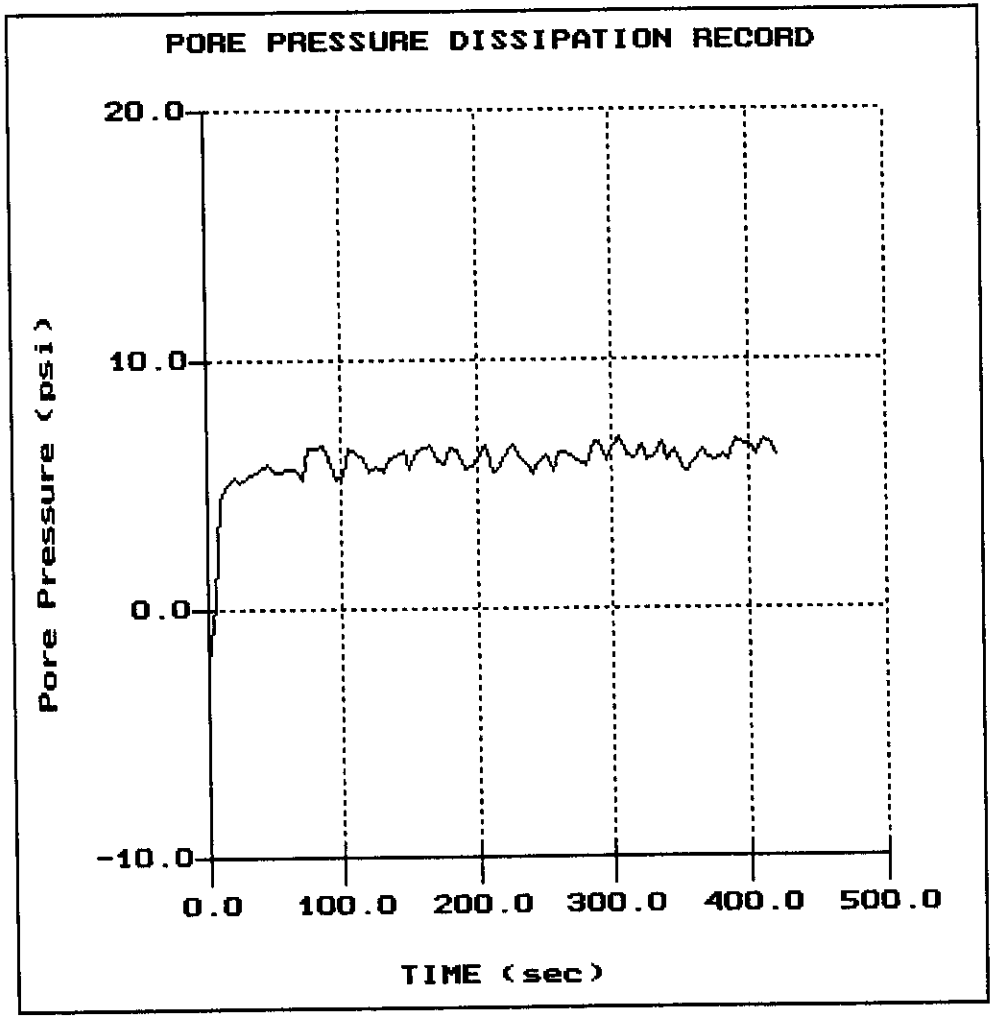
File: 305C08.PPC
Depth (m): 17.75
(ft): 58.23
Duration : 605.0s
U-min: -8.42 5.0s
U-max: 17.52 565.0s

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-08

Geologist: S. LEWIS
Date:09:23:04 08:30

File: 305C08.PPC
Depth (m): 9.30
(ft): 30.51
Duration : 420.0s
U-min: -2.32 0.0s
U-max: 6.86 305.0s

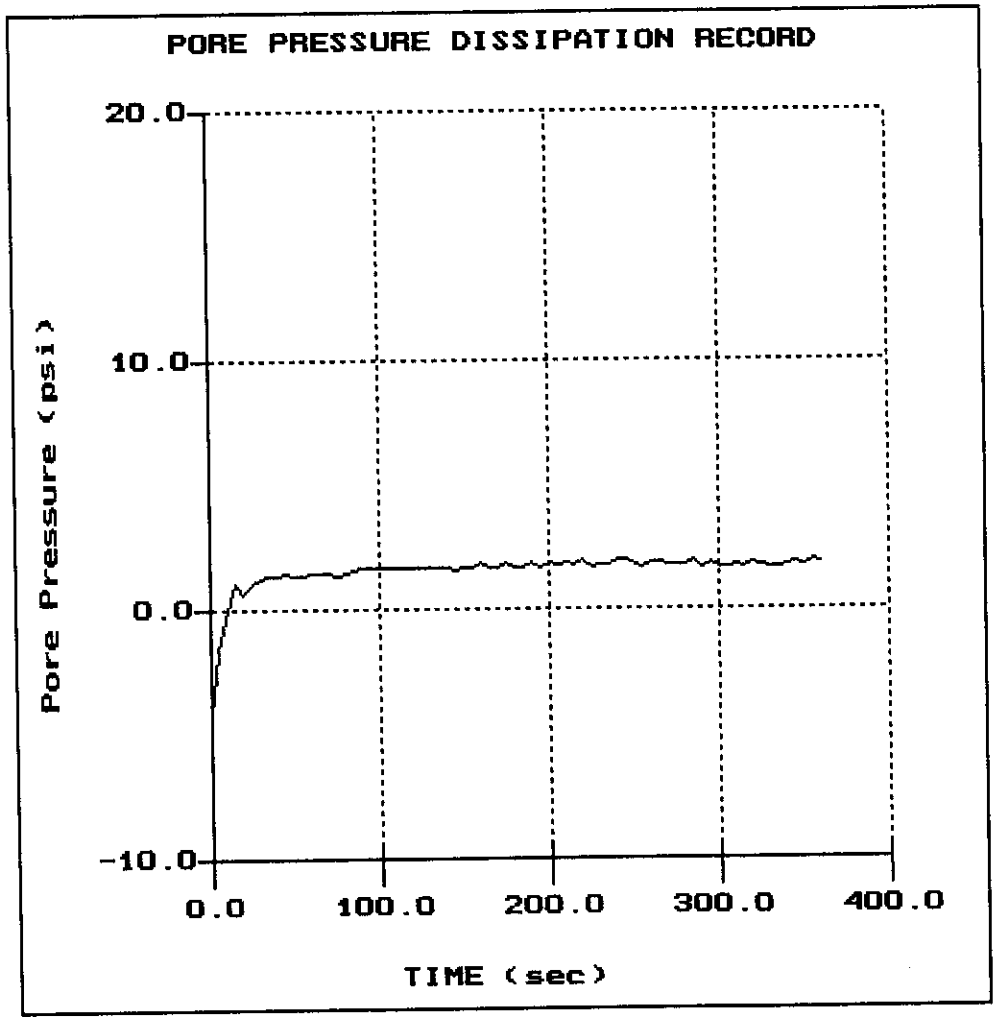


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-08

Geologist: S. LEWIS
Date:09:23:04 08:30

File: 305C08.PPC
Depth (m): 5.35
(ft): 17.55
Duration : 360.0s
U-min: -4.25 0.0s
U-max: 1.97 245.0s

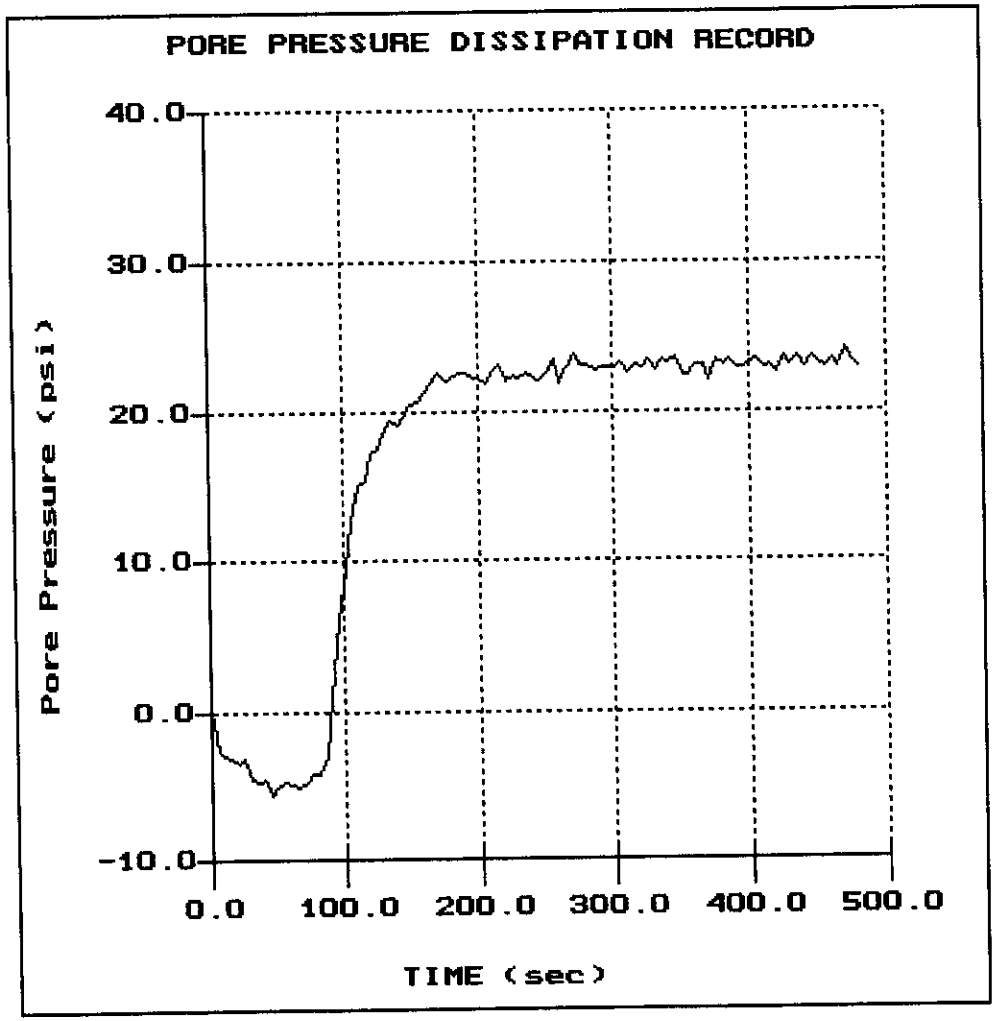


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-07

Geologist: S. LEWIS
Date:09:22:04 13:20

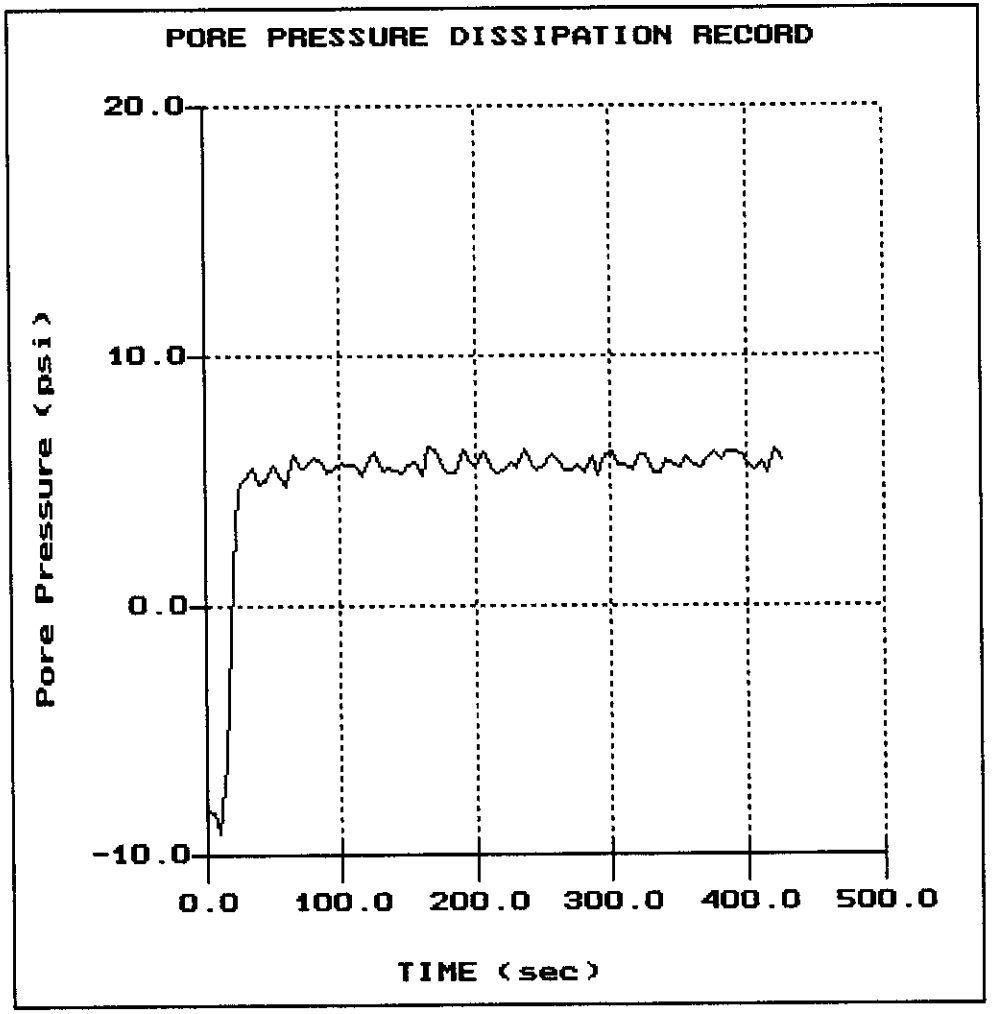
File: 305C07.PPC
Depth (m): 22.40
(ft): 73.49
Duration : 480.0s
U-min: -5.70 45.0s
U-max: 23.99 470.0s



CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-07

Geologist: S. LEWIS
Date:09:22:04 13:20



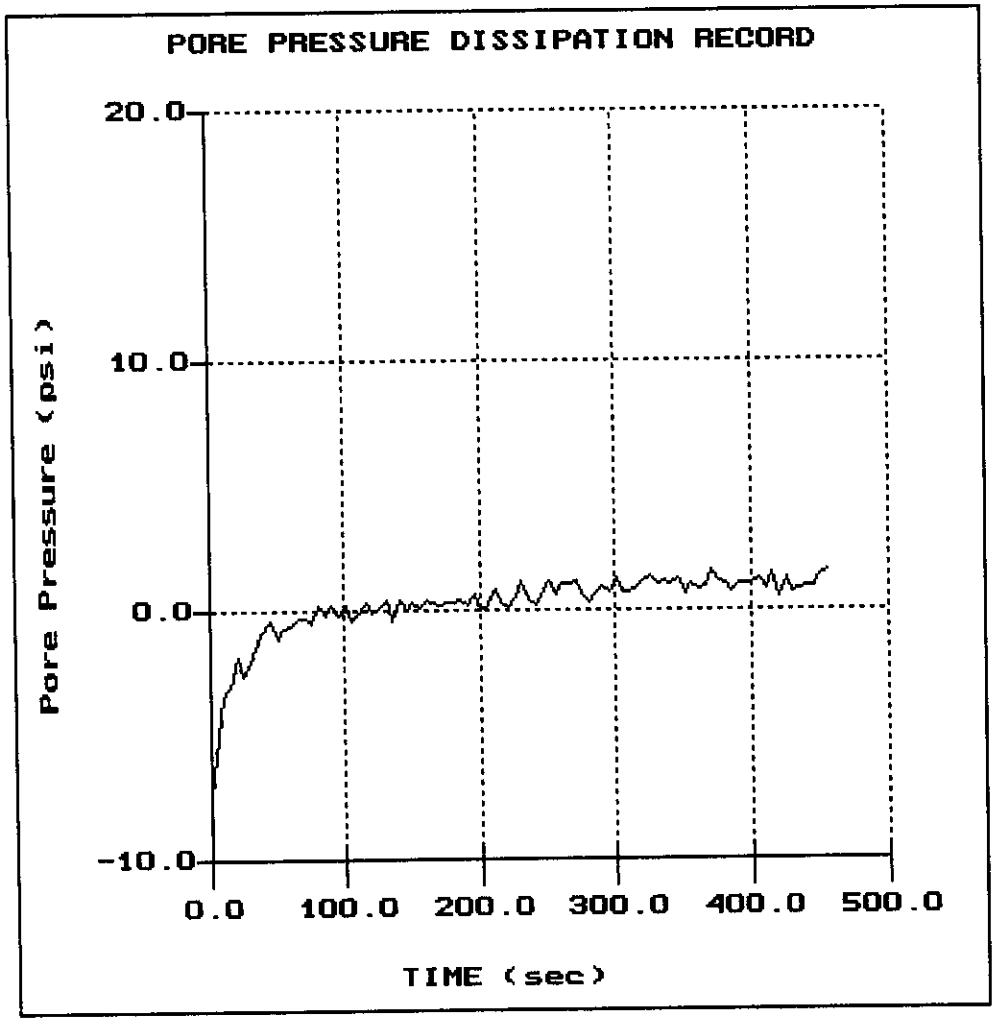
File: 305C07.PPC
Depth (m): 9.45
(ft): 31.00
Duration : 425.0s
U-min: -9.14 10.0s
U-max: 6.31 165.0s

CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-07

Geologist: S. LEWIS
Date:09:22:04 13:20

File: 305C07.PPC
Depth (m): 5.65
(ft): 18.54
Duration : 455.0s
U-min: -7.45 0.0s
U-max: 1.57 370.0s

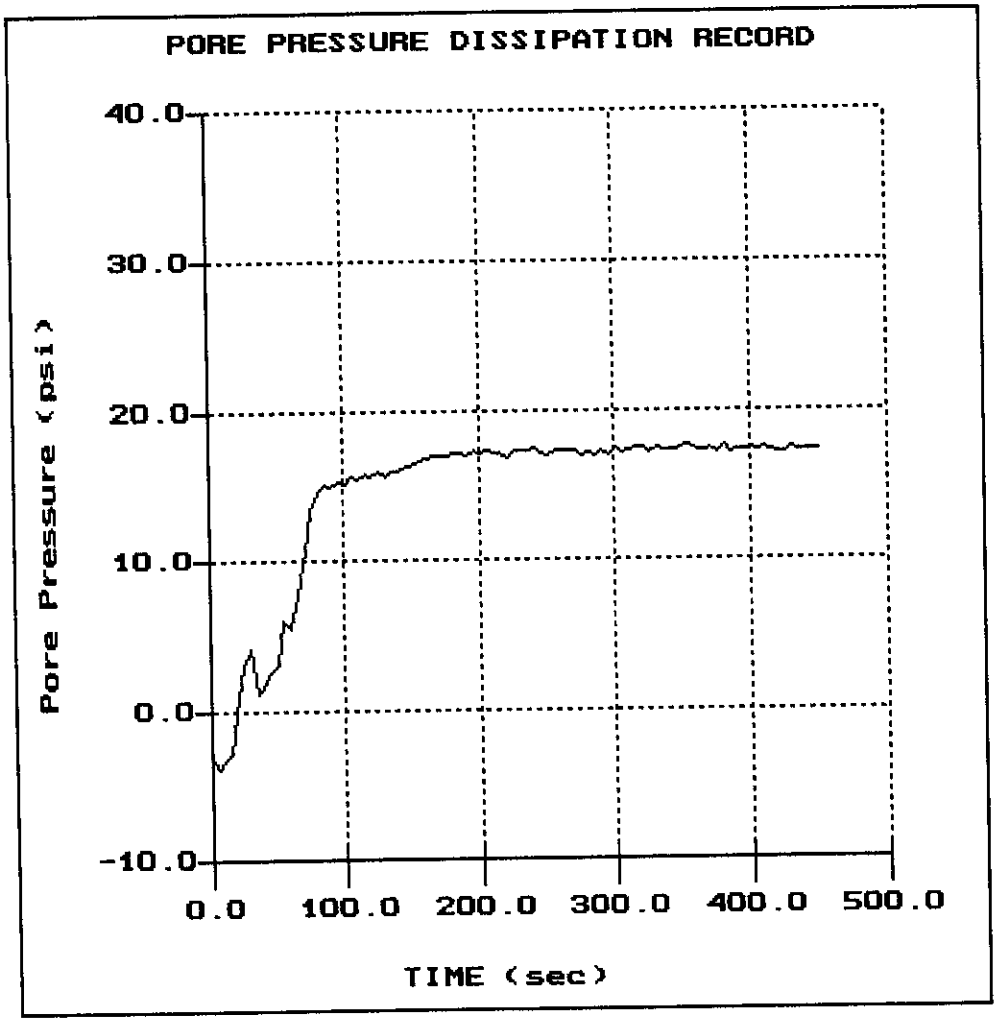


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-06

Geologist: S. LEWIS
Date:09:22:04 08:44

File: 305C06.PPC
Depth (m): 17.80
(ft): 58.40
Duration : 450.0s
U-min: -3.91 5.0s
U-max: 17.60 350.0s

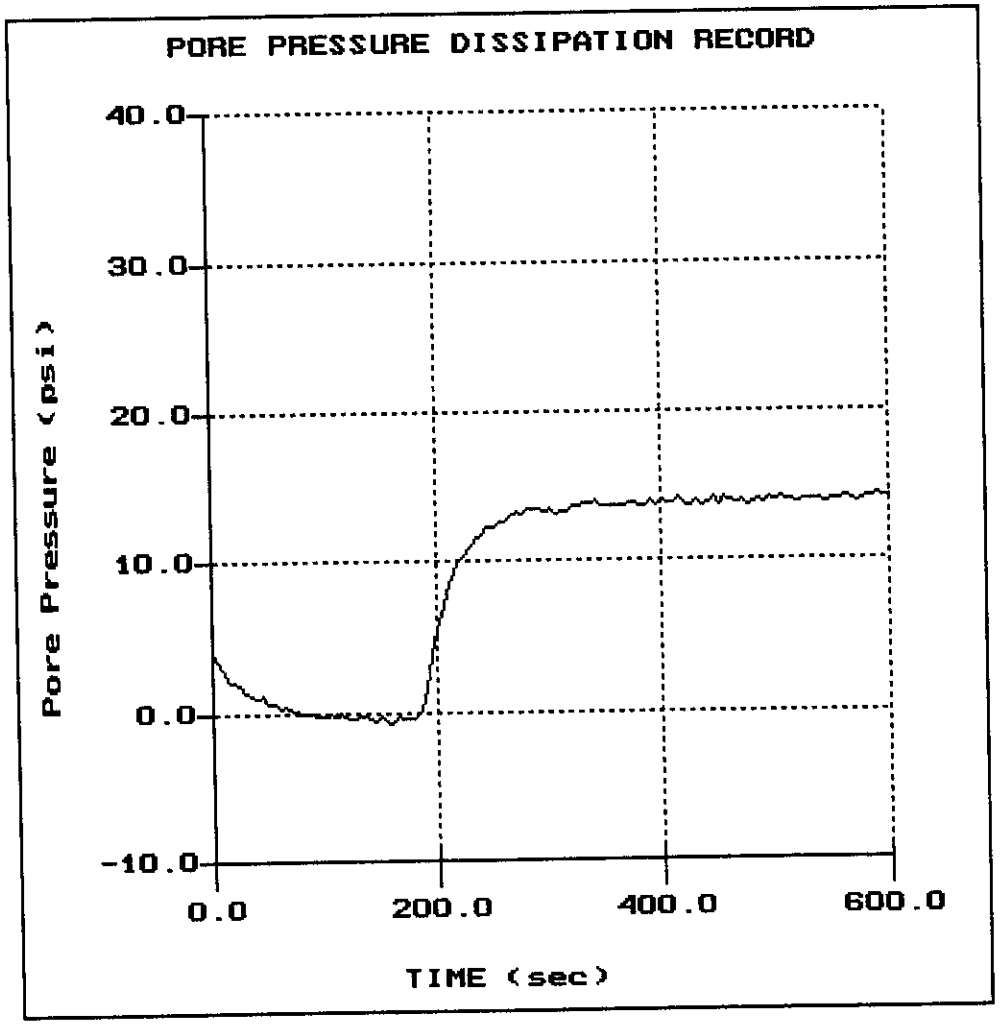


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-06

Geologist: S. LEWIS
Date:09:22:04 08:44

File: 305C06.PPC
Depth (m): 15.80
(ft): 51.84
Duration : 600.0s
U-min: -0.71 160.0s
U-max: 14.26 590.0s

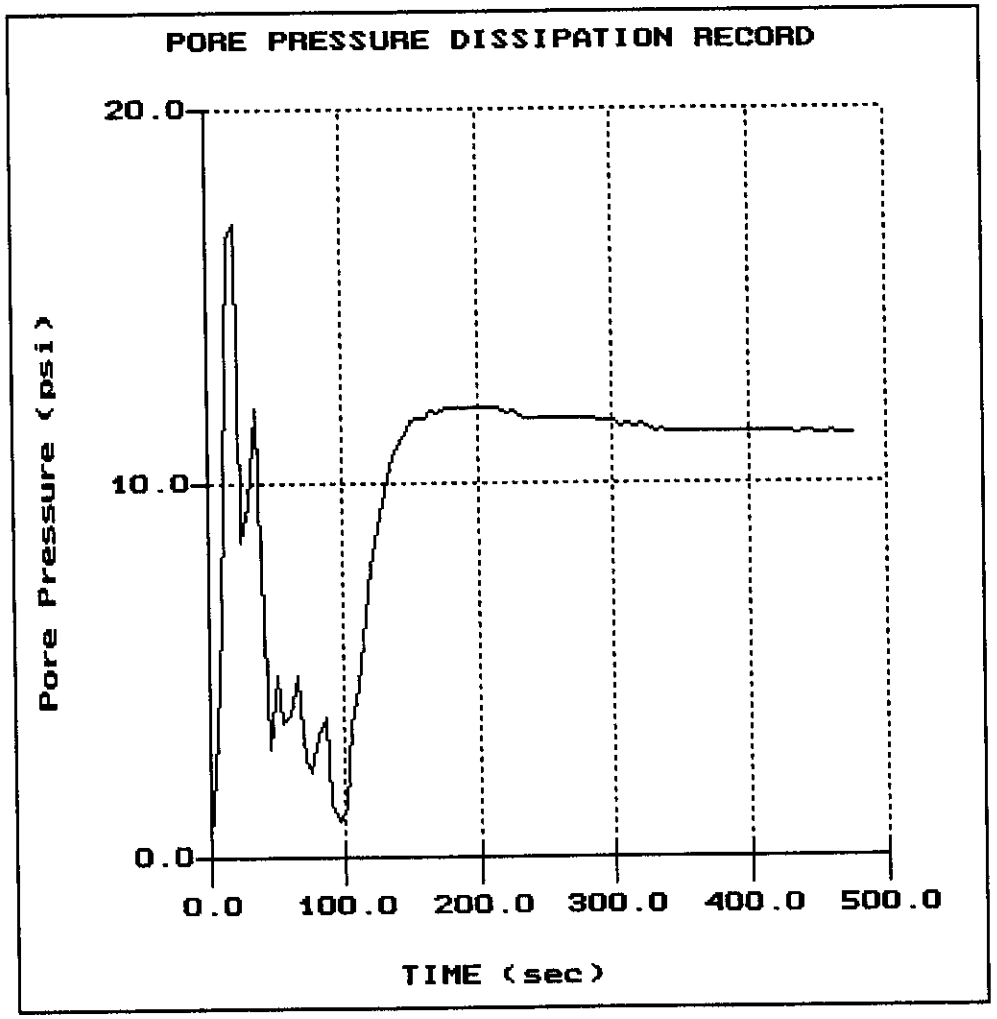


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-06

Geologist: S. LEWIS
Date:09:22:04 08:44

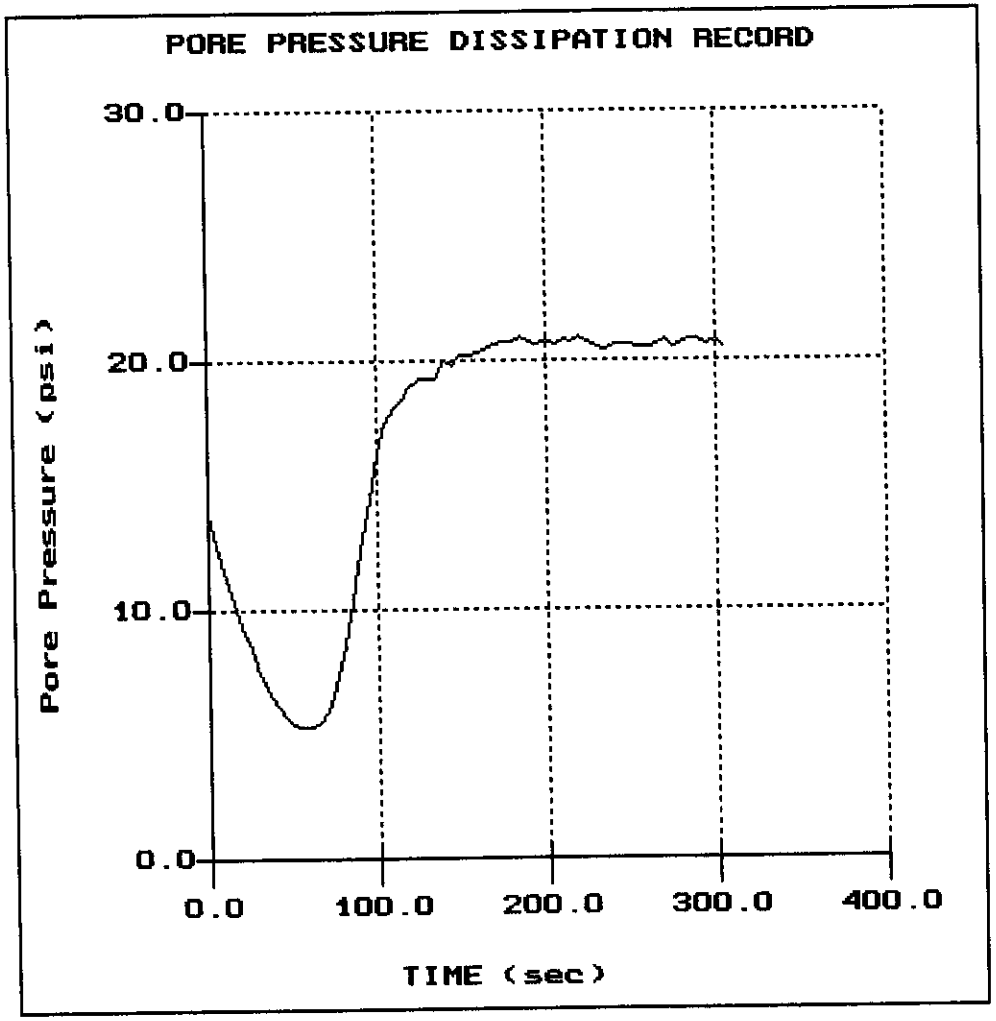
File: 305C06.PPC
Depth (m): 12.55
(ft): 41.17
Duration : 475.0s
U-min: 0.35 0.0s
U-max: 16.95 20.0s



CAMBRIA

Site: 255 DUTTON AVE.
Location: CPT-05

Geologist: S. LEWIS
Date:09:21:04 11:50



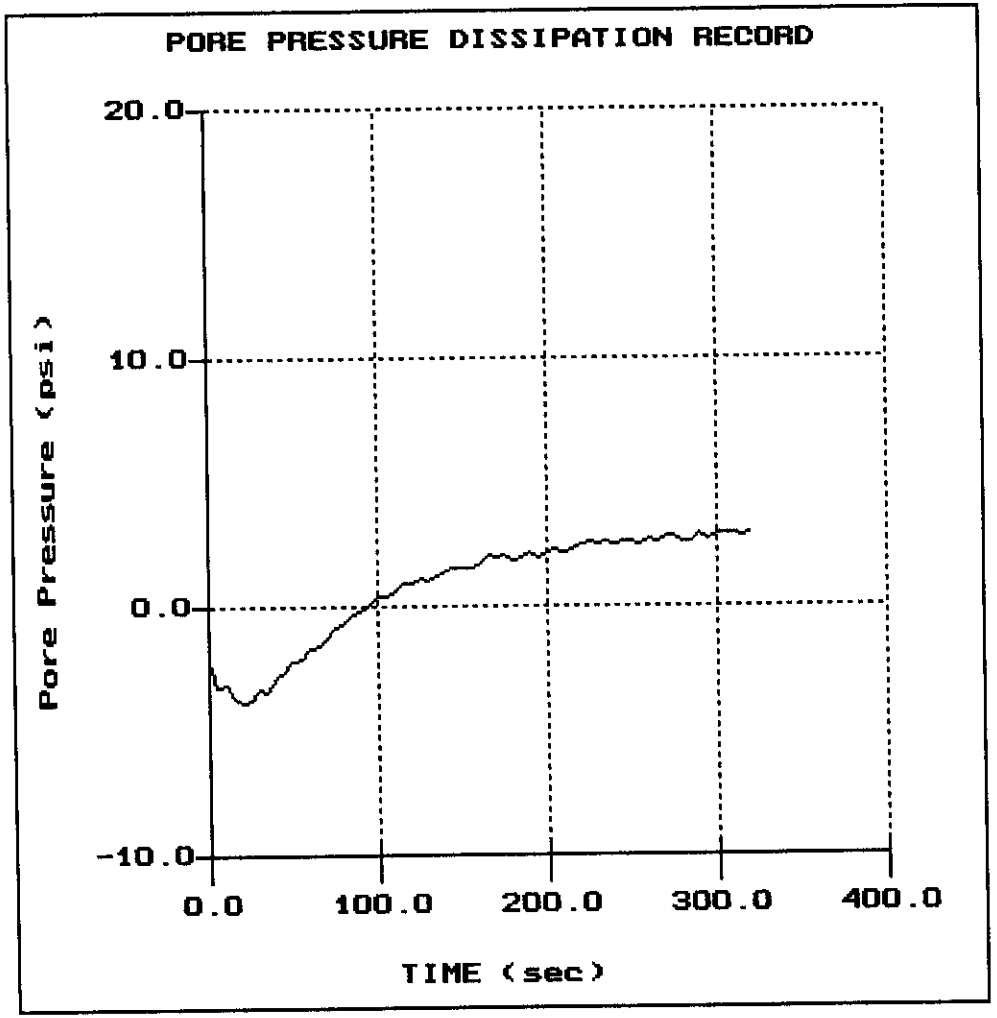
File: 305C051.PPC
Depth (m): 18.65
(ft): 61.19
Duration : 305.0s
U-min: 5.31 60.0s
U-max: 20.95 185.0s

CAMBRIA

Site: 255 DUTTON AVE.
Location: CPT-05

Geologist: S. LEWIS
Date:09:21:04 11:50

File: 305C051.PPC
Depth (m): 10.25
(ft): 33.63
Duration : 320.0s
U-min: -3.81 20.0s
U-max: 2.95 290.0s

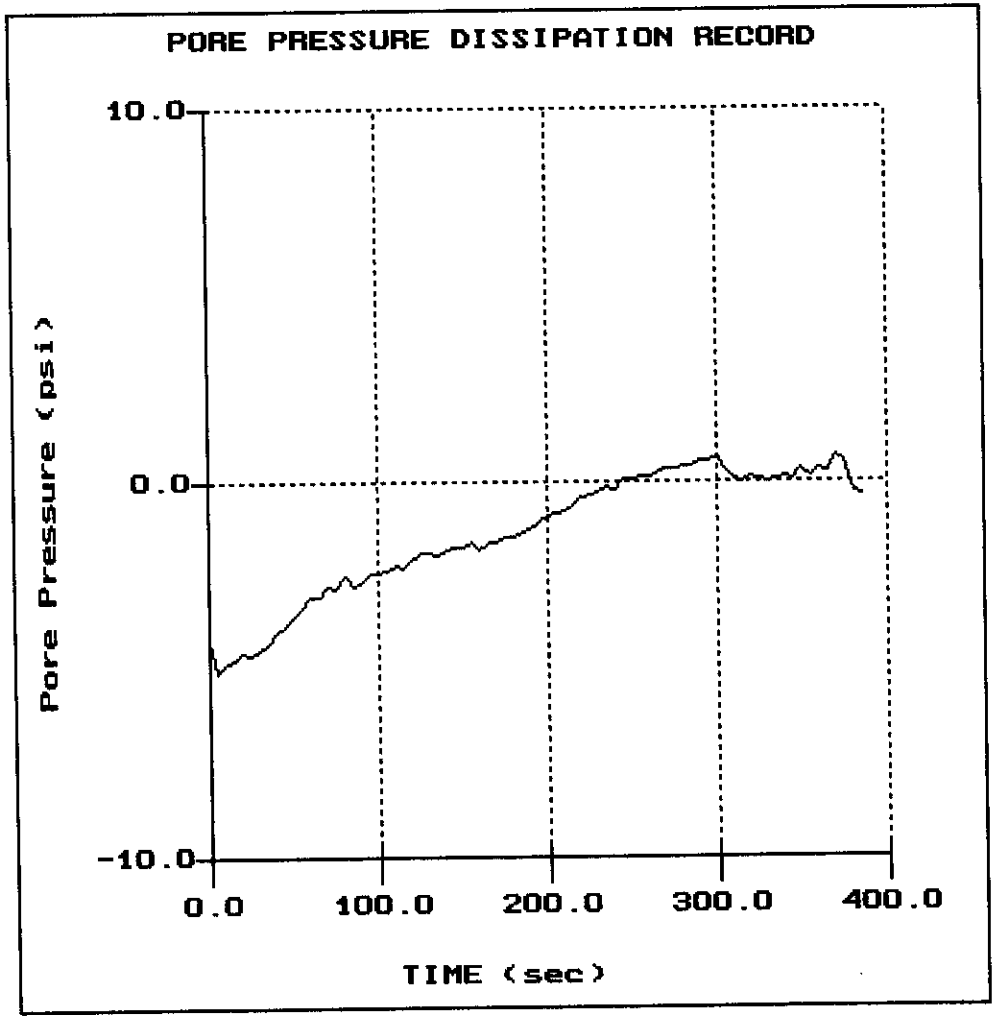


CAMBRIA

Site: 255 DUTTON AVE.
Location: CPT-05

Geologist: S. LEWIS
Date:09:21:04 11:50

File: 305C051.PPC
Depth (m): 5.45
(ft): 17.88
Duration : 385.0s
U-min: -5.07 5.0s
U-max: 0.71 370.0s

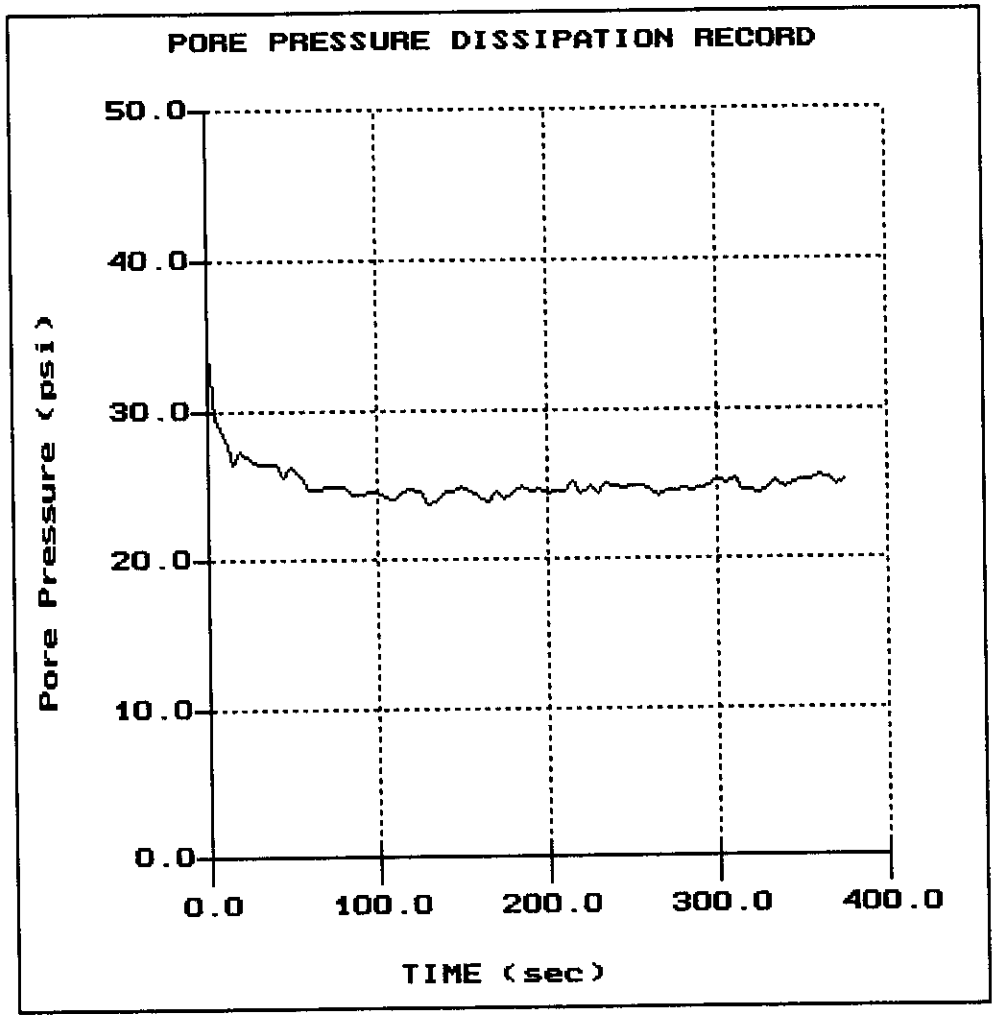


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-01

Geologist: S. LEWIS
Date:09:23:04 12:34

File: 305C01.PPC
Depth (m): 24.40
(ft): 80.05
Duration : 375.0s
U-min: 23.62 130.0s
U-max: 34.04 0.0s

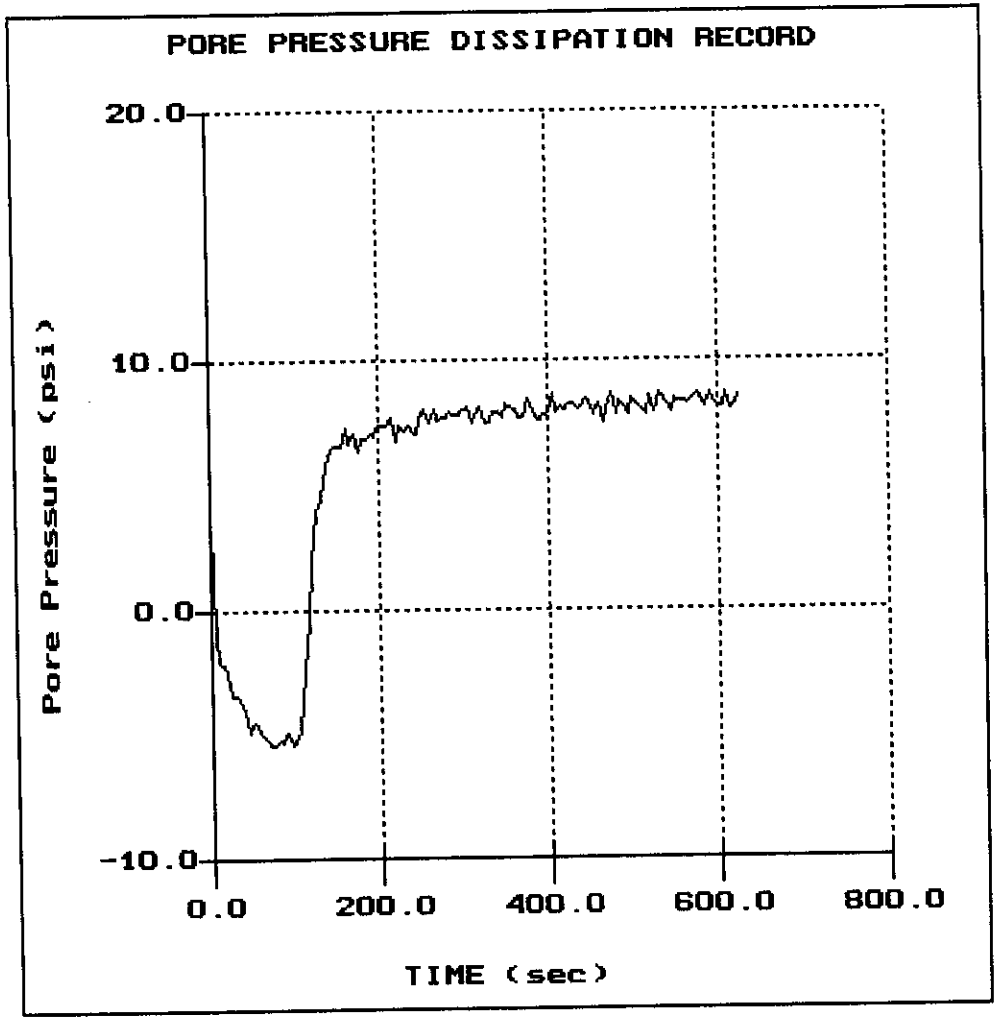


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-01

Geologist: S. LEWIS
Date:09:23:04 12:34

File: 305C01.PPC
Depth (m): 11.35
(ft): 37.24
Duration : 625.0s
U-min: -5.43 75.0s
U-max: 8.69 590.0s

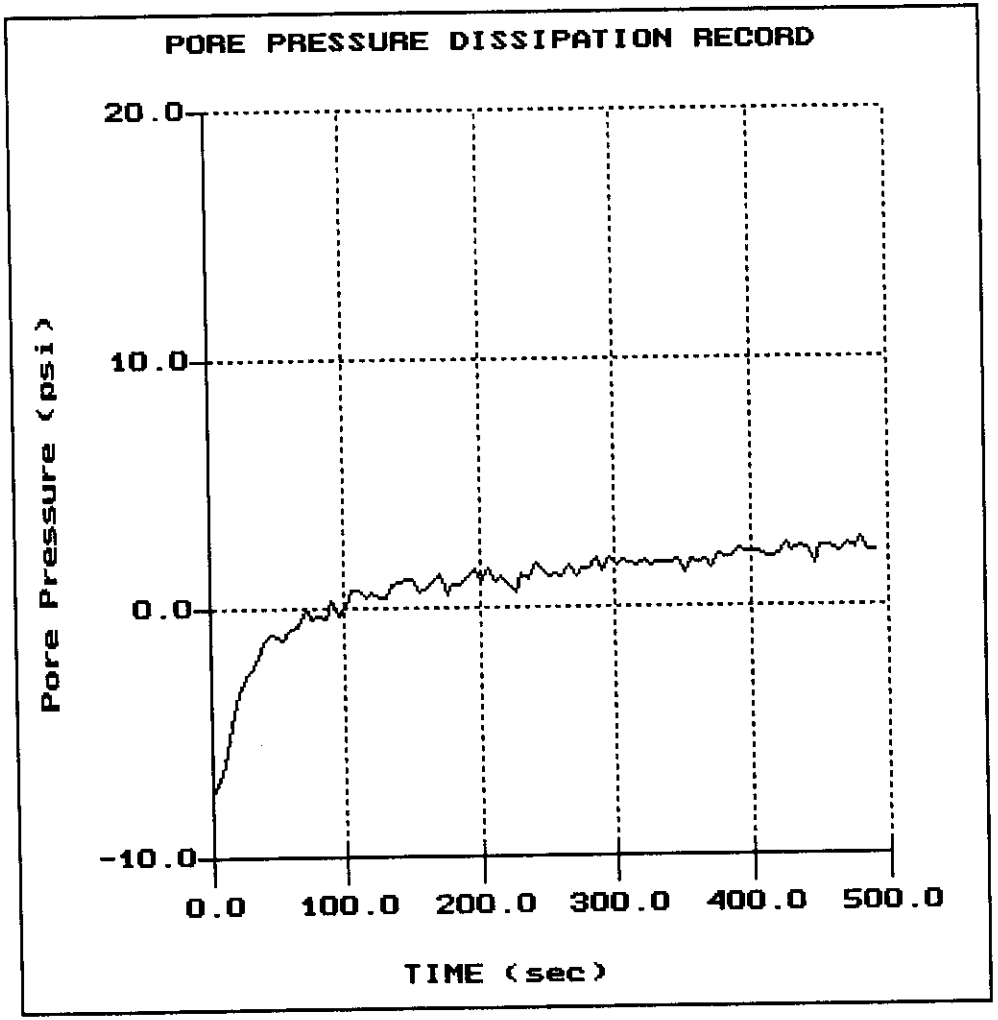


CAMBRIA

Site: 225 DUTTON AVE.
Location: CPT-01

Geologist: S. LEWIS
Date:09:23:04 12:34

File: 305C01.PPC
Depth (m): 6.70
(ft): 21.98
Duration : 490.0s
U-min: -7.55 0.0s
U-max: 2.75 480.0s



Ultra Violet Induced Flourescence (UVIFCPTu)

Gregg In Situ, Inc. conducts Ultra Violet Induced Fluorescence (UVIF) Cone Penetration Tests using a UVIF module that is located behind the standard piezocone, *Figure UVIF*. The ultra violet induced fluorescence cone works on the principle that polyaromatic hydrocarbons (PAH's), mixed with soil and groundwater, fluoresce when irradiated by ultra violet light. Therefore, by measuring the UVIF intensity of the soil and groundwater the lateral and vertical extent of polyaromatic hydrocarbon contamination in the ground can be determined.

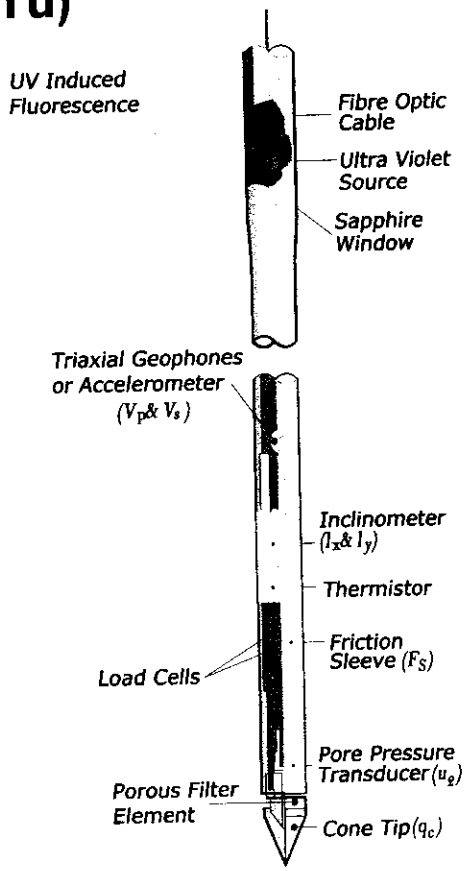


Figure UVIF

The UVIF module uses principles of fluorescence spectrometry by irradiating the soil with ultra violet light. The hydrocarbon molecules absorb the UV light energy during radiation and immediately re-emit the light at a longer wavelength. This re-emission is termed fluorescence. The difference between the excitation (250 nm) and emission (275-550 nm) wavelengths is called the Stokes shift. Specific hydrocarbon compounds can be identified by the magnitude of their Stokes shift refer to Figure EWL.

In general, as the number of aromatic rings increase the fluorescent response shifts toward longer wavelengths. Therefore, lighter compounds tend to fluoresce at shorter wavelengths and heavier compounds fluoresce at longer wavelengths.

The UVIF module contains a fiber optic cable that captures the emitted radiation and sends it to an amplifier at the surface so the intensity can be recorded.

The UVIF data is displayed in graphical form along with soil behavior type and other calculated parameters with the corresponding CPT plot.

For a detailed reference on UVIF cone testing, refer to Woeller et. al., 2000.

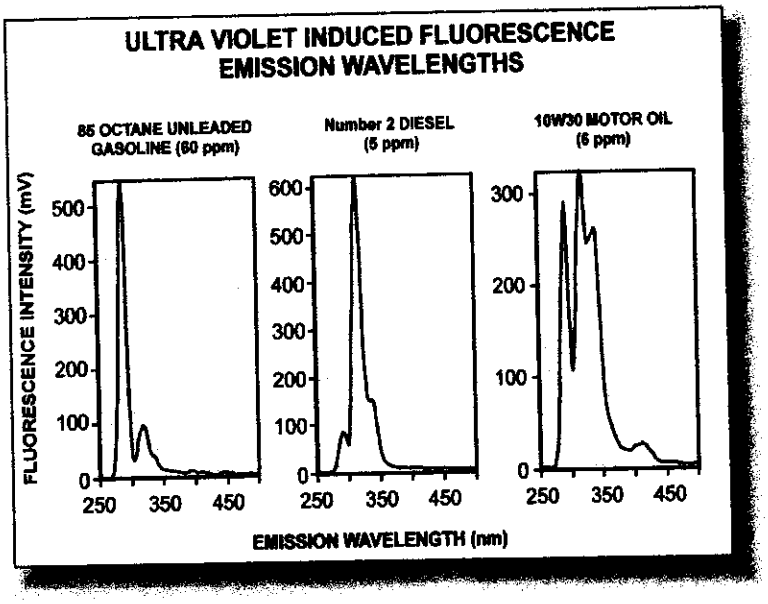


Figure EWL (After Fontana, 1994)

Groundwater Sampling (GWS)

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

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

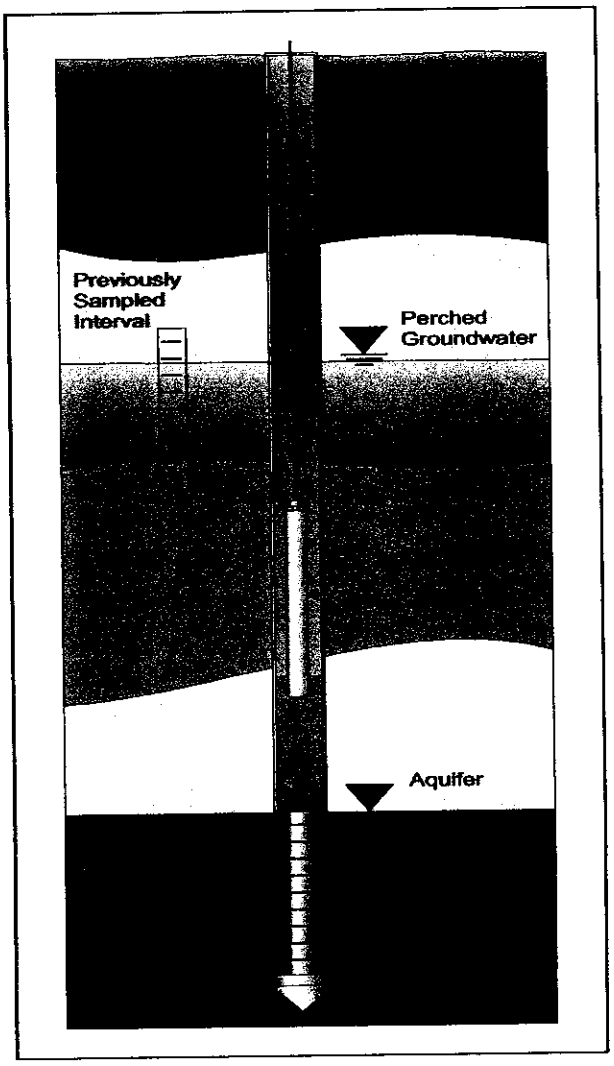


Figure GWS

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

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

Soil Sampling (SS)

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

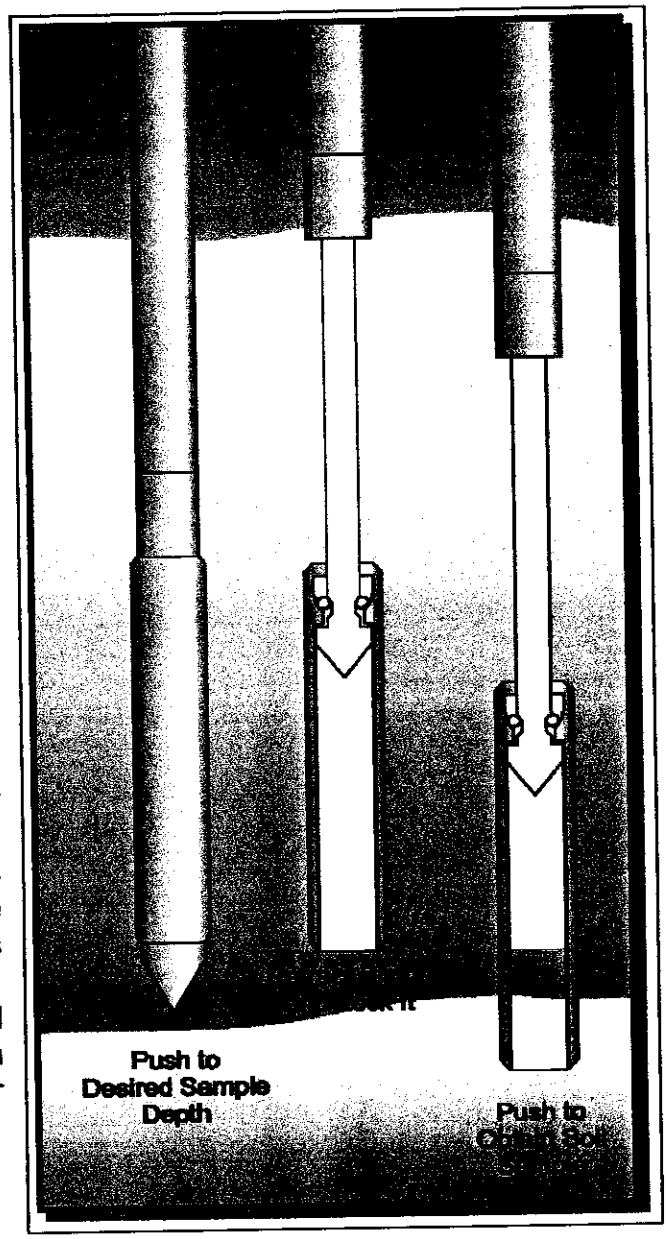


Figure SS

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

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

ConeTec Interpretations as of June 30, 2004 (Release 1.22A)

ConeTec's interpretation routine provides a tabular output of geotechnical parameters based on current published CPT correlations and is subject to change to reflect the current state of practice. The interpreted values are not considered valid for all soil types. The interpretations are presented only as a guide for geotechnical use and should be carefully scrutinized for consideration in any geotechnical design. Reference to current literature is strongly recommended. ConeTec does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the program and does not assume liability for any use of the results in any design or review. Representative hand calculations should be made for any parameter that is critical for design purposes. The end user of the interpreted output should also be fully aware of the techniques and the limitations of any method used in this program. The purpose of this document is to inform the user as to which methods were used and what the appropriate papers and/or publications are for further reference.

The CPT interpretations are based on values of tip, sleeve friction and pore pressure averaged over a user specified interval (e.g. 0.20m). Note that q_t is the tip resistance corrected for pore pressure effects and q_c is the recorded tip resistance. Since all ConeTec cones have equal end area friction sleeves, pore pressure corrections to sleeve friction, f_s, are not required.

The tip correction is: $q_t = q_c + (1-a) \bullet u_2$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the cone (typically 0.85 for ConeTec cones)

The total stress calculations are based on soil unit weights that have been assigned to the Soil Behavior Type zones, from a user defined unit weight profile or by using a single value throughout the profile. Effective vertical overburden stresses are calculated based on a hydrostatic distribution of equilibrium pore pressures below the water table or from a user defined equilibrium pore pressure profile (this can be obtained from CPT dissipation tests). For over water projects the effects of the column of water have been taken into account as has the appropriate unit weight of water. How this is done depends on where the instruments were zeroed (i.e. on deck or at mud line).

Details regarding the interpretation methods for all of the interpreted parameters are provided in Table 1. The appropriate references cited in Table 1 are listed in Table 2. Where methods are based on charts or techniques that are too complex to describe in this summary the user should refer to the cited material.

The estimated Soil Behavior Types (normalized and non-normalized) are based on the charts developed by Robertson and Campanella shown in Figures 1 and 2. The Bq classification charts are not reproduced in this document but can be reviewed in Lunne, Robertson and Powell (1997) or Robertson (1990).

Where the results of a calculation/interpretation are declared *'invalid'* the value will be represented by the text strings "-9999" or "-9999.0". In some cases the value 0 will be used. Invalid results will occur because of (and not limited to) one or a combination of:

1. Invalid or undefined CPT data (e.g. drilled out section or data gap).
2. Where the interpretation method is inappropriate, for example, drained parameters in an undrained material (and vice versa).
3. Where interpretation input values are beyond the range of the referenced charts or specified limitations of the interpretation method.
4. Where pre-requisite or intermediate interpretation calculations are invalid.

The parameters selected for output from the program are often specific to a particular project. As such, not all of the interpreted parameters listed in Table 1 may be included in the output files delivered with this report.

The output files are often delivered in one (or more) of the following three formats:

File Type	Typical Extensions	Description
Printable	IFP, NLP	ASCII files formatted for direct printing either by copying to a printer port, through a text editor or through a dedicated printing routine (such as ConeTec's CTPRINT). Typically formatted for 132 columns wide and 70 lines per page. Any printer would need to be set to have a compressed font (16cpi) as its default.
Importable	IFI, NLI	Tab delimited ASCII files (not for use with text editors) meant for importing into spreadsheet and database applications (e.g. Excel, Lotus, Quattro, Access). Some column and cell formatting maybe required depending on the quality of the application's import utility.
Spreadsheet	XLS	IFI, NLI files exported directly to Excel format. Column and cell formatting has been done. Header information is exported to start in Column C allowing the depth columns A and/or B to be duplicated on each printed page without repetition of part of the header information.

Table 1
CPT Interpretation Methods

Interpreted Parameter	Description	Equation	Ref
Depth	Mid Layer Depth *(where interpretations are done at each point then Mid Layer Depth = Recorded Depth)*	*Depth (Layer Top) + Depth (Layer Bottom) / 2.0*	
Elevation	Elevation of Mid Layer based on sounding collar elevation supplied by client	Elevation = Collar Elevation - Depth	
Avgqc	Averaged recorded tip value (q_c)	$Avgqc = \frac{1}{n}\sum_{i=1}^{n} q_c$ *n=1 when interpretations are done at each point*	
Avgqt	Averaged corrected tip (q_t) where: $q_t = q_c + (1-a) \bullet u$	$Avgqt = \frac{1}{n}\sum_{i=1}^{n} q_t$ *n=1 when interpretations are done at each point*	
Avgfs	Averaged sleeve friction (f_s)	$Avgfs = \frac{1}{n}\sum_{i=1}^{n} fs$ *n=1 when interpretations are done at each point*	
AvgRf	Averaged friction ratio (Rf) where friction ratio is defined as: $Rf = 100\% \bullet \frac{fs}{qt}$	$AvgRf = 100\% \bullet \frac{Avgfs}{Avgqt}$ *n=1 when interpretations are done at each point*	
Avgu	Averaged dynamic pore pressure *(u)*	$Avgu = \frac{1}{n}\sum_{i=1}^{n} u_t$ *n=1 when interpretations are done at each point*	
AvgRes	Averaged Resistivity (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} RESISTIVITY_t$ *n=1 when interpretations are done at each point*	

Interpreted Parameter	Description	Equation	Ref
AvgUVIF	Averaged UVIF ultra-violet induced fluorescence (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} UVIF_i$ *n=1 when interpretations are done at each point*	
AvgTemp	Averaged Temperature (this data is not always available since it is a specialized test)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} TEMPERATURE_i$ *n=1 when interpretations are done at each point*	
AvgGamma	Averaged Gamma Counts (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} GAMMA_i$ *n=1 when interpretations are done at each point*	
SBT	Soil Behavior Type as defined by Robertson and Campanella	See Figure 1	2, 5
U.Wt.	Unit Weight of soil determined from one of the following user selectable options: 1) uniform value 2) value assigned to each SBT zone 3) user supplied unit weight profile	See references	5
T. Stress σ_v	Total vertical overburden stress at Mid Layer Depth. *A layer is defined as the averaging interval specified by the user. For data interpreted at each point the Mid Layer Depth is the same as the recorded depth.*	$TStress = \sum_{i=1}^{n} \gamma_i h_i$ *where* γ_i is layer unit weight h_i is layer thickness	
E. Stress σ_v'	Effective vertical overburden stress at Mid Layer Depth	*Estress = Tstress - u_{eq}*	
Ueq	Equilibrium pore pressure determined from one of the following user selectable options: 1) hydrostatic from water table depth 2) user supplied profile	For hydrostatic option: $u_{eq} = \gamma_w \bullet (D - D_{wt})$ where u_{eq} is equilibrium pore pressure γ_w is unit weight of water D is the current depth D_{wt} is the depth to the water table	
Cn	SPT N_{60} overburden correction factor	$Cn=(\sigma_v')^{-0.5}$ where *σ_v' is in tsf* *$0.5 < C_n < 2.0$*	
N_{60}	SPT N value at 60% energy calculated from qt/N ratios assigned to each SBT zone. This method has abrupt N value changes at zone boundaries.	*See Figure 1*	4, 5
$(N_1)_{60}$	SPT N_{60} value corrected for overburden pressure	$(N_1)_{60} = Cn \bullet N_{60}$	4
$N_{60}Ic$	SPT N_{60} values based on the Ic parameter	$(qt/pa)/ N_{60} = 8.5 (1 - Ic/4.6)$	5
$(N_1)_{60}Ic$	SPT N_{60} value corrected for overburden pressure (using N_{60} Ic). User has 2 options.	1) $(N_1)_{60}Ic = Cn \bullet (N_{60} Ic)$ 2) $q_{c1n}/ (N_1)_{60}Ic = 8.5 (1 - Ic/4.6)$	4 5
$(N_1)_{60cs}Ic$	Clean sand equivalent SPT $(N_1)_{60}Ic$. User has 3 options.	1) $(N_1)_{60cs}Ic = \alpha + \beta((N_1)_{60}Ic)$ 2) $(N_1)_{60cs}Ic = K_{SPT} * ((N_1)_{60}Ic)$ 3) $q_{c1ncs})/ (N_1)_{60cs}Ic = 8.5 (1 - Ic/4.6)$ FC ≤ 5%: $\alpha = 0$, $\beta=1.0$ FC ≥ 35% $\alpha = 5.0$, $\beta=1.2$ 5% < FC < 35% $\alpha = \exp[1.76 - (190/FC^2)]$ $\beta = [0.99 + (FC^{1.5}/1000)]$	10 10 5
Su	Undrained shear strength - N_{kt} is user selectable	$Su = \frac{qt - \sigma_v}{N_{kt}}$	1, 5
k	Coefficient of permeability (assigned to each SBT zone)		5

Interpreted Parameter	Description	Equation	Ref
Bq	Pore pressure parameter	$Bq = \frac{\Delta u}{qt - \sigma_v}$ where: $\Delta u = u - u_{eq}$ and u = dynamic pore pressure u_{eq} = equilibrium pore pressure	1, 5
Q_t	Normalized q_t for Soil Behavior Type classification as defined by Robertson, 1990	$Qt = \frac{qt - \sigma_v}{\sigma'_v}$	2, 5
F_r	Normalized Friction Ratio for Soil Behavior Type classification as defined by Robertson, 1990	$Fr = 100\% \bullet \frac{fs}{qt - \sigma_v}$	2, 5
SBTn	Normalized Soil Behavior Type as defined by Robertson and Campanella	See Figure 2	2, 5
SBT-BQ	Non-normalized soil behavior type based on the Bq parameter	See Figure 5.7 (reference 5)	2, 5
SBT-BQn	Normalized Soil Behavior base on the Bq parameter	See Figure 5.8 (reference 5) or Figure 3 (reference 2)	2, 5
I_c	Soil index for estimating grain characteristics	$Ic = [(3.47 - \log_{10}Q)^2 + (\log_{10} Fr + 1.22)^2]^{0.5}$ Where: $Q = \left(\frac{qt - \sigma_v}{P_{a2}}\right)\left(\frac{P_a}{\sigma'_v}\right)^n$ And Fr is in percent P_a = atmospheric pressure P_{a2} = atmospheric pressure n varies from 0.5 to 1.0 and is selected in an iterative manner based on the resulting I_c	3, 8
FC	Apparent fines content (%)	$FC=1.75(Ic^{3.25}) - 3.7$ $FC=100$ for $Ic > 3.5$ $FC=0$ for $Ic < 1.26$ $FC = 5\%$ if $1.64 < Ic < 2.6$ AND $F_r<0.5$	3
Ic Zone	This parameter is the Soil Behavior Type zone based on the Ic parameter (valid for zones 2 through 7 on SBTn chart)	Ic < 1.31 Zone = 7 1.31 < Ic < 2.05 Zone = 6 2.05 < Ic < 2.60 Zone = 5 2.60 < Ic < 2.95 Zone = 4 2.95 < Ic < 3.60 Zone = 3 Ic > 3.60 Zone = 2	3
PHI ϕ	Friction Angle determined from one of the following user selectable options: a) Campanella and Robertson b) Durgunoglu and Mitchel c) Janbu	See reference	5
Dr	Relative Density determined from one of the following user selectable options: a) Ticino Sand b) Hokksund Sand c) Schmertmann 1976 d) Jamiolkowski - All Sands	See reference	5

Interpreted Parameter	Description	Equation	Ref
OCR	Over Consolidation Ratio	a) Based on Schmertmann's method involving a plot of $S_u/\sigma_v' / (S_u/\sigma_v')_{NC}$ and OCR where the Su/p' ratio for NC clay is user selectable	9
State Parameter	The state parameter is used to describe whether a soil is contractive (SP is positive) or dilative (SP is negative) at large strains based on the work by Been and Jefferies	See reference	8, 6, 5
Es/qt	Intermediate parameter for calculating Youngs Modulus, E, in sands. It is the Y axis of the reference chart.	Based on Figure 5.59 in the reference	5
Youngs Modulus E	Youngs Modulus based on the work by Baldi. There are three types of sands considered in this technique. The user selects the appropriate type for the site from: a) OC Sands b) Aged NC Sands c) Recent NC Sands Each sand type has a family of curves that depend on mean normal stress. The program calculates mean normal stress and linearly interpolates between the two extremes provided in Baldi's chart.	Mean normal stress is evaluated from: $\sigma_m' = \frac{1}{3} \bullet (\sigma_v' + \sigma_h' + \sigma_h')$ where σ_v'= vertical effective stress σ_h'= horizontal effective stress and $\sigma_h = K_o * \sigma_v'$ with Ko assumed to be 0.5	5
q_{c1}	q_t normalized for overburden stress used for seismic analysis	$q_{c1} = q_t \bullet (Pa/\sigma_v')^{0.5}$ where: Pa = atm. Pressure q_t is in Mpa	3
q_{c1n}	q_{c1} in dimensionless form used for seismic analysis	$q_{c1n} = (q_{c1} / Pa)(Pa/\sigma_v')$ where: Pa = atm. Pressure and n ranges from 0.5 to 0.75 based on Ic.	3
K_{SPT}	Equivalent clean sand factor for $(N_1)60$	$K_{SPT} = 1 + ((0.75/30) * (FC - 5))$	10
K_{CPT}	Equivalent clean sand correction for q_{c1N}	$K_{cpt} = 1.0$ for $I_c \leq 1.64$ $K_{cpt} = f(I_c)$ for $I_c > 1.64$ (see reference)	10
q_{c1ncs}	Clean sand equivalent q_{c1n}	$q_{c1ncs} = q_{c1n} \bullet K_{cpt}$	3
CRR	Cyclic Resistance Ratio (for Magnitude 7.5)	$q_{c1ncs} < 50$: $CRR_{7.5} = 0.833 [(q_{c1ncs}/1000] + 0.05$ $50 \leq q_{c1ncs} < 160$: $CRR_{7.5} = 93 [(q_{c1ncs}/1000]^3 + 0.08$	10
CSR	Cyclic Stress Ratio	$CSR = (\tau_{av}/\sigma_v') = 0.65 (a_{max} / g) (\sigma_v / \sigma_v') r_d$ $r_d = 1.0 - 0.00765 z$ $z \leq 9.15m$ $r_d = 1.174 - 0.0267 z$ $9.15 < z \leq 23m$ $r_d = 0.744 - 0.008 z$ $23 < z \leq 30m$ $r_d = 0.50$ $z > 30m$	10

Interpreted Parameter	Description	Equation	Ref
MSF	Magnitude Scaling Factor	See Reference	10
FofS	Factor of Safety against Liquefaction	$FS = (CRR_{7.5} / CSR)\ MSF$	10
Liquefaction Status	Statement indicating possible liquefaction	Takes into account FofS and limitations based I_c and q_{c1ncs}.	10

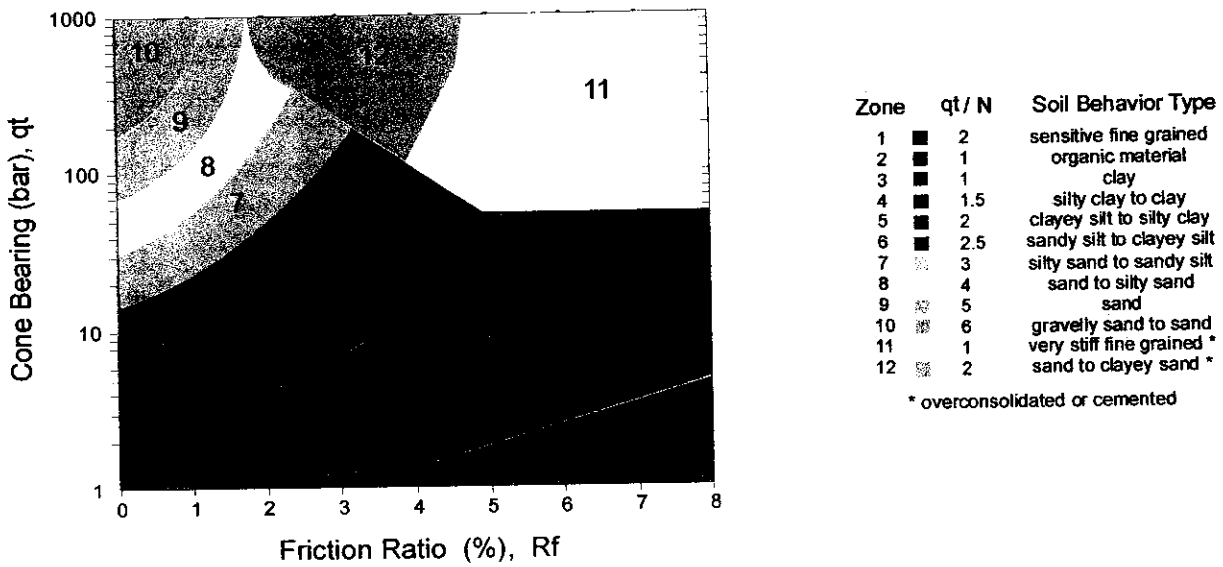


Figure 1 Non-Normalized Behavior Type Classification Chart

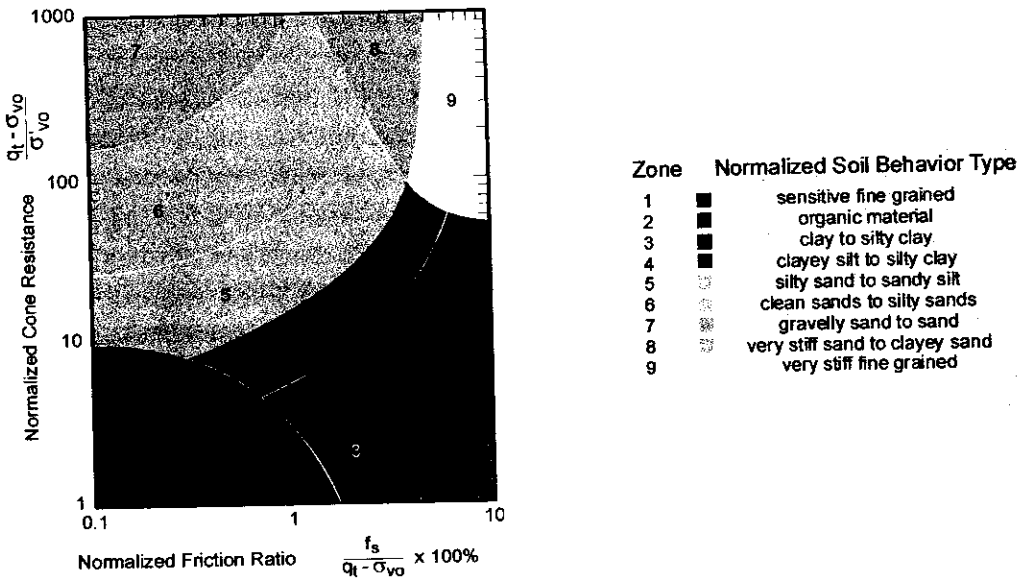


Figure 2 Normalized Behavior Type Classification Chart

Table 2 References

No.	References
1	Robertson, P.K., Campanella, R.G., Gillespie, D. and Greig, J., 1986, "Use of Piezometer Cone Data", Proceedings of InSitu 86, ASCE Specialty Conference, Blacksburg, Virginia.
2	Robertson, P.K., 1990, "Soil Classification Using the Cone Penetration Test", Canadian Geotechnical Journal, Volume 27.
3	Robertson, P.K. and Fear, C.E., 1998, "Evaluating cyclic liquefaction potential using the cone penetration test", Canadian Geotechnical Journal, 35: 442-459.
4	Robertson, P.K. and Wride, C.E., 1998, "Cyclic Liquefaction and its Evaluation Based on SPT and CPT", NCEER Workshop Paper, January 22, 1997
5	Lunne, T., Robertson, P.K. and Powell, J. J. M., 1997, " Cone Penetration Testing in Geotechnical Practice," Blackie Academic and Professional.
6	Plewes, H.D., Davies, M.P. and Jefferies, M.G., 1992, "CPT Based Screening Procedure for Evaluating Liquefaction Susceptibility", 45th Canadian Geotechnical Conference, Toronto, Ontario, October 1992.
7	Jefferies, M.G. and Davies, M.P., 1993. "Use of CPTu to Estimate equivalent N_{60}", Geotechnical Testing Journal, 16(4): 458-467.
8	Been, K. and Jefferies, M.P., 1985, "A state parameter for sands", Geotechnique, 35(2), 99-112.
9	Schmertmann, 1977, "Guidelines for Cone Penetration Test Performance and Design", Federal Highway Administration Report FHWA-TS-78-209, U.S. Department of Transportation
10	Proceedings of theNCEER Workshop on Evaluation of Liquefaction Resistance of Soils, Salt LakeCity, 1996. Chaired by Leslie Youd.

GREGG DRILLING AND TESTING, INC.
GREGG IN SITU, INC.
ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATION SERVICES

February 1, 2005

Cambria
Attn: Scott Lewis
270 Perkins Street
Sonoma, CA 95476

Subject: CPT Site Investigation
Shell Branded Service Station
Santa Rosa, CA
GREGG Project Number: 05-029ma

Dear Mr. Lewis:

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

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☐
4	Resistivity Cone Penetration Tests	(RCPTU)	☐
5	UVIF Cone Penetration Tests	(UVIFCPTU)	☐
6	Groundwater Sampling	(GWS)	☒
7	Soil Sampling	(SS)	☐
8	Vapor Sampling	(VS)	☐
9	Vane Shear Testing	(VST)	☐
10	SPT Energy Calibration	(SPTE)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact our office at (562) 427-6899.

Sincerely,
GREGG IN SITU, Inc.

Mary Walden
Operations Manager

950 Howe Rd • Martinez, California 94553 • 925) 313-5800 • FAX (925) 313-0302
OTHER OFFICES: SUMMERVILLE • LOS ANGELES • SALT LAKE CITY • HOUSTON • VANCOUVER • WEST BERLIN (NJ) •AUGUSTA
www.greggdrilling.com

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Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986
pp. 791-803.

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Copies of ASTM Standards are available through www.astm.org

APPENDIX CPT

Cone Penetration Testing Procedure (CPT)

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

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

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

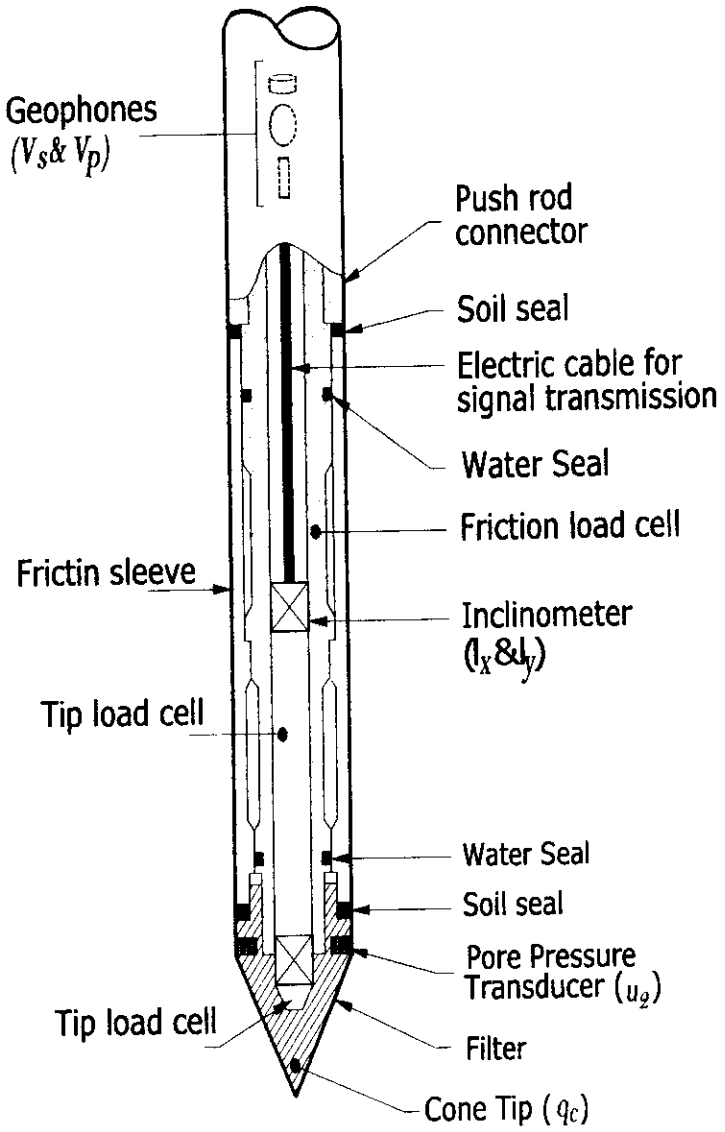


Figure CPT

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

Cone Penetration Test Data & Interpretation

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

Cohesive soils (clays)

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

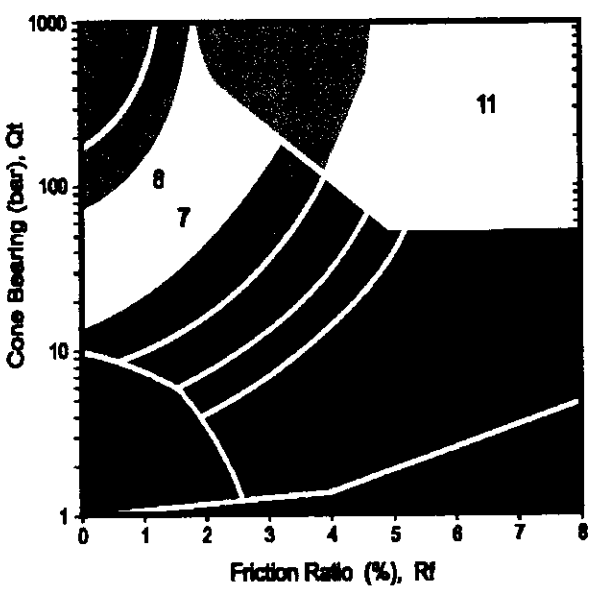
Cohesionless soils (sands)

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

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

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

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



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

*over consolidated or cemented

Figure SBT

Cone Penetration Test Sounding Summary

-Table 1-

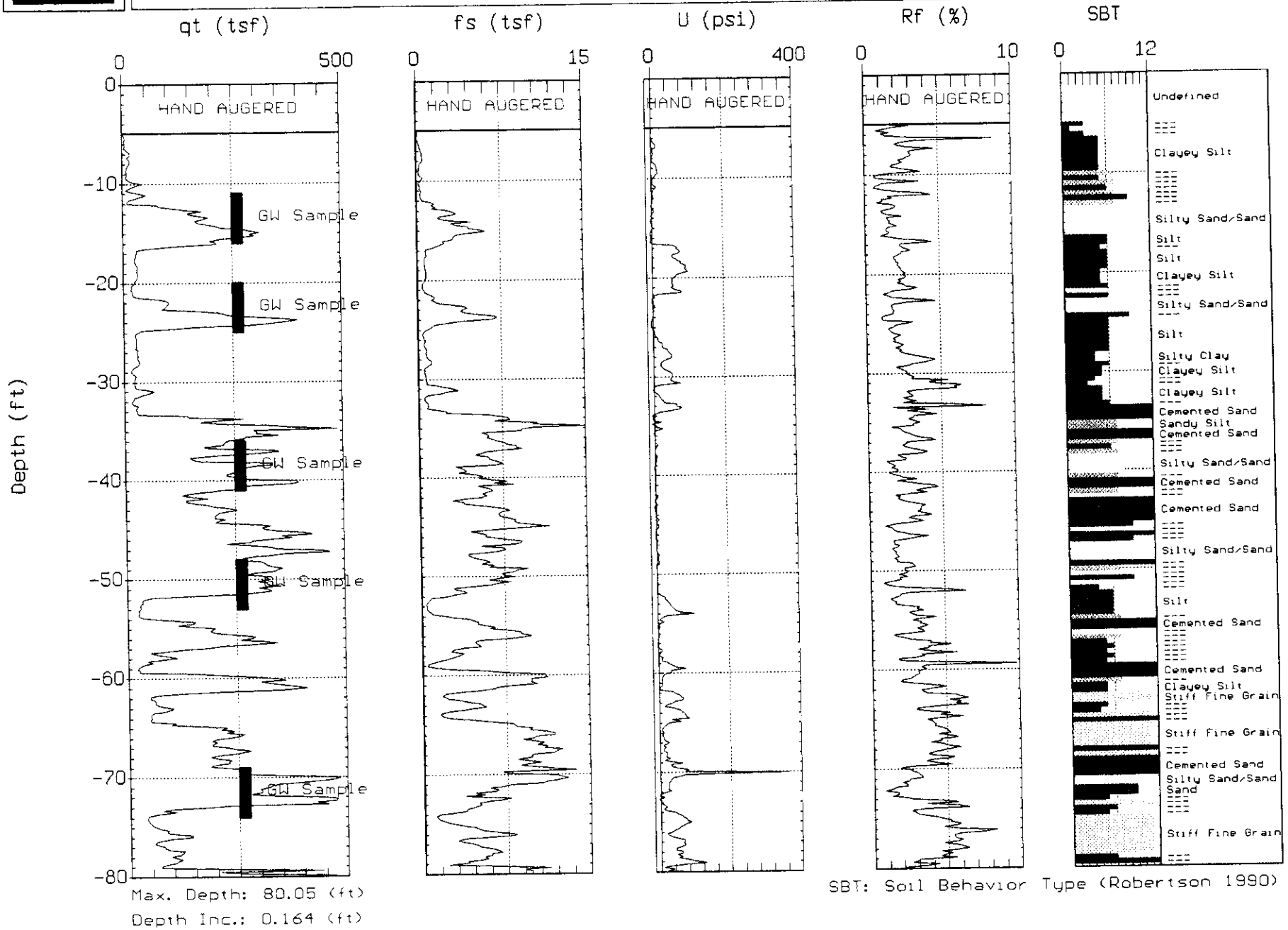
CPT Sounding Identification	Date	Termination Depth (Feet)	Depth of Groundwater Samples (ft)	Depth of Soil Samples (ft)	Depth of Pore Pressure Dissipation Tests (ft)
CPT-03	1/25	80	16/25/41/53/74	-	13.78/42.8/72.0

GREGG

CAMBRIA

Site: 255 DUTTON AVE
Location: CPT-03

Geologist: S. LEWIS
Date: 01:25:05 09:54



Max. Depth: 80.05 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX PPDT

Pore Pressure Dissipation Tests (PPDT)

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals measured hydrostatic water pressures and determined the approximate depth of the ground water table. A PPDT is conducted when the cone is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure (u) with time is measured behind the tip of the cone and recorded by a computer system.

Pore pressure dissipation data can be interpreted to provide estimates of:

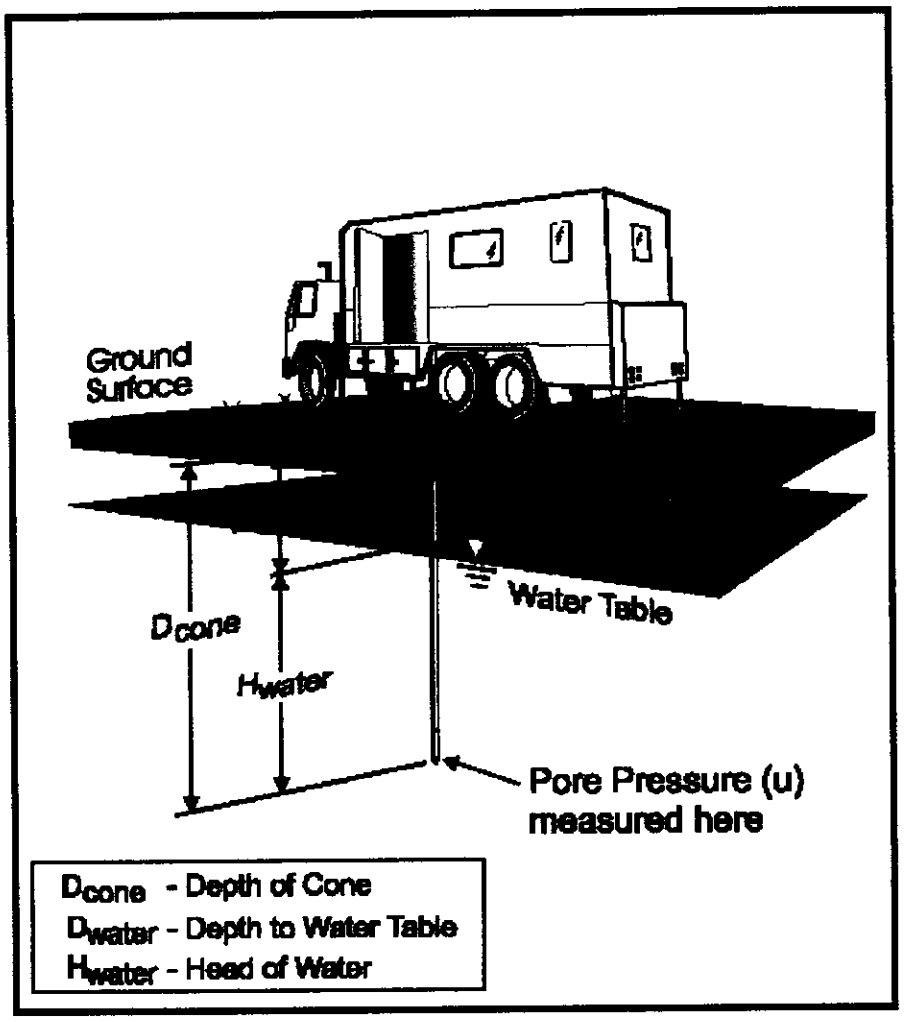
- Equilibrium piezometric pressure
- Phreatic Surface
- In situ horizontal coefficient of consolidation (c_h)
- In situ horizontal coefficient of permability (k_h)

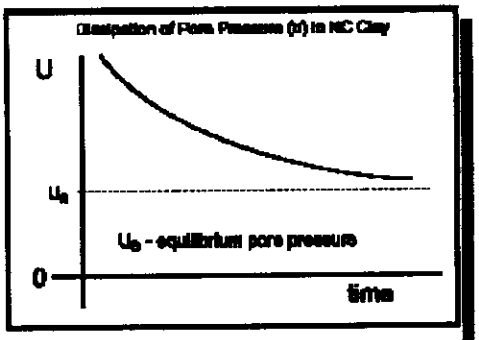
In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until such time as there is no variation in pore pressure with time (refer to Figure PPD). This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

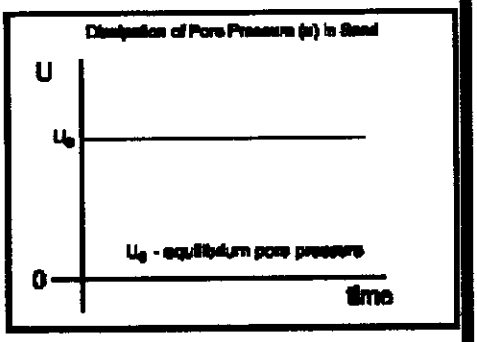
Interpretation of either c_h and k_h from dissipation results can be most easily achieved using either of two analytical approaches: cavity-expansion theory or the strain-path approach. Comparisons of the available solutions and results from field studies suggest that the cavity-expansion method of Torstensson (1977) and the strain-path approaches of Levadous (1980) and Teh (1987) all provide similar predications of consolidation parameters from CPTU dissipation data (Gillespie 1981; Kabir and Lutenegger 1990; Robertson et al. (1991). Robertson et al. (1991) have shown that these methods, although developed for normally consolidated soils, can be equally applied to overconsolidated soils. Furthermore, comparisons of field and laboratory data indicate that the trends in the measured (laboratory) and predicated (CPTU) data are consistent provided the micro fabric and nature of the soils being tested are taken into consideration. (Danziger 1990; Robertson et al. 1991).

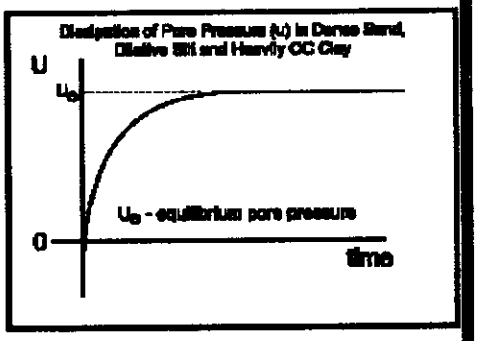
A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1991.

A summary of the pore pressure dissipation tests is summarized in Table 1.
Pore pressure dissipation data is presented in graphical form in Appendix PPDT.









Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors:

1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

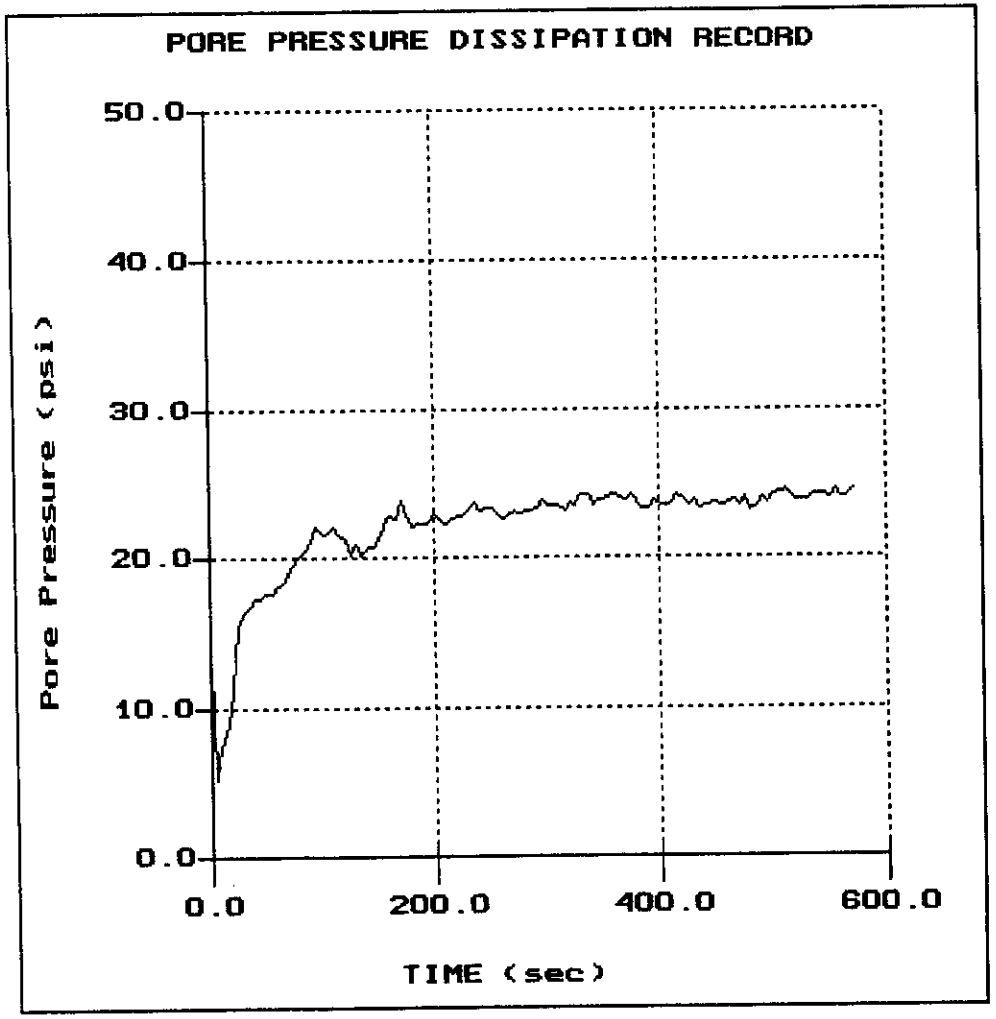
Figure PPD

CAMBRIA

Site: 255 DUTTON AVE
Location: CPT-03

Geologist: S. LEWIS
Date:01:25:05 09:54

File: 029C03.PPC
Depth (m): 21.95
(ft): 72.01
Duration : 570.0s
U-min: 5.15 5.0s
U-max: 24.50 570.0s

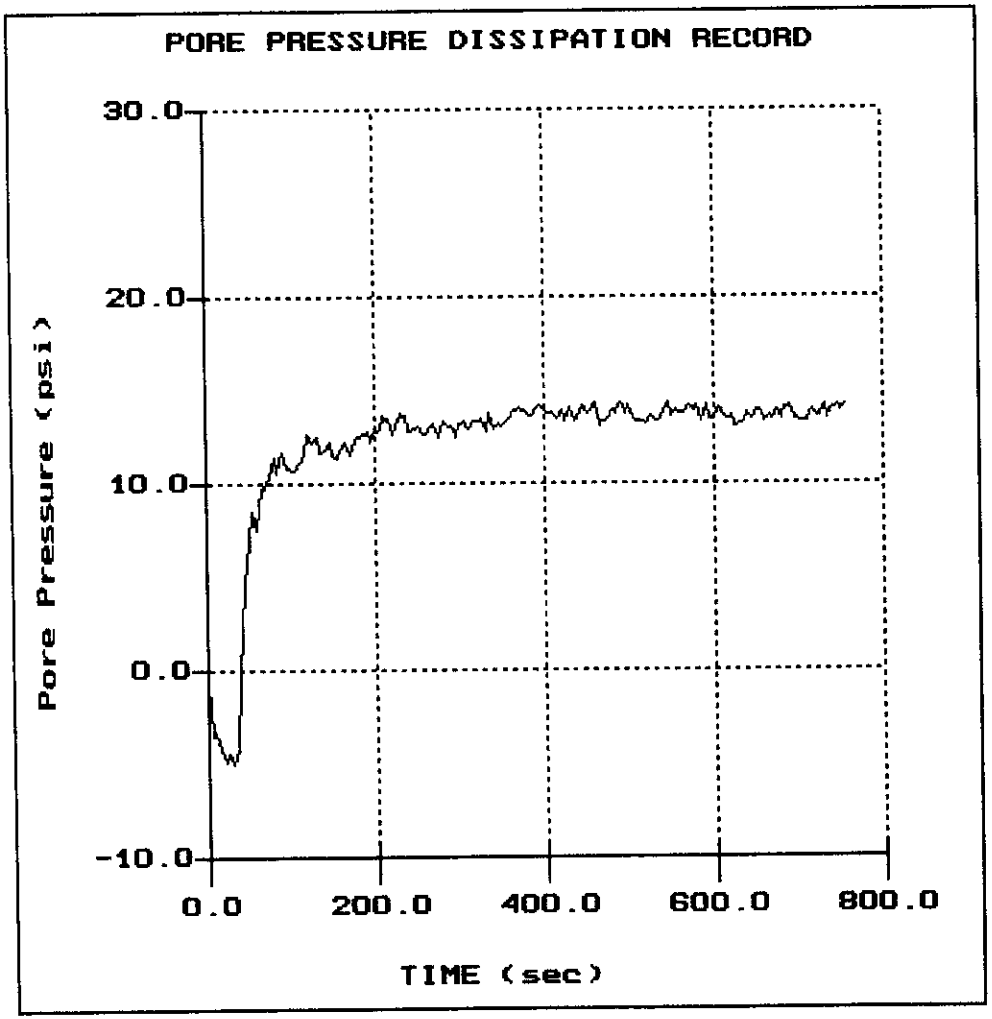


CAMBRIA

Site: 255 DUTTON AVE
Location: CPT-03

Geologist: S. LEWIS
Date:01:25:05 09:54

File: 029C03.PPC
Depth (m): 13.05
(ft): 42.81
Duration : 755.0s
U-min: -5.05 30.0s
U-max: 14.34 490.0s

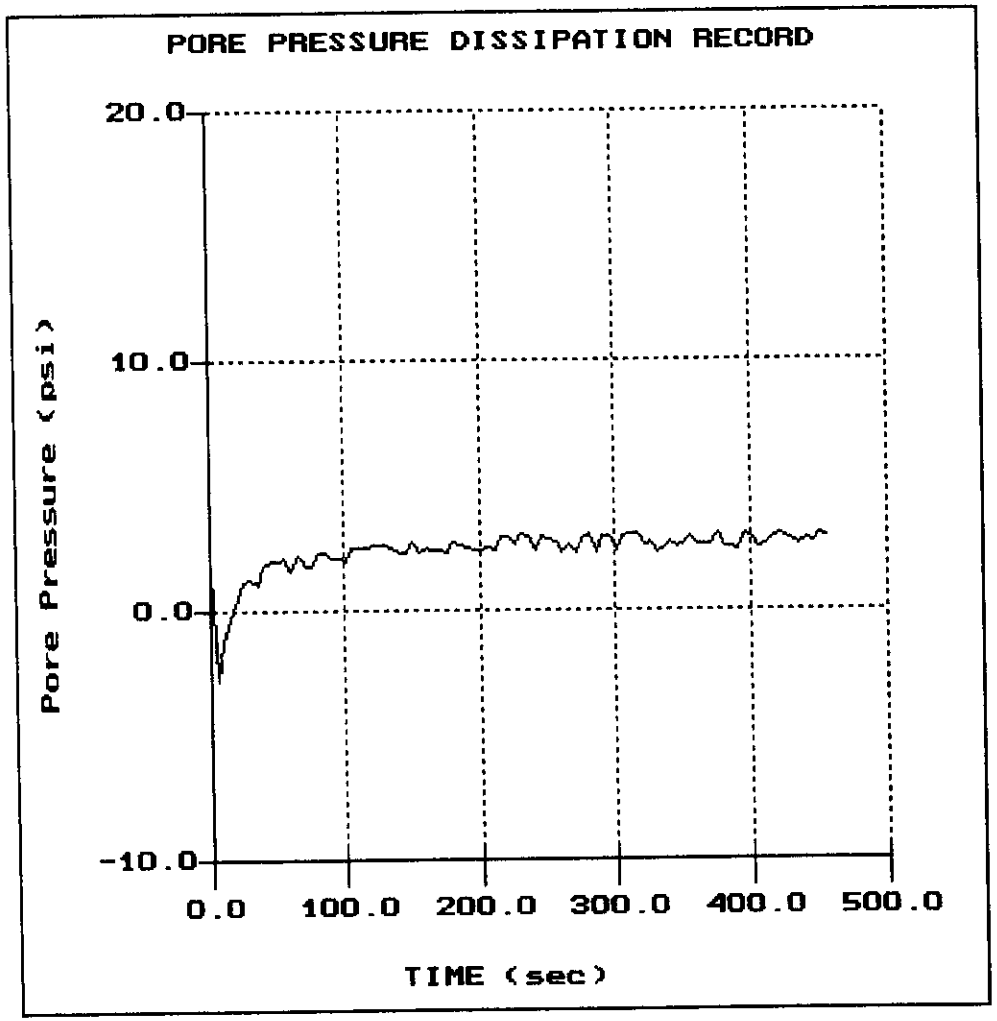


CAMBRIA

Site: 255 DUTTON AVE
Location: CPT-03

Geologist: S. LEWIS
Date:01:25:05 09:54

File: 029C03.PPC
Depth (m): 4.20
(ft): 13.78
Duration : 455.0s
U-min: -2.85 5.0s
U-max: 3.07 450.0s



Groundwater Sampling (GWS)

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

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

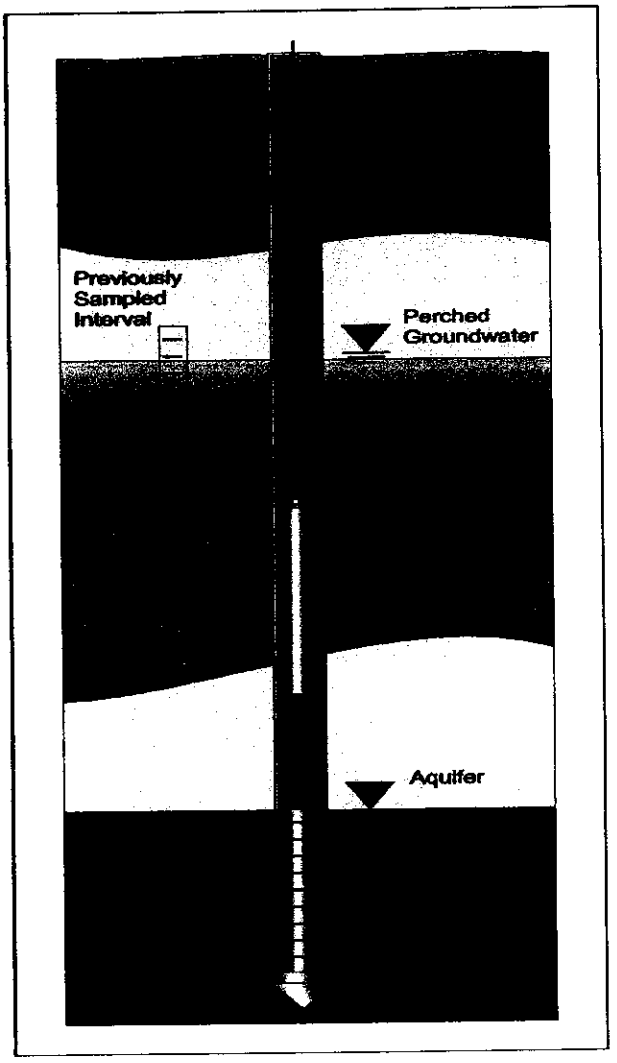


Figure GWS

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

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

Gregg In Situ Interpretations as of June 30, 2004 (Release 1.22A)

Gregg In Situ's interpretation routine provides a tabular output of geotechnical parameters based on current published CPT correlations and is subject to change to reflect the current state of practice. The interpreted values are not considered valid for all soil types. The interpretations are presented only as a guide for geotechnical use and should be carefully scrutinized for consideration in any geotechnical design. Reference to current literature is strongly recommended. Gregg In Situ does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the program and does not assume liability for any use of the results in any design or review. Representative hand calculations should be made for any parameter that is critical for design purposes. The end user of the interpreted output should also be fully aware of the techniques and the limitations of any method used in this program. The purpose of this document is to inform the user as to which methods were used and what the appropriate papers and/or publications are for further reference.

The CPT interpretations are based on values of tip, sleeve friction and pore pressure averaged over a user specified interval (e.g. 0.20m). Note that q_t is the tip resistance corrected for pore pressure effects and q_c is the recorded tip resistance. Since all Gregg In Situ cones have equal end area friction sleeves, pore pressure corrections to sleeve friction, f_s, are not required.

The tip correction is: $q_t = q_c + (1-a) \bullet u_2$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the cone (typically 0.85 for Gregg In Situ cones)

The total stress calculations are based on soil unit weights that have been assigned to the Soil Behavior Type zones, from a user defined unit weight profile or by using a single value throughout the profile. Effective vertical overburden stresses are calculated based on a hydrostatic distribution of equilibrium pore pressures below the water table or from a user defined equilibrium pore pressure profile (this can be obtained from CPT dissipation tests). For over water projects the effects of the column of water have been taken into account as has the appropriate unit weight of water. How this is done depends on where the instruments were zeroed (i.e. on deck or at mud line).

Details regarding the interpretation methods for all of the interpreted parameters are provided in Table 1. The appropriate references cited in Table 1 are listed in Table 2. Where methods are based on charts or techniques that are too complex to describe in this summary the user should refer to the cited material.

The estimated Soil Behavior Types (normalized and non-normalized) are based on the charts developed by Robertson and Campanella shown in Figures 1 and 2. The Bq classification charts are not reproduced in this document but can be reviewed in Lunne, Robertson and Powell (1997) or Robertson (1990).

Where the results of a calculation/interpretation are declared *'invalid'* the value will be represented by the text strings "-9999" or "-9999.0". In some cases the value 0 will be used. Invalid results will occur because of (and not limited to) one or a combination of:

1. Invalid or undefined CPT data (e.g. drilled out section or data gap).

2. Where the interpretation method is inappropriate, for example, drained parameters in an undrained material (and vice versa). The user must evaluate the site specific soil conditions and characteristics to properly apply the appropriate interpretation method.

3. Where interpretation input values are beyond the range of the referenced charts or specified limitations of the interpretation method.

4. Where pre-requisite or intermediate interpretation calculations are invalid.

The parameters selected for output from the program are often specific to a particular project. As such, not all of the interpreted parameters listed in Table 1 may be included in the output files delivered with this report.

The output files are in one format:

File Type	Typical Extensions	Description
Spreadsheet	XLS	IFI, NLI files exported directly to Excel format. Column and cell formatting has been done. Header information is exported to start in Column C allowing the depth columns A and/or B to be duplicated on each printed page without repetition of part of the header information.

Table 1
CPT Interpretation Methods

Interpreted Parameter	Description	Equation	Ref
Depth	Mid Layer Depth *(where interpretations are done at each point then Mid Layer Depth = Recorded Depth)*	*Depth (Layer Top) + Depth (Layer Bottom) / 2.0*	
Elevation	Elevation of Mid Layer based on sounding collar elevation supplied by client	Elevation = Collar Elevation – Depth	
Avgqc	Averaged recorded tip value (q_c)	$Avgqc = \frac{1}{n}\sum_{i=1}^{n} q_c$ *n=1 when interpretations are done at each point*	
Avgqt	Averaged corrected tip (q_t) where: $q_t = q_c + (1-a) \bullet u$	$Avgqt = \frac{1}{n}\sum_{i=1}^{n} q_t$ *n=1 when interpretations are done at each point*	
Avgfs	Averaged sleeve friction (f_s)	$Avgfs = \frac{1}{n}\sum_{i=1}^{n} fs$ *n=1 when interpretations are done at each point*	
AvgRf	Averaged friction ratio (Rf) where friction ratio is defined as: $Rf = 100\% \bullet \frac{fs}{qt}$	$AvgRf = 100\% \bullet \frac{Avgfs}{Avgqt}$ *n=1 when interpretations are done at each point*	
Avgu	Averaged dynamic pore pressure *(u)*	$Avgu = \frac{1}{n}\sum_{i=1}^{n} u_i$ *n=1 when interpretations are done at each point*	
AvgRes	Averaged Resistivity (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} RESISTIVITY_i$ *n=1 when interpretations are done at each point*	
AvgUVIF	Averaged UVIF ultra-violet induced fluorescence (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} UVIF_i$ *n=1 when interpretations are done at each point*	
AvgTemp	Averaged Temperature (this data is not always available since it is a specialized test)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} TEMPERATURE_i$ *n=1 when interpretations are done at each point*	

Interpreted Parameter	Description	Equation	Ref
AvgGamma	Averaged Gamma Counts (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} GAMMA$ *n=1 when interpretations are done at each point*	
SBT	Soil Behavior Type as defined by Robertson and Campanella	See Figure 1	2, 5
SBTn	Normalized Soil Behavior Type as defined by Robertson and Campanella	See Figure 2	2, 5
SBT-BQ	Non-normalized soil behavior type based on the Bq parameter	See Figure 5.7 (reference 5)	2, 5
SBT-BQn	Normalized Soil Behavior base on the Bq parameter	See Figure 5.8 (reference 5) or Figure 3 (reference 2)	2, 5
k	Coefficient of permeability (assigned to each SBT zone)		5
U.Wt.	Unit Weight of soil determined from one of the following user selectable options: 1) uniform value 2) value assigned to each SBT zone 3) user supplied unit weight profile	See references	5
T. Stress σ_v	Total vertical overburden stress at Mid Layer Depth. *A layer is defined as the averaging interval specified by the user. For data interpreted at each point the Mid Layer Depth is the same as the recorded depth.*	$TStress = \sum_{i=1}^{n} \gamma_i h_i$ where γ_i is layer unit weight h_i is layer thickness	
Ueq	Equilibrium pore pressure determined from one of the following user selectable options: 1) hydrostatic from water table depth 2) user supplied profile	For hydrostatic option: $u_{eq} = \gamma_w \bullet (D - D_{wt})$ where u_{eq} is equilibrium pore pressure γ_w is unit weight of water D is the current depth D_{wt} is the depth to the water table	
E. Stress σ_v'	Effective vertical overburden stress at Mid Layer Depth	$Estress = Tstress - u_{eq}$	
Cn	SPT N_{60} overburden correction factor	$Cn=(\sigma_v')^{-0.5}$ where σ_v' *is in tsf* $0.5 < C_n < 2.0$	
N_{60}	SPT N value at 60% energy calculated from qt/N ratios assigned to each SBT zone. This method has abrupt N value changes at zone boundaries.	*See Figure 1*	4, 5
$(N_1)_{60}$	SPT N_{60} value corrected for overburden pressure	$(N_1)_{60} = Cn \bullet N_{60}$	4
$N_{60}Ic$	SPT N_{60} values based on the Ic parameter	$(qt/pa)/ N_{60} = 8.5 (1 - Ic/4.6)$	5
$(N_1)_{60}Ic$	SPT N_{60} value corrected for overburden pressure (using N_{60} I_c) User has 2 options.	1) $(N_1)_{60}Ic = Cn \bullet (N_{60}Ic)$ 2) $q_{c1n}/ (N_1)_{60}Ic = 8.5 (1 - Ic/4.6)$	4 5
$(N_1)_{60cs}Ic$	Clean sand equivalent SPT $(N_1)_{60}Ic$. User has 3 options.	1) $(N_1)_{60cs}Ic = a + ß((N_1)_{60}Ic)$ 2) $(N_1)_{60cs}Ic = K_{SPT} * ((N_1)_{60}Ic)$ 3) $q_{c1ncs})/ (N_1)_{60cs}Ic = 8.5 (1 - Ic/4.6)$ FC = 5%: a = 0, ß=1.0 FC = 35% a = 5.0, ß=1.2 5% < FC < 35% $a = \exp[1.76 - (190/FC^2)]$ $ß = [0.99 + (FC^{1.5}/1000)]$	10 10 5

Interpreted Parameter	Description	Equation	Ref
Q_t	Normalized q_t for Soil Behavior Type classification as defined by Robertson, 1990	$Qt = \frac{qt - \sigma_v}{\sigma_v}$	2, 5
F_r	Normalized Friction Ratio for Soil Behavior Type classification as defined by Robertson, 1990	$Fr = 100\% \bullet \frac{fs}{qt - \sigma_v}$	2, 5
Bq	Pore pressure parameter	$Bq = \frac{\Delta u}{qt - \sigma_v}$ *where:* $\Delta u = u - u_{eq}$ *and* u = *dynamic pore pressure* u_{eq} = *equilibrium pore pressure*	1, 5
I_c	Soil index for estimating grain characteristics	$Ic = [(3.47 - \log_{10}Q)^2 + (\log_{10}Fr + 1.22)^2]^{0.5}$ *Where:* $Q = \left(\frac{qt - \sigma_v}{P_{a2}}\right)\left(\frac{P_a}{\sigma_v'}\right)^n$ *And* *Fr is in percent* P_a = *atmospheric pressure* P_{a2} = *atmospheric pressure* *n varies from 0.5 to 1.0 and is selected in an iterative manner based on the resulting* I_c	3, 8
FC	Apparent fines content (%)	$FC=1.75(Ic^{3.25}) - 3.7$ $FC=100$ *for* $Ic > 3.5$ $FC=0$ *for* $Ic < 1.26$ $FC = 5\%$ *if* $1.64 < Ic < 2.36$ *AND* $F_r<0.5$	3
Ic Zone	This parameter is the Soil Behavior Type zone based on the Ic parameter (valid for zones 2 through 7 on SBTn chart)	Ic < 1.31 Zone = 7 1.31 < Ic < 2.05 Zone = 6 2.05 < Ic < 2.60 Zone = 5 2.60 < Ic < 2.95 Zone = 4 2.95 < Ic < 3.60 Zone = 3 Ic > 3.60 Zone = 2	3
Dr	Relative Density determined from one of the following user selectable options: a) Ticino Sand b) Hokksund Sand c) Schmertmann 1976 d) Jamiolkowski - All Sands	See reference	5
PHI ϕ	Friction Angle determined from one of the following user selectable options: a) Campanella and Robertson b) Durgunoglu and Mitchel c) Janbu	See reference	5
State Parameter	The state parameter is used to describe whether a soil is contractive (SP is positive) or dilative (SP is negative) at large strains based on the work by Been and Jefferies	See reference	8, 6, 5
Es/qt	Intermediate parameter for calculating Youngs Modulus, E, in sands. It is the Y axis of the reference chart.	Based on Figure 5.59 in the reference	5

Interpreted Parameter	Description	Equation	Ref
Youngs Modulus E	Youngs Modulus based on the work by Baldi. There are three types of sands considered in this technique. The user selects the appropriate type for the site from: a) OC Sands b) Aged NC Sands c) Recent NC Sands Each sand type has a family of curves that depend on mean normal stress. The program calculates mean normal stress and linearly interpolates between the two extremes provided in Baldi's chart.	Mean normal stress is evaluated from: $\sigma'_m = \frac{1}{3} \bullet (\sigma'_v + \sigma'_h + \sigma'_h)$ where σ_v'= vertical effective stress σ_h'= horizontal effective stress and $\sigma_h = K_o * \sigma_v'$ with Ko assumed to be 0.5	5
Su	Undrained shear strength - N_{kt} is user selectable	$Su = \frac{qt - \sigma_v}{N_{kt}}$	1, 5
OCR	Over Consolidation Ratio	a) Based on Schmertmann's method involving a plot of $S_u/\sigma_v' / (S_u/\sigma_v')_{NC}$ and OCR where the Su/p' ratio for NC clay is user selectable	9

The following parameters are not presented but may be interpreted for use in liquefaction analysis. Further detailed interpretation may be completed by using the Liquefaction Spreadsheet following the committee recommendations of the NCEER. This Spreadsheet is available for purchase. A promotional document is presented in the Interpretations directory on the Data Disk with this report.

Interpreted Parameter	Description	Equation	Ref
q_{c1}	q_c normalized for overburden stress used for seismic analysis	$q_{c1} = q_c \bullet (Pa/\sigma_v')^{0.5}$ where: Pa = atm. Pressure q_c is in Mpa	3
q_{c1n}	q_{c1} in dimensionless form used for seismic analysis	$q_{c1n} = (q_{c1} / Pa)(Pa/\sigma_v')$ where: Pa = atm. Pressure and n ranges from 0.5 to 0.75 based on Ic.	3
K_{SPT}	Equivalent clean sand factor for $(N_1)60$	$K_{SPT} = 1 + ((0.75/30) * (FC - 5))$	10
K_{CPT}	Equivalent clean sand correction for q_{c1N}	$K_{qpt} = 1.0$ for $I_c \leq 1.64$ $K_{qpt} = f(I_c)$ for $I_c > 1.64$ (see reference)	10
q_{c1ncs}	Clean sand equivalent q_{c1n}	$q_{c1ncs} = q_{c1n} \bullet K_{qpt}$	3
CRR	Cyclic Resistance Ratio (for Magnitude 7.5)	$q_{c1ncs} < 50$: $CRR_{7.5} = 0.833\ [(q_{c1ncs}/1000] + 0.05$ $50 \leq q_{c1ncs} < 160$: $CRR_{7.5} = 93\ [(q_{c1ncs}/1000]^3 + 0.08$	10
CSR	Cyclic Stress Ratio	$CSR = (\tau_{av}/\sigma_v') = 0.65\ (a_{max} / g)\ (\sigma_v / \sigma_v')\ r_d$ $r_d = 1.0 - 0.00765\ z$ $z \leq 9.15m$ $r_d = 1.174 - 0.0267\ z$ $9.15 < z \leq 23m$ $r_d = 0.744 - 0.008\ z$ $23 < z \leq 30m$ $r_d = 0.50$ $z > 30m$	10
MSF	Magnitude Scaling Factor	See Reference	10
FofS	Factor of Safety against Liquefaction	$FS = (CRR_{7.5} / CSR)\ MSF$	10
Liquefaction Status	Statement indicating possible liquefaction	Takes into account FofS and limitations based I_c and q_{c1ncs}.	10

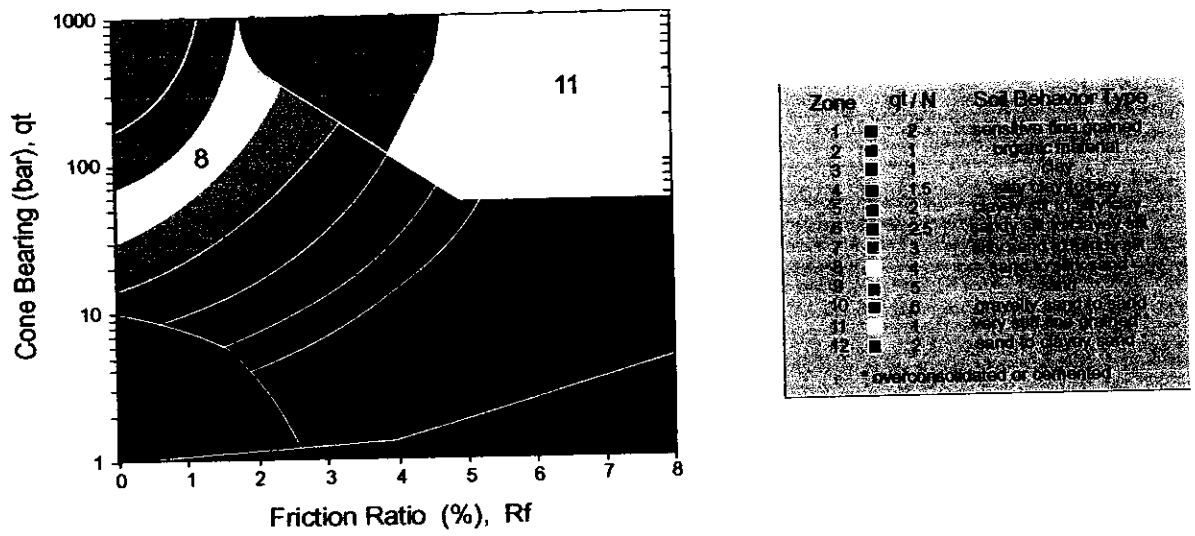


Figure 1 Non-Normalized Behavior Type Classification Chart

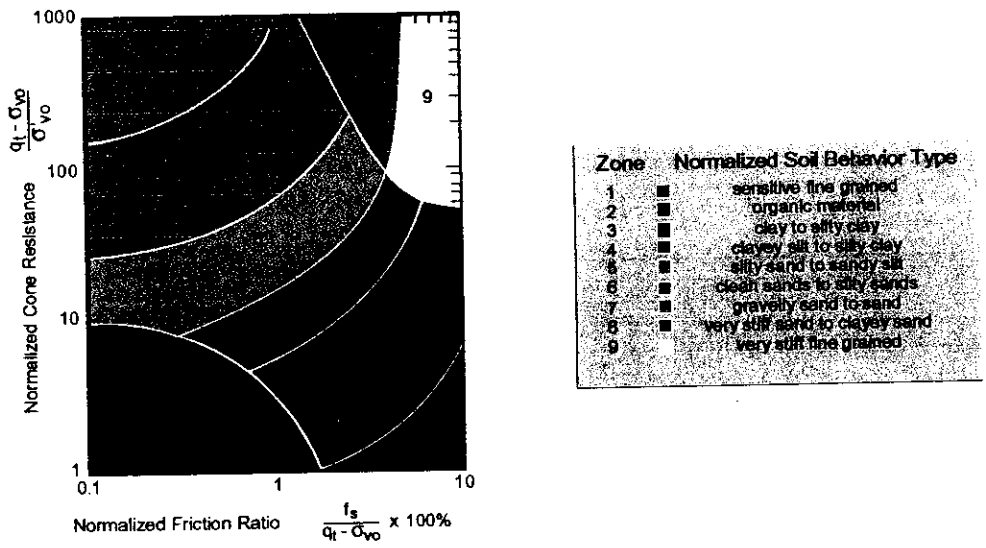


Figure 2 Normalized Behavior Type Classification Chart

Appendix C

Disposal Confirmation

MANLEY & SONS TRUCKING, INC.
ROCK
SAND
DEMO
FILL DIRT
TOP SOIL
CA 009430
(916) 381-6864

FAXED

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

Disposal Confirmation

Request for Transportation Received: 10/12/04

Consultant Information

Company:	Cambria Environmental
Contact:	Anne Wettstone
Phone:	707 933-2368
Fax:	707 935-6649

Site Information

Station #:	N/A
Street Address:	255 Dutton Ave
City, State, ZIP:	Santa Rosa, CA
Customer:	Shell Oil Company RESA-0023-LDC
RIPR #:	38435
SAP # / Location:	
Incident #:	98996133
Location / WIC #:	N/A
Environmental Engineer:	Denis Brown
Material Description:	Contaminated Soil
Estimated Quantity:	0.10 yards
Service Requested Date:	
Disposal Facility:	Forward Landfill
Contact:	Joe Griffith
Phone:	800 204-4242
Approval #:	4881
Date of Disposal:	10/18/04
Actual Tonnage	0.13
Transporter:	Manley & Sons Trucking, Inc.
Contact:	Janice Cox
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	
Date of Invoice:	

☐ Keller Canyon
Sanitary Landfill
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ Ox Mountain
Sanitary Landfill
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ Newby Island
Sanitary Landfill
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ Forward
Landfill
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: Equilon Enterprises, LLC
MAILING ADDRESS: P.O. Box 7869
CITY, STATE, ZIP: Burbank, CA 91510
PHONE: 707-933-2368
CONTACT PERSON: Anne Wettstone
SIGNATURE OF AUTHORIZED AGENT / TITLE: *
DATE: 10/18/04

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:
- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 255 Dutton Ave., Santa Rosa, CA

WASTE ACCEPTANCE NO.
— # 4881

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

RIPR # 38435 SAP#
Incident # 9896133 WIC #:

TRANSPORTER: Manley & Sons Trucking, Inc
ADDRESS: 8896 Elder Creek Rd
CITY, STATE, ZIP: Sacramento, CA 95828
PHONE: (916) 381-6864
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 10/18/04

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
6 TMC02	H-2

END DUMP ☐ BOTTOM DUMP ☐ TRANSFER ☐
ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *
DATE: 10/18/04

CUBIC YARDS: 18 Cubic Yards

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 214519

Transportation Service Request

Please complete and fax to Manley & Sons to schedule transport of material. If you have any questions please call.

		Billing Customer	
Request Date:	10/12/2004	Company	Shell Oil Products US
Consulting Company:	Cambria	Contact:	Denis Brown
Contact:	Anne Wettstone	Address:	
Phone:	707-933-2368	Phone:	707-865-0251
Fax:	707-935-6649	Fax:	707-865-2542

Transporter:	Manley & Sons Trucking, Inc.	Contact:	Janice Cox
	8896 Elder Creek Road	Phone:	916 381-6864
	Sacramento, CA 95828	Fax:	916 381-1573

RIPR #	38435	SAP #	NA
Incident #	98996133	Location / WIC #	

Site Address:	255 Dutton Avenue	Description:	Soil
	Santa Rosa, CA		(soil/water/ect)
		Quantity*	0.10 cubic yards
Nearest Cross:	Hwy-12 off ramp		(yards/drums/ect)

Disposal Site:	Forward Landfill	Approval #:	4881
Transportation Requested Date:	Within two weeks		

Miscellaneous Information: ~~There are two stockpiles onsite, please take both.~~

General Contractor On Site:	None	Office Phone:	NA
Contact Name:	NA	Cell Phone:	NA

Miscellaneous Site Information - For example – loading from stock pile, loading from hole, small site – no room, residential area, time restraints (how early can we start), site maps, etc.

Please be sure to notify if concrete is mixed in with soil!

Contractor Loading:

Manley Loading**: Loading from stockpile.

*It is crucial to have the closest estimate on quantity possible. If 100 yards are estimated and trucks are sent to transport 100 yards and there is only 25 yards – any trucks unable to get a load will be billed at an hourly rate.

**If possible Manley & Sons prefers to do the loading as our loader has a scale on it, which allows for maximum loads without danger of overloads when crossing commercial scales. If Manley does not load it is necessary to send our portable scale with an operator to check-weigh the trucks.

Logged
Zone 5 17.
Pmk ✓

MANLEY & SONS TRUCKING, INC.
ROCK
SAND
DEMO
FILL DIRT
TOP SOIL
CA009430
(916) 381-6864

Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

Disposal Confirmation

Request for Transportation Received: 10/12/04

Consultant Information

Company:	Cambria Environmental
Contact:	Anne Wettstone
Phone:	707 933-2368
Fax:	707 935-6649

Site Information

Station #:	N/A
Street Address:	255 Dutton Ave
City, State, ZIP:	Santa Rosa, CA

Customer:	Shell Oil Company	RESA-0023-LDC
RIPR #:	38435	
SAP # / Location:		
Incident #:	98996133	
Location / WIC #:	N/A	
Environmental Engineer:	Denis Brown	

Material Description:	Contaminated Soil
Estimated Quantity:	0.10 yards
Service Requested Date:	

Disposal Facility:	Forward Landfill
Contact:	Joe Griffith
Phone:	800 204-4242
Approval #:	4881
Date of Disposal:	10/18/04
Actual Tonnage	0.13

Transporter:	Manley & Sons Trucking, Inc.
Contact:	Janice Cox
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	
Date of Invoice:	

Transportation Service Request

Please complete and fax to Manley & Sons to schedule transport of material. If you have any questions please call.

		Billing Customer	
Request Date:	10/12/2004	Company	Shell Oil Products US
Consulting Company:	Cambria	Contact:	Denis Brown
Contact:	Anne Wettstone	Address:	
Phone:	707-933-2368	Phone:	707-865-0251
Fax:	707-935-6649	Fax:	707-865-2542

Transporter:	Manley & Sons Trucking, Inc. 8896 Elder Creek Road Sacramento, CA 95828	Contact: Phone: Fax:	Janice Cox 916 381-6864 916 381-1573

RIPR #	38435	SAP #	NA
Incident #	98996133	Location / WIC #	

Site Address:	255 Dutton Avenue Santa Rosa, CA	Description:	Soil (soil/water/ect)
Nearest Cross:	Hwy-12 off ramp	Quantity*	0.10 cubic yards (yards/drums/ect)

Disposal Site:	Forward Landfill	Approval #:	4881
Transportation Requested Date:	Within two weeks		

Miscellaneous Information: [redacted]

General Contractor On Site:	None	Office Phone:	NA
Contact Name:	NA	Cell Phone:	NA

Miscellaneous Site Information - For example – loading from stock pile, loading from hole, small site – no room, residential area, time restraints (how early can we start), site maps, etc.

Please be sure to notify if concrete is mixed in with soil!

Contractor Loading:

Manley Loading**: Loading from stockpile.

*It is crucial to have the closest estimate on quantity possible. If 100 yards are estimated and trucks are sent to transport 100 yards and there is only 25 yards – any trucks unable to get a load will be billed at an hourly rate.

**If possible Manley & Sons prefers to do the loading as our loader has a scale on it, which allows for maximum loads without danger of overloads when crossing commercial scales. If Manley does not load it is necessary to send our portable scale with an operator to check-weigh the trucks.

October 12, 2004

Cambria
270 Perkins Street
Sonoma, CA 95476

Attn: Ms. Wettstone

Re: Approval No. 4881
Gasoline Contaminated Soil
255 Dutton Ave. / RIPR #38435, SANTA ROSA

Dear Ms. Wettstone:

FORWARD INC. is pleased to inform you that the approximately 1 tons of Gasoline Contaminated Soil from the referenced site has been approved for acceptance at our Manteca, California Landfill as a Class 2 waste. This approval has been based on the information provided in the waste profile and associated materials submitted on behalf of Shell Oil Company (Generator). Acceptance of the waste is subject to regulatory requirements, and is also subject to the "Terms and Conditions" agreed to and signed by Generator in the waste profile.

Your approval number for this project will be 4881. This number should be used in all scheduling and correspondence with ***FORWARD, INC.*** regarding this waste profile.

This profile shall remain in effect until January 12, 2005, or until any significant changes in the waste stream occur. At that time, ***FORWARD, INC.*** will re-evaluate the profile, and current analytical data and requirements will be reviewed.

Please schedule all waste shipments with the Landfill (209-982-4298) at least 24 hours in advance. The landfills hours of operation are Monday through Friday 6:00 am to 6:00 pm for soil, 6:00 am to 3:00 pm for asbestos, 6:00 am to 5:00 pm for all other waste types.

Thank you for the opportunity to be of service. Should you have any questions, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

Allied Waste Industries

Brad J. Bonner
Special Waste Sales Manager
Northern, CA

BJB/ss

F:\FORWARD\MERGE FORMS\ACCEPT.DOC

FAX TRANSMITTAL

Date: October 12, 2004

Number of pages including cover sheet: 2

To: Anne Wettstone

Company: Cambria

Phone:

Fax phone: (707) 935-6649

CC:

From: Susan Randall

Sales Department

Forward, Inc.

P.O. Box 6336

Stockton, CA 95206

Phone: (209) 466-4482 Ext. 120

Fax (209) 466-1067

RE: Approval No. # 4881

REMARKS

Effective October 1, 2003 all loads must be scheduled prior to shipment by call the Landfill at (209) 982-4298. All loads that are not scheduled will not be allowed to dump. Please allow time for us to notify the landfill of acceptance of the material prior to scheduling (approx. 1/2 hour from receiving this Acceptance Letter.)

PLEASE CONTACT SUSAN AT (209) 466-4482 AT EXT. 120
IF YOU DO NOT RECEIVE ALL MATERIALS.

F:\FORWARD\MERGE FORMS\ACCEPT.DOC

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: Forward Landfill
an Allied Waste Company

Waste Profile #
AWI Sales Rep:
Date: 10/11/04

I. Generator Information

Generator Name: Shell Oil Products US			
Generator Site Address: 255 Dutton			
City: Santa Rosa	County: Sonoma	State: CA	Zip:
State ID/Reg No:	State Approval/Waste Code: (if applicable)		SIC Code:
Generator Mailing Address (if different): 20945 South Wilmington Avenue			
City: Carson	County:	State: CA	Zip: 90810
Generator Contact Name: Anne Wettstone			
Phone Number: 707-933-2366		Fax Number: 707-935-6649	

IIa. Transporter Information

Transporter Name: Manley & Sons Trucking		Contact Name: Janice	
Transporter Address: 8896 Elder Creek Road			
City: Sacramento	County: Sacramento	State: CA	Zip: 95828
Phone Number: 916-381-6864	Fax Number: 916-381-1573	State Transportation Number: 0009430	

IIb. Billing Information

Bill To: Shell Oil Products US		Contact Name: Denis Brown	
Billing Address: 20945 South Wilmington Avenue			
City: Carson	State: CA	Zip: 90810	Phone Number: 707-865-0251

III. Waste Stream Information

Name of Waste: Soil with Gasoline-Material is Non-Hazardous

Process Generating Waste: Soil Borings

Type of Waste ☐ INDUSTRIAL PROCESS WASTE or ☒ POLLUTION CONTROL WASTE

Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: _____:

Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: _____

Estimated Annual Volume: ☒ CUBIC YARDS: 0.10 ☐ TONS: _____ ☐ GALLONS _____ ☐ OTHER: _____

Frequency: ☒ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER:

Special Handling Instructions:

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?		☒ YES or ☐ NO
Sample Date: 9/24/04	Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE	
Laboratory: STL	Sample ID Numbers: SP-1 (A-D)	
Sampler's Employer: Cambria Environmental		
Sampler's Name (printed): Scott Lewis	Signature: for	

© Allied Waste, February 2001

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	
2.	
3.	
4.	
5.	

Color	Odor (describe)	Free Liquids	% Solids	pH:	Flash Point	Phenol
Brown	Gasoline	☐ YES or ☒ NO Content ____%	>50	NA	NA ☐F	NAppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☒ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☒ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☒ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

Anne Wettstone Staff Geologist
Authorized Representative Name And Title (Printed)

Cambria Environmental
Company Name

Authorized Representative Signature

10/11/04
Date

VII. Allied Waste Decision

Approved Rejected Expiration: _____

Conditions:

Name, Title Signature Date

© Allied Waste, February 2001

CAMBRIA

Fax

To: Joe

Company: Forward

Fax:

Phone:

From: Anne Wettstone

Phone: 707-933-2368

Pages: 3

Date: 10/11/04

Re: Profile for 255 Dutton, Santa Rosa

Hard Copy to Follow? Yes ☐ No ☐

Joe,

Please generate a profile #.

Thanks!

Anne

This fax transmittal is intended solely for use by the person or entity identified above. Any copying or distribution of this document by anyone other than the intended recipient is strictly prohibited. If you are not the intended recipient, please telephone us immediately and return the original transmittal to us at the address listed below.

Cambria Environmental Technology, Inc., 270 Perkins St., Sonoma, CA 95476
Tel (707) 935-4850 Fax (707) 935-6649

Wettstone, Anne

From: AWETTS [awetts@mail3.newcos.com]
Sent: Monday, October 11, 2004 3:52 PM
To: JWMARTIN1@SHELLOPUS.COM; DLBROWN@SHELLOPUS.COM; AWETTSTONE@CAMBRIA-ENV.COM; MMURPHY@CAMBRIA-ENV.COM
Subject: RPMP Mail Facility : RIPR Report

RESIDUAL INFORMATION PICK-UP REQUEST (RIPR)

Equilon Pipeline Company
P. O. Box 2648
Houston, Texas 77252-2648

RIPR Number: 38435
Date Submitted to CRMT: 10/11/2004

This form must be filled out completely and all required analysis attached. FAX to the Residual Disposal Coordinator for characterization and transportation of material.

RDC: JIM MARTIN
[email: JWMARTIN1@SHELLOPUS.COM, phone: 281-874-2238, fax: 281-874-2269]

SITE INFORMATION

Alliance Contact: BROWN, DENIS
Region/District/Area: RETAIL - PACIFIC NORTH Phone: 707/865-0251 Fax: 7078652542
Facility Address: 255 DUTTON AVE
City: SANTA ROSA State: CA Zip: 95407 County: SON

___ Non-Remediation (Tech Services)

SAP Cost Center # 136091
SAP Cost Element _
Other Info. (e.g., Facility ID #)

OR

_X_ Remediation (S&E Only)

S&E Incident #: 98996133
SAP Cost Element: 276501
Other Info. (e.g., LPST ID #, Facility ID#)
_NO_ Direct Pay / Alternative Funding:
_NO_ Reimbursement Invoice Copies To:

CONSULTANT/CONTRACTOR INFORMATION

Company Name: CAMBRIA ENVIRONMENTAL TECH

Address: 270 PERKINS ST
City: SONOMA State: CA Zip: 95476
Contact: WETTSTONE, ANNE Phone: 707-933-2368 Fax: 0

Do you want standard pickup? YES
If no, specify date: time (if necessary):

Is the site in operation? YES If no, is it locked?
Is the residual accessible? YES If no, explain:

What type of facility is currently on the site? SHELL
For bulk shipments, who will supply loader? TRANSPORTER

S&E Environmental Incident # (Remediation) 98996133

RESIDUAL INFORMATION

Material Description: SOIL WITH GASOLINE-MATERIAL IS NON-HAZARDOUS.
Free Liquids? NO
Process for generating this residual: SOIL BORINGS.
Accumulation Date: 9/24/2004 Sampling Date (if applicable): 9/24/2004

Type of container:

Drums Quantity: 0 Type:
Drum ID #s:
Bins Quantity: 0 Size:
Bin Supplied By:
Bulk pile: YES
Size: 0.1 CUBIC YARDS (estimated cubic yards)
Other (Frac Tank, AST, UST):

Residual inspection to be handled by: CONSULTANT
Requirements/conditions associated with pick-up:
Comments and/or suggestions for local vendor: STOCKPILE IS LOCATED IN THE BACK CORNER OF THE NEAR THE TRASH ENCLOSURE.

Form filled out by: LEWIS , SCOTT Date: 9/27/2004
Phone: 707/933-2369 Fax: 7079356649
Email Address: SLEWIS@CAMBRIA-ENV.COM

NOTE: IF VERIFICATION FORM IS NOT RECEIVED BY CONTACT WITHIN FIVE (5) DAYS OF SUBMITTAL, NOTIFY RDC OR OTHER CRMT REPRESENTATIVE.

Appendix D

Blaine Tech Service Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 16, 2004

Denis Brown
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Monitoring performed on August 25, 2004

Groundwater Monitoring Report **040825-DA-2**

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

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

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

SAN JOSE 1680 ROGERS AVENUE SAN JOSE, CA 95112-1105 (408) 573-0555
SACRAMENTO FAX (408) 573-7771
LOS ANGELES LIC. 746684
SAN DIEGO www.blainetech.com

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,

Josh Kerns
Project Coordinator

JK/ks

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	4/24/1989	8,600	4,300	3,600	2,700	640	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	8/18/1989	20,000	6,300	3,800	1,800	390	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	11/2/1989	16,000	4,400	740	570	48	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	2/22/1990	51,000	12,000	11,000	9,900	1,700	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	5/4/1990	48,000	9,800	5,000	3,900	920	6,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	8/15/1990	33,000	2,400	5,100	2,600	800	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	11/7/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.95	NA	133.97	0.01	NA
MW-1	3/7/1991	130,000	7,900	15,000	22,000	2,700	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.13	NA	140.79	NA	NA
MW-1	6/5/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	9.44	NA	136.48	0.02	NA
MW-1	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	10.85	NA	135.07	0.02	NA
MW-1	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.53	NA	134.39	0.02	NA
MW-1	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	10.87	NA	135.05	0.02	NA
MW-1	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.65	NA	138.27	0.01	NA
MW-1	8/25/1992	53,000	8,300	7,200	3,700	1,500	8,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.56	NA	134.36	NA	NA
MW-1	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	12.70	NA	133.22	NA	NA
MW-1	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	12.85	NA	133.07	NA	NA
MW-1	11/27/1992	70,000	120,000	4,100	3,100	1,200	6,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.97	NA	133.95	NA	NA
MW-1	12/21/1992	98,000	24,000	9,400	8,400	2,100	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.41	NA	138.51	NA	NA
MW-1	2/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	4.11	NA	141.81	NA	NA
MW-1	5/21/1993	56,000	14,000	12,000	6,700	1,700	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	8.77	NA	137.15	NA	NA
MW-1	8/3/1993	66,000	41,000	8,500	6,400	1,700	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	10.87	NA	135.05	NA	NA
MW-1	11/16/1993	69,000	11,000	8,500	5,700	1,800	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	12.35	NA	133.57	NA	NA
MW-1	2/16/1994	69,000	9,300	9,300	6,500	1,400	8,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.99	NA	137.93	NA	NA
MW-1	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	8.97	NA	136.95	NA	NA
MW-1	8/17/1994	90,000	18,000	16,000	6,900	1,600	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.95	NA	133.97	NA	NA
MW-1	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.00	NA	138.92	NA	NA
MW-1	2/14/1995	300,000	21,000 a	8,600	23,000	7,900	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	6.28	NA	139.64	NA	NA
MW-1	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.12	NA	140.80	NA	NA
MW-1	9/8/1995	83,000 c	15,000	11,000	3,200	2,000	9,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.93	NA	133.99	NA	NA
MW-1	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	13.00	NA	132.92	NA	NA
MW-1	2/22/1996	75,000	12,000	11,000	5,100	1,500	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	2.84	NA	143.08	NA	NA
MW-1 (D)	2/22/1996	66,000	NA	9,700	4,400	1,400	9,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	2.84	NA	143.08	NA	NA
MW-1	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.36	NA	138.56	NA	NA
MW-1	8/27/1996	68,000	4,700 a	10,000	2,500	1,600	8,300	28,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.43	NA	134.49	NA	NA
MW-1	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	12.40	NA	133.52	NA	NA
MW-1	2/26/1997	116,000	27,900 a	14,000	6,600	1,800	12,000	47,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.15	NA	140.77	NA	NA
MW-1 (D)	2/26/1997	133,000	24,000 a	13,000	7,500	2,100	13,000	43,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.15	NA	140.77	NA	NA
MW-1	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	10.24	NA	135.68	NA	NA
MW-1	8/11/1997	79,000	2,300 a	8,100	410	1,000	3,900	36,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	13.04	NA	132.88	NA	NA
MW-1	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	6.02	NA	139.90	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	2/10/1998	97,000	16,000 a,d,e	11,000	3,200	1,800	11,000	68,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	2.45	NA	143.47	NA	NA
MW-1 (D)	2/10/1998	93,000	144,000 a,d,e	11,000	3,300	1,700	11,000	57,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	2.45	NA	143.47	NA	NA
MW-1	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	3.28	NA	142.64	NA	NA
MW-1	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	6.97	NA	138.95	NA	NA
MW-1	08/19/1998	78,000	29,000	12,000	4,000	1,500	11,000	69,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.27	NA	134.65	NA	2.3
MW-1	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	7.00	NA	138.92	NA	NA
MW-1	2/16/1999	69,800	5,770	13,400	3,520	1,620	9,250	74,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	9.53	NA	136.39	NA	1.8
MW-1	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	9.78	NA	136.14	NA	NA
MW-1	8/4/1999	49,500	11,100 a	7,620	1,390	1,460	7,570	66,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.08	NA	134.84	NA	2.0
MW-1	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.21	NA	134.71	NA	NA
MW-1	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	NA
MW-1	1/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	14.18	NA	131.74	NA	NA
MW-1	2/8/2000	67,100	30,100 a	10,200	3,610	1,660	9,980	41,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.89	NA	140.03	NA	1.1/3.6
MW-1	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	5.13	NA	140.79	NA	f
MW-1	8/15/2000	37,000	6,790	8,820	1,460	1,150	4,330	39,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	8.61	NA	137.31	NA	1.9/3.3
MW-1	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.21	NA	134.71	NA	NA
MW-1	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	8.73	NA	137.19	NA	NA
MW-1	2/2/2001	48,900	4,560	7,960	1,330	1,110	6,240	43,600	52,200	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	1.4/3.1
MW-1	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	9.26	NA	136.66	NA	NA
MW-1	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	11.90	NA	134.02	NA	NA
MW-1	8/29/2001	21,000	1,600	1,000	220	540	1,800	NA	30,000	NA	NA	NA	NA	NA	NA	NA	NA	145.92	NA	NA	NA	NA	1.1/2.9
MW-1	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.92	12.18	NA	133.74	NA	NA
MW-1	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	12.79	NA	133.15	NA	NA
MW-1	11/13/2001	110,000	<8,000	4,200	600	1,000	4,500	NA	49,000	<50	<50	<50	14,000	<20,000	<500	<50	<50	145.94	9.92	NA	136.02	NA	0.8/4.5
MW-1	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	5.19	NA	140.75	NA	NA
MW-1	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	3.51	NA	142.43	NA	NA
MW-01	2/12/2002	57,000	<8,600	7,100	1,700	1,400	7,400	NA	53,000	<100	<100	<100	10,000	<11,000	<1,000	<100	<100	145.94	4.98	NA	140.96	NA	1.9/1.4
MW-01	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	5.27	NA	140.67	NA	NA
MW-01	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	7.60	NA	138.34	NA	NA
MW-01	5/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	9.38	NA	136.56	NA	NA
MW-01	5/15/2002	43,000	<3,500	4,000	800	1,200	5,400	NA	36,000	<100	<100	<100	7,200	<10,000	<1,000	<100	<100	145.94	NA	NA	NA	NA	1.6/1.0
MW-01	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	10.70	NA	135.24	NA	NA
MW-01	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	15.42	NA	130.52	NA	NA
MW-01	8/13/2002	44,000	<10,000	2,800	590	1,300	4,900	NA	31,000	<100	<100	<100	7,800	<13,000	<1,000	<100	<100	145.94	12.55	NA	133.39	NA	1.0/1.5
MW-1	12/02/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	12.66	NA	133.28	NA	NA
MW-1	12/3/2002	37,000	<64,000	1,900	600	860	4,700	NA	24,000	<100	<100	<100	9,600	<10,000	<1,000	<100	<100	145.94	NA	NA	NA	NA	NA
MW-1	2/19/2003	70,000	<8,500	8,700	2,400	1,600	8,500	NA	43,000	NA	NA	NA	NA	NA	NA	NA	NA	145.94	4.56	NA	141.38	NA	NA
MW-1	5/13/2003	56,000	<10,000	4,400	1,600	1,300	6,700	NA	30,000	NA	NA	NA	11,000	NA	NA	NA	NA	145.94	5.45	NA	140.49	NA	NA
MW-1	8/6/2003	2,200,000	47,000 a	4,600	2,200	8,300	50,000	NA	16,000	NA	NA	NA	19,000	NA	NA	NA	NA	145.94	10.65	NA	135.29	NA	NA
MW-1	11/3/2003	35,000	<6,000	2,600	460	800	3,400	NA	10,000	NA	NA	NA	11,000	NA	NA	NA	NA	145.94	12.65	NA	133.29	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-1	11/25/2003	56,000	6,300 a	3,200	700	910	4,100	NA	13,000	NA	NA	NA	13,000	NA	NA	NA	NA	145.94	12.70	NA	133.24	NA	NA
MW-1	3/2/2004	54,000	5,500 a	8,200	2,100	1,800	10,000	NA	36,000	NA	NA	NA	9,500	NA	NA	<250	NA	145.94	4.64	NA	141.30	NA	NA
MW-1	5/24/2004	<500	610 a	<5.0	<5.0	<5.0	<10	NA	470	NA	NA	NA	1,300	NA	NA	NA	NA	145.94	7.79	NA	138.15	NA	NA
MW-1	**8/25/2004**	**46,000**	**6,100 k**	**2,500**	**650**	**1,400**	**6,300**	**NA**	**8,200**	**<100**	**<100**	**<100**	**11,000**	**NA**	**NA**	**NA**	**NA**	**146.36 j**	**13.55**	**NA**	**132.81**	**NA**	**NA**
MW-1DZ	2/19/2003	<500	350	<5.0	<5.0	<5.0	<5.0	NA	2,000	NA	NA	NA	NA	NA	NA	<5.0	NA	148.67	7.40	NA	141.27	NA	NA
MW-1DZ	5/13/2003	330	1,800	11	<0.50	<0.50	<0.50	NA	2,200	NA	NA	NA	NA	NA	NA	NA	NA	148.67	8.72	NA	139.95	NA	NA
MW-1DZ	8/6/2003	<1,000	460 a	12	<10	<10	<20	NA	3,100	NA	NA	NA	420	NA	NA	NA	NA	148.67	14.55	NA	134.12	NA	NA
MW-1DZ	11/25/2003	<2,000	730 a	<20	<20	<20	<40	NA	1,700	NA	NA	NA	1,400	NA	NA	NA	NA	148.67	16.10	NA	132.57	NA	NA
MW-1DZ	3/2/2004	<1,000	620 a	<10	<10	<10	<20	NA	980	NA	NA	NA	1,100	NA	NA	<10	NA	148.67	6.34	NA	142.33	NA	NA
MW-1DZ	5/24/2004	99,000	5,800 a	7,300	1,600	1,400	11,000	NA	20,000	NA	NA	NA	12,000	NA	NA	NA	NA	148.67	13.60	NA	135.07	NA	NA
MW-1DZ	7/21/2004	<500	830 a	<5.0	<5.0	<5.0	<10	NA	410	NA	NA	NA	1,100	NA	NA	NA	NA	148.67	15.74	NA	132.93	NA	NA
MW-1DZ	**8/25/2004**	**<250**	**550 a**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**350**	**NA**	**NA**	**NA**	**1,300**	**NA**	**NA**	**NA**	**NA**	**148.67**	**16.60**	**NA**	**132.07**	**NA**	**NA**
MW-2	4/26/1989	39,000	13,000	12,000	12,000	1,700	8,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	8/17/1989	49,000	10,000	9,200	6,500	95	5,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	11/2/1989	68,000	13,000	3,700	3,000	1,800	4,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	2/22/1990	84,000	9,600	16,000	10,000	2,000	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	5/3/1990	56,000	16,000	12,000	10,000	1,400	9,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	8/14/1990	65,000	3,000	13,000	7,200	2,100	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-2	11/7/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.48	NA	134.29	0.02	NA
MW-2	3/7/1991	57,000	2,700	9,200	6,000	1,900	9,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.27	NA	141.50	NA	NA
MW-2	6/5/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.59	NA	137.18	0.03	NA
MW-2	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.42	NA	135.35	0.04	NA
MW-2	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.29	NA	135.48	0.02	NA
MW-2	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.73	NA	136.04	0.02	NA
MW-2	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.49	NA	138.28	0.01	NA
MW-2	8/25/1992	47,000	14,000	8,700	3,000	1,900	6,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.31	NA	134.46	NA	NA
MW-2	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.52	NA	134.25	NA	NA
MW-2	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.29	NA	133.48	0.02	NA
MW-2	11/27/1992	73,000	46,000	7,100	2,600	1,200	5,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.62	NA	135.15	NA	NA
MW-2	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.61	NA	140.16	NA	NA
MW-2	2/11/1993	47,000	11,000	6,600	2,600	1,500	7,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	5.45	NA	142.32	NA	NA
MW-2	5/21/1993	17,000	11,000	3,400	910	990	4,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.59	NA	137.18	NA	NA
MW-2	8/3/1993	650,000	1,100,000	4,000	3,500	1,900	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.48	NA	135.29	NA	NA
MW-2	11/16/1993	33,000	120,000	3,800	1,300	1,100	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.79	NA	133.98	NA	NA
MW-2	2/16/1994	32,000	31,000	2,900	1,500	1,100	4,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.79	NA	139.98	NA	NA
MW-2	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.44	NA	138.33	NA	NA
MW-2	8/17/1994	130,000	540,000	1,500	1,300	1,400	9,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.30	NA	134.47	NA	NA
MW-2	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.20	NA	140.57	NA	NA

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MW-2	2/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	5.01	NA	142.77	0.01	NA
MW-2	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.46	NA	140.33	0.02	NA
MW-2	9/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.05	NA	134.80	0.10	NA
MW-2	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.89	NA	133.94	0.08	NA
MW-2	2/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	4.29	NA	143.49	0.01	NA
MW-2	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.81	NA	139.96	NA	NA
MW-2	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.18	NA	135.59	0.02	NA
MW-2	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.06	NA	134.73	0.02	NA
MW-2	2/26/1997	31,000	34,000 a	350	290	820	2,800	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.21	NA	141.56	NA	NA
MW-2	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.05	NA	136.73	0.01	NA
MW-2	8/11/1997	160,000	30,000 a	360	560	3,100	2,600	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.34	NA	134.43	NA	NA
MW-2 (D)	8/11/1997	61,000	24,000 a	280	460	1,500	2,300	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.34	NA	134.43	NA	NA
MW-2	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.10	NA	141.67	NA	NA
MW-2	2/10/1998	23,000	21,000 a,e	300	390	960	2,600	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	3.25	NA	144.52	NA	NA
MW-2	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	3.00	NA	144.78	0.01	NA
MW-2	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	8.55	NA	139.24	0.02	NA
MW-2	08/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.48	NA	134.35	0.07	NA
MW-2	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.31	NA	137.54	0.10	NA
MW-2	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.50	NA	136.27	NA	NA
MW-2	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.05	NA	137.72	NA	NA
MW-2	8/4/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.24	13.21	134.55	0.03	NA
MW-2	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.40	NA	134.37	NA	NA
MW-2	10/26/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.89	14.75	132.99	0.14	NA
MW-2	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.82	11.80	135.97	0.02	NA
MW-2	12/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.90	NA	135.87	NA	NA
MW-2	1/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.40	NA	134.37	NA	NA
MW-2	2/8/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.62	7.59	140.17	0.03	NA
MW-2	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	4.57	4.55	143.22	0.02	NA
MW-2	4/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.36	6.34	141.43	0.02	NA
MW-2	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.92	7.89	139.87	0.03	NA
MW-2	6/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	8.91	8.89	138.88	0.02	NA
MW-2	7/6/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.92	NA	137.85	NA	NA
MW-2	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.61	10.58	137.18	0.03	NA
MW-2	9/21/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.88	11.87	135.90	0.01	NA
MW-2	10/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.47	13.41	134.35	0.06	NA
MW-2	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.46	NA	135.31	NA	NA
MW-2	12/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.67	12.66	135.11	0.01	NA
MW-2	1/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.75	NA	135.02	NA	NA
MW-2	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.00	8.94	138.82	0.06	NA
MW-2	3/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.05	6.04	141.73	0.01	NA

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MW-2	4/9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.65	NA	136.12	NA	NA
MW-2	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.43	9.39	138.37	0.04	NA
MW-2	6/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.71	12.70	135.07	0.01	NA
MW-2	7/26/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.03	13.02	134.75	0.01	NA
MW-2	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.13	14.09	133.67	0.04	NA
MW-2	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.29	13.28	134.49	0.01	NA
MW-2	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	14.15	14.05	133.73	0.10	NA
MW-2	11/13/2001	4,900	<5,000	19	31	180	560	NA	3.5	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.80	8.85	NA	138.95	NA	1.0/2.2
MW-2	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	6.09	NA	141.71	NA	NA
MW-2	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	5.00	4.99	142.81	0.01	NA
MW-02	2/12/2002	10,000	4,600	77	230	600	1,300	NA	17	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.80	6.27	NA	141.53	NA	2.6/2.8
MW-02	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	6.42	NA	141.38	NA	NA
MW-02	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	9.76	NA	138.04	NA	NA
MW-02	5/14/2002	9,000	20,000	12	72	320	930	NA	3.3	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.80	10.82	NA	136.98	NA	0.8/0.7
MW-02	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	11.50	NA	136.30	NA	NA
MW-02	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	13.61	13.38	134.37	0.23	NA
MW-02	8/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	14.34	14.11	133.64	0.23	NA
MW-2	12/02/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	14.24	14.09	133.68	0.15	NA
MW-2	2/19/2003	23,000	15,000	64	180	850	3,100	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	147.80	5.55	NA	142.25	NA	NA
MW-2	5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	6.47	6.44	141.35	0.03	NA
MW-2	8/6/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	12.68	12.29	135.43	0.39	NA
MW-2	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	14.78	14.25	133.44	0.53	NA
MW-2	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	6.18	5.86	141.88	0.32	NA
MW-2	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.80	11.60	11.50	136.28	0.10	NA
MW-2	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**147.80**	**15.21**	**14.80**	**132.92**	**0.41**	**NA**
MW-3	4/25/1989	33,000	7,600	5,000	3,400	920	4,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	8/17/1989	23,000	3,900	4,400	1,200	<1.5	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	11/2/1989	27,000	5,700	780	560	380	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	2/22/1990	38,000	8,000	4,600	2,700	760	5,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	5/4/1990	24,000	4,900	3,400	1,500	270	2,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	8/15/1990	23,000	1,700	3,100	610	450	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	NA	NA	NA	NA	NA
MW-3	11/7/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	15.99	NA	133.66	3.71	NA
MW-3	3/7/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	5.67	NA	141.11	0.12	NA
MW-3	6/5/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	10.25	NA	136.57	0.18	NA
MW-3	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.14	NA	134.67	0.16	NA
MW-3	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.05	NA	134.77	0.17	NA
MW-3	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	10.86	NA	136.03	0.26	NA
MW-3	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	8.99	NA	137.70	0.01	NA
MW-3	8/25/1992	43,000	16,000	3,000	870	550	3,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.72	NA	133.96	NA	NA

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.07	NA	133.61	NA	NA
MW-3	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.47	NA	133.21	NA	NA
MW-3	11/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	11.34	NA	135.34	<0.01	NA
MW-3	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	7.70	NA	138.98	NA	NA
MW-3	2/11/1993	100,000	53,000	4,900	6,800	980	7,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	4.47	NA	142.21	NA	NA
MW-3	5/21/1993	27,000	3,500	4,300	2,000	1,100	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	9.54	NA	137.14	NA	NA
MW-3	8/3/1993	49,000	18,000	3,600	1,700	1,300	7,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	11.68	NA	135.00	NA	NA
MW-3	11/16/1993	30,000	150,000	2,800	1,300	7,100	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.41	NA	133.27	NA	NA
MW-3	2/16/1994	45,000	3,900	4,000	2,400	1,100	5,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	8.03	NA	138.65	NA	NA
MW-3	5/18/1994	40,000	8,900	4,500	1,300	980	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	9.97	NA	136.71	NA	NA
MW-3	8/17/1994	130,000	97,000	5,100	4,100	2,300	15,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.91	NA	133.77	NA	NA
MW-3	11/16/1994	94,000	85,000	3,900	3,200	1,700	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	6.15	NA	140.53	NA	NA
MW-3	2/14/1995	41,000	36000 a	4,000	1,700	1,200	5,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	3.40	NA	143.28	NA	NA
MW-3	5/24/1995	46,000	3,700	3,900	1,900	1,600	8,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	7.04	NA	139.64	NA	NA
MW-3 (D)	5/24/1995	47,000	NA	3,700	1,900	1,600	8,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	7.04	NA	139.64	NA	NA
MW-3	9/8/1995	60,000 c	32,000	3,200	2,000	1,400	6,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	11.74	NA	134.94	NA	NA
MW-3 (D)	9/8/1995	35,000 c	NA	3,400	1,700	1,200	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	11.74	NA	134.94	NA	NA
MW-3	11/22/1995	30,000	7,600	3,100	500	690	3,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.31	NA	133.37	NA	NA
MW-3 (D)	11/22/1995	28,000	NA	2,900	370	660	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.31	NA	133.37	NA	NA
MW-3	2/22/1996	47,000	20,000	3,100	2,000	1,400	6,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	3.36	NA	143.32	NA	NA
MW-3	5/9/1996	78,000	10,300 a	4900a	3,000	2,300	9,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	8.03	NA	138.65	NA	NA
MW-3 (D)	5/9/1996	78,000	9,750 a	4,900	2,800	2,200	8,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	8.03	NA	138.65	NA	NA
MW-3	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.25	NA	134.43	NA	NA
MW-3	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.10	NA	133.60	0.02	NA
MW-3	2/26/1997	45,000	9,200 a	4,100	610	980	3,200	28,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	6.04	NA	140.64	NA	NA
MW-3	5/14/1997	50,000	4,770 a	4,800	860	1,200	2,500	36,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	10.97	NA	135.71	NA	NA
MW-3	8/11/1997	57,000	1,200 a	4,200	390	710	2,000	73,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	13.45	NA	133.23	NA	NA
MW-3	11/20/1997	194,000	58,000 d	2,800	4,700	10,000	74,000	31,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	6.10	NA	140.58	NA	NA
MW-3	2/10/1998	74,000	12,000 a,d,e	2,900	1,600	1,400	9,600	48,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	2.51	NA	144.17	NA	NA
MW-3	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	2.48	NA	144.20	NA	NA
MW-3	5/26/1998	57,000	7,700	4,900	1,200	1,400	5,000	70,000	100,000	NA	NA	NA	NA	NA	NA	NA	NA	146.68	4.70	NA	141.98	NA	NA
MW-3	08/19/1998	3,500,000	120,000	2,900	2,500	7,000	80,000	120,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.15	NA	134.53	NA	1.8
MW-3 (D)	08/19/1998	130,000	200,000	2,800	2,500	1,900	14,000	110,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.68	12.15	NA	134.53	NA	1.8
MW-3	12/16/1998	Well Destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3DZ	2/19/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	8.67	8.14	140.04	0.53	NA
MW-3DZ	5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	8.40	7.81	140.36	0.59	NA
MW-3DZ	8/6/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	13.91	13.81	134.46	0.10	NA
MW-3DZ	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	15.52	15.26	132.99	0.27	NA
MW-3DZ	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	7.48	7.30	140.95	0.18	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-3DZ	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.29	13.14	13.05	135.22	0.09	NA
MW-3DZ	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**148.29**	**15.98**	**15.88**	**132.39**	**0.10**	**NA**
MW-4	4/24/1989	3,200	1,000	310	140	36	530	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	8/18/1989	2,000	890	310	30	<1.5	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	11/2/1989	6,100	1,300	240	50	<1.5	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	2/21/1990	2,300	660	370	32	<7.2	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	5/3/1990	6,300	1,300	1,000	110	100	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	8/15/1990	1,600	1,200	140	5	6	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	11/7/1990	4,200	260	38	16	14	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.41	NA	134.02	NA	NA
MW-4	3/7/1991	1,700	490	98	8	28	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	5.40	NA	141.03	NA	NA
MW-4	6/5/1991	5,900	4,400	380	40	39	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.68	NA	136.75	NA	NA
MW-4	8/19/1991	40,000	6,500	200	<0.5	<0.5	470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.02	NA	134.41	NA	NA
MW-4	10/31/1991	5,700	1,000	4	8	29	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.26	NA	134.17	NA	NA
MW-4	2/5/1992	4,200	2,000	89	16	37	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	10.75	NA	135.68	NA	NA
MW-4	5/7/1992	400	870	<0.5	<0.5	<0.5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	8.63	NA	137.80	NA	NA
MW-4	8/25/1992	1,400	4,300	57	1	5	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.65	NA	133.78	NA	NA
MW-4	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.29	NA	134.14	NA	NA
MW-4	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.71	NA	132.72	NA	NA
MW-4	11/27/1992	760	780	21	8	4	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.29	NA	134.14	NA	NA
MW-4	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.67	NA	138.76	NA	NA
MW-4	2/11/1993	5,300	1,800	470	13	31	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	4.77	NA	141.66	NA	NA
MW-4	5/21/1993	1,500	3,200	500	27	23	93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.20	NA	137.23	NA	NA
MW-4	8/3/1993	9,900	5,000	110	34	18	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	10.98	NA	135.45	NA	NA
MW-4	11/16/1993	2,500	2,900	29	18	25	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.12	NA	133.31	NA	NA
MW-4	2/16/1994	1,900	780	180	4	2	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	6.66	NA	139.77	NA	NA
MW-4	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	8.97	NA	137.46	NA	NA
MW-4	8/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.04	NA	134.39	NA	NA
MW-4	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.52	NA	138.91	NA	NA
MW-4	2/14/1995	2,500	1,300 a	290	18	27	76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	3.55	NA	142.88	NA	NA
MW-4	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	3.91	NA	142.52	NA	NA
MW-4	9/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.52	NA	133.91	NA	NA
MW-4	11/22/1995	4,100	3,800	20	5	25	61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.38	NA	133.05	NA	NA
MW-4	2/22/1996	2,400	970	260	6	2	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	3.02	NA	143.41	NA	NA
MW-4	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	6.82	NA	139.61	NA	NA
MW-4	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.01	NA	134.42	NA	NA
MW-4	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.88	NA	133.55	NA	NA
MW-4	2/26/1997	2,700	5,100	86	12	21	45	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	5.93	NA	140.50	NA	NA
MW-4	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	10.74	NA	135.69	NA	NA
MW-4	8/11/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.62	NA	132.81	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-4	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	6.83	NA	139.60	NA	NA
MW-4	2/10/1998	19,000	7,600 a,d,e	550	190	420	2,500	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	3.65	NA	142.78	NA	NA
MW-4	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	2.27	NA	144.16	NA	NA
MW-4	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.79	NA	138.64	NA	NA
MW-4	8/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	11.28	NA	135.15	NA	NA
MW-4	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.57	NA	138.86	NA	NA
MW-4	2/16/1999	6,160	2,240	150	52	156	728	59	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.30	NA	137.13	NA	1.7
MW-4	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.61	NA	136.82	NA	NA
MW-4	8/4/1999	4,380	10,100	29.2	<1.00	21.5	67.8	24.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.74	NA	133.69	NA	1.5
MW-4	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.83	NA	133.60	NA	NA
MW-4	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	NA
MW-4	2/8/2000	27,600	7,380	43.2	<5.00	57.6	292	77.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.18	NA	139.25	NA	1.1/1.4
MW-4	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.91	NA	138.52	NA	f
MW-4	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.12	NA	139.31	NA	NA
MW-4	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	11.46	NA	134.97	NA	NA
MW-4	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.49	NA	136.94	NA	NA
MW-4	2/2/2001	4,300	3,620	24.6	4.52	51.2	196	53.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	NA	NA	NA	NA	1.3/1.4
MW-4	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.99	NA	136.44	NA	NA
MW-4	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	10.51	NA	135.92	NA	NA
MW-4	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	10.54	NA	135.89	NA	NA
MW-4	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	11.37	NA	135.06	NA	NA
MW-4	11/13/2001	2,200	6,500	6.0	1.6	22	13	NA	2.7	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	146.43	7.93	NA	138.50	NA	0.7/3.0
MW-4	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	4.55	NA	141.88	NA	NA
MW-4	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	4.05	NA	142.38	NA	NA
MW-04	2/12/2002	2,500	7,300	43	1.3	34	20	NA	20	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	146.43	4.46	NA	141.97	NA	2.8/2.8
MW-04	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	5.17	NA	141.26	NA	NA
MW-04	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	7.70	NA	138.73	NA	NA
MW-04	5/14/2002	4,000	32,000	23	0.79	11	6.0	NA	30	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	146.43	9.80	NA	136.63	NA	0.9/0.8
MW-04	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	11.38	NA	135.05	NA	NA
MW-04	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	12.98	NA	133.45	NA	NA
MW-04	8/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.69	13.60	132.81	0.09	NA
MW-4	12/02/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.51	13.46	132.96	0.05	NA
MW-4	2/19/2003	4,500	2,900	50	10	88	300	NA	36	NA	NA	NA	NA	NA	NA	NA	NA	146.43	4.91	NA	141.52	NA	NA
MW-4	5/13/2003	8,000	7,100	63	8.0	150	520	NA	17	NA	NA	NA	<50	NA	NA	NA	NA	146.43	5.34	NA	141.09	NA	NA
MW-4	8/6/2003	10,000	18,000 a	66	5.6	42	120	NA	34	NA	NA	NA	NA	NA	NA	NA	NA	146.43	11.52	NA	134.91	NA	NA
MW-4	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	13.80	13.56	132.82	0.24	NA
MW-4	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	5.30	5.26	141.16	0.04	NA
MW-4	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.43	9.32	9.28	137.14	0.04	NA
MW-4	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**146.43**	**14.45**	**14.17**	**132.20**	**0.28**	**NA**

WELL CONCENTRATIONS
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255 Dutton Avenue
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-5	4/25/1989	46,000	12,000	19,000	15,000	2,100	9,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	8/17/1989	70,000	16,000	15,000	12,000	1,600	8,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	11/2/1989	69,000	9,200	3,800	3,100	1,900	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	2/21/1990	71,000	11,000	15,000	11,000	2,100	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	5/3/1990	57,000	12,000	15,000	10,000	1,500	9,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	8/14/1990	53,000	3,500	12,000	4,800	1,800	8,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	11/7/1990	76,000	4,700	13,000	9,700	2,000	9,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.39	NA	134.14	NA	NA
MW-5	3/7/1991	73,000	11,000	16,000	9,900	2,400	13,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	6.02	NA	141.51	NA	NA
MW-5	6/5/1991	74,000	4,300	10,000	8,200	2,400	11,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	10.54	NA	136.99	NA	NA
MW-5	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.17	NA	135.40	0.05	NA
MW-5	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.15	NA	135.42	0.05	NA
MW-5	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.13	NA	138.50	0.12	NA
MW-5	8/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.26	NA	134.33	0.08	NA
MW-5	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.18	NA	134.42	0.09	NA
MW-5	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.07	NA	133.56	0.12	NA
MW-5	11/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.26	NA	135.29	0.02	NA
MW-5	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	NA
MW-5	2/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	4.78	NA	142.83	0.10	NA
MW-5	5/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	10.93	NA	136.63	0.04	NA
MW-5	8/3/1993	56,000	3,500,000	1,500	710	570	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.93	NA	134.67	0.09	NA
MW-5	11/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.38	NA	133.76	0.76	NA
MW-5	2/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	8.24	NA	139.98	0.86	NA
MW-5	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	10.42	NA	137.13	0.02	NA
MW-5	8/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.38	NA	134.16	0.01	NA
MW-5	11/16/1994	88,000	210,000	2,800	2,300	1,100	5,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	7.49	NA	140.04	NA	NA
MW-5	2/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	4.36	NA	143.18	0.01	NA
MW-5	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	7.29	NA	140.25	0.01	NA
MW-5	9/8/1995	21,000 c	3,400	2,600	700	1,400	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.32	NA	134.21	NA	NA
MW-5	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.35	NA	133.20	0.02	NA
MW-5	2/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	3.81	NA	143.73	0.01	NA
MW-5	5/9/1996	43,000	5,620	1,600	1,200	2,200	7,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	8.51	NA	139.02	NA	NA
MW-5	8/27/1996	34,000	3,100 a	2,300	620	1,700	4,900	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.88	NA	134.65	NA	NA
MW-5	10/29/1996	40,000	34,000	2,200	870	1,700	6,700	180b	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.59	NA	133.94	NA	NA
MW-5 (D)	10/29/1996	51,000	15,000	2,300	920	1,900	7,300	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.59	NA	133.94	NA	NA
MW-5	2/26/1997	30,000	7,600 a	570	350	1,100	4,600	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	6.30	NA	141.23	NA	NA
MW-5	5/14/1997	29,000	6,000 a	940	410	1,100	3,600	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	11.53	NA	136.00	NA	NA
MW-5	8/11/1997	42,000	52,000	690	140	930	2,400	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.17	NA	133.36	NA	NA
MW-5	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	7.28	NA	140.29	0.05	NA
MW-5	2/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	3.37	NA	144.21	0.06	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-5	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	3.16	NA	144.37	NA	NA
MW-5	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	8.72	NA	138.84	0.04	NA
MW-5	8/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.81	NA	134.76	0.05	NA
MW-5	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.22	NA	138.34	0.04	NA
MW-5	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.61	9.43	138.11	0.24	NA
MW-5	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.51	9.39	138.12	0.12	NA
MW-5	8/4/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.76	13.71	133.81	0.05	NA
MW-5	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.82	NA	133.71	NA	NA
MW-5	10/26/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	15.73	14.98	132.40	0.75	NA
MW-5	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.79	12.52	134.94	0.25	NA
MW-5	12/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.35	12.26	135.25	0.09	NA
MW-5	1/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.15	14.01	133.49	0.14	NA
MW-5	2/8/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	7.49	7.43	140.09	0.06	NA
MW-5	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	4.63	4.61	142.92	0.02	NA
MW-5	4/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	6.54	6.52	141.01	0.02	NA
MW-5	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	7.77	7.74	139.78	0.03	NA
MW-5	6/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.17	9.15	138.38	0.02	NA
MW-5	7/6/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.95	NA	137.58	NA	NA
MW-5	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	10.19	10.17	137.36	0.02	NA
MW-5	9/21/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.08	NA	135.45	NA	NA
MW-5	10/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	14.25	14.18	133.34	0.07	NA
MW-5	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.67	12.62	134.90	0.05	NA
MW-5	12/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.03	12.99	134.53	0.04	NA
MW-5	1/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.72	13.70	133.83	0.02	NA
MW-5	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	8.49	8.44	139.08	0.05	NA
MW-5	3/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	6.02	NA	141.51	NA	NA
MW-5	4/9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.79	9.78	137.75	0.01	NA
MW-5	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	9.18	9.16	138.37	0.02	NA
MW-5	6/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.63	NA	134.90	NA	NA
MW-5	7/26/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	12.94	NA	134.59	NA	NA
MW-5	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.83	NA	133.70	NA	NA
MW-5	8/29/2001	10,000	6,700	96	26	280	660	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	147.53	NA	NA	NA	NA	0.7/4.9
MW-5	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.53	13.24	13.23	134.30	0.01	NA
MW-5	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	13.98	NA	133.57	NA	NA
MW-5	11/13/2001	25,000	62,000	360	100	1,000	2,700	NA	14	<5.0	<5.0	<5.0	<50	<1,000	<500	<5.0	<5.0	147.55	9.46	9.45	138.10	0.01	1.1/1.9
MW-5	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	5.80	5.79	141.76	0.01	NA
MW-5	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	4.55	4.54	143.01	0.01	NA
MW-05	2/12/2002	9,800	47,000	180	47	470	1,200	NA	7.7	<2.5	<2.5	<2.5	<50	<1,000	<500	<2.5	<2.5	147.55	6.23	NA	141.32	NA	1.2/2.0
MW-05	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	5.97	5.86	141.67	0.11	NA
MW-05	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	9.65	9.55	137.98	0.10	NA

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MW-05	5/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	11.44	11.35	136.18	0.09	NA
MW-05	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	12.14	12.13	135.42	0.01	NA
MW-05	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	13.77	13.70	133.84	0.07	NA
MW-05	8/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	14.76	14.33	133.13	0.43	NA
MW-5	12/02/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	14.54	14.40	133.12	0.14	NA
MW-5	2/19/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	5.24	5.21	142.33	0.03	NA
MW-5	5/13/2003	37,000	200,000	390	390	1,800	5,200	NA	<10	NA	NA	NA	<100	NA	NA	NA	NA	147.55	6.02	6.00	141.55	0.02	NA
MW-5	8/6/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	12.72	12.68	134.86	0.04	NA
MW-5	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	14.55	14.45	133.08	0.10	NA
MW-5	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	5.11	NA	141.98	NA	NA
MW-5	3/3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	4.85	4.83	142.72	0.02	NA
MW-5	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.55	11.87	11.84	135.70	0.03	NA
MW-5	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**147.55**	**15.28**	**15.03**	**132.47**	**0.25**	**NA**
MW-6	4/24/1989	<50	<50	<4.4	<7	<0.072	<15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	8/17/1989	<50	<50	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	11/2/1989	<50	<50	20	17	<7.2	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	2/22/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	5/4/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	8/14/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	11/7/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.76	NA	134.33	NA	NA
MW-6	3/7/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	5.45	NA	141.64	NA	NA
MW-6	6/5/1991	50	200	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.58	NA	137.51	NA	NA
MW-6	8/19/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.42	NA	135.67	NA	NA
MW-6	10/31/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	10.51	NA	136.58	NA	NA
MW-6	2/5/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	10.40	NA	136.69	NA	NA
MW-6	5/7/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	8.87	NA	138.22	NA	NA
MW-6	8/25/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.37	NA	134.72	NA	NA
MW-6	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.78	NA	134.31	NA	NA
MW-6	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	13.27	NA	133.82	NA	NA
MW-6	11/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.43	NA	135.66	NA	NA
MW-6	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	8.06	NA	139.03	NA	NA
MW-6	2/11/1993	<50	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	4.00	NA	143.09	NA	NA
MW-6	5/21/1993	<50	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.25	NA	137.84	NA	NA
MW-6	8/3/1993	<50	120	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.55	NA	135.54	NA	NA
MW-6	11/16/1993	<50	330	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.79	NA	134.30	NA	NA
MW-6	2/16/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	7.72	NA	139.37	NA	NA
MW-6	5/18/1994	<50	210	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.68	NA	137.41	NA	NA
MW-6	8/17/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.33	NA	134.76	NA	NA
MW-6	11/16/1994	<50	150	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	6.00	NA	141.09	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-6	2/14/1995	<50	210 a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	2.78	NA	144.31	NA	NA
MW-6	5/24/1995	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	7.15	NA	139.94	NA	NA
MW-6	9/8/1995	<50	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.36	NA	134.73	NA	NA
MW-6	11/22/1995	<50	220	<0.5	<0.5	<0.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	13.31	NA	133.78	NA	NA
MW-6	2/22/1996	<50	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	2.70	NA	144.39	NA	NA
MW-6	5/9/1996	200	664 a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	8.24	NA	138.85	NA	NA
MW-6	8/27/1996	<50	250 a	<0.5	<0.5	<0.5	<0.5	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.04	NA	135.05	NA	NA
MW-6	10/29/1996	<50	210 a	<0.5	<0.5	<0.5	<0.5	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.60	NA	135.49	NA	NA
MW-6	2/26/1997	<50	230 a	<0.5	<0.5	1	4	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	6.40	NA	140.69	NA	NA
MW-6	5/14/1997	<50	320 a	<0.5	1	<0.5	<0.5	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	10.31	NA	136.78	NA	NA
MW-6 (D)	5/14/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	10.31	NA	136.78	NA	NA
MW-6	8/11/1997	73	<50	1	<0.5	1	3	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	13.13	NA	133.96	NA	NA
MW-6	11/20/1997	60	<50 a	<0.5	<0.5	<0.5	<0.5	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	6.00	NA	141.09	NA	NA
MW-6	2/10/1998	<50	72 a,e	<0.5	<0.5	<0.5	<0.5	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	2.65	NA	144.44	NA	NA
MW-6	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	2.48	NA	144.61	NA	NA
MW-6	5/26/1998	<50	120	<0.30	<0.30	<0.30	<0.60	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	8.51	NA	138.58	NA	NA
MW-6	08/19/1998	1,500	140	<10	<10	<10	<10	780	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.91	NA	135.18	NA	0.9
MW-6	12/16/1998	<250	248	<2.50	<2.50	<2.50	<2.50	789	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.00	NA	138.09	NA	1.0
MW-6	12/16/1998	<250	248	<2.50	<2.50	<2.50	<2.50	789	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.00	NA	138.09	NA	1.0
MW-6	2/16/1999	<50.0	164	<0.500	<0.500	<0.500	<0.500	192	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.96	NA	137.13	NA	1.2
MW-6	5/19/1999	68	140	2	7	1	9	14,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	8.66	NA	138.43	NA	1.1
MW-6	8/4/1999	<1,000	156 a	<10.0	<10.0	<10.0	<10.0	6,950	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.26	NA	134.83	NA	1.0
MW-6	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	12.34	NA	134.75	NA	NA
MW-6	11/10/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	1,230	1,240	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.54	NA	135.55	NA	1.0*
MW-6	2/8/2000	<50.0	111 a	<0.500	<0.500	<0.500	<0.500	125	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	7.68	NA	139.41	NA	2.9/4.7
MW-6	5/3/2000	<5,000	271	<50.0	<50.0	<50.0	<50.0	8,120	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	6.44	NA	140.65	NA	2.4/3.7
MW-6	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.82	NA	135.27	NA	1.96/4.2
MW-6	8/16/2000	<2,500	214	<25.0	<25.0	<25.0	<25.0	3,640	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	NA	NA	NA	NA	NA
MW-6	11/7/2000	<500	271	<5.00	<5.00	<5.00	<5.00	1,570	2,030	NA	NA	NA	NA	NA	NA	NA	NA	147.09	11.93	NA	135.16	NA	1.5/1.3
MW-6	2/1/2001	<100	390	<1.00	<1.00	<1.00	<1.00	417	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	9.43	NA	137.66	NA	2.8/3.6
MW-6	5/21/2001	<5,000	<50	<25	<25	<25	<25	NA	13,000	NA	NA	NA	NA	NA	NA	NA	NA	147.09	10.98	NA	136.11	NA	2.39/2.30
MW-6	8/28/2001	<1,000	140	<10	<10	<10	11	NA	19,000	NA	NA	NA	NA	NA	NA	NA	NA	147.09	13.43	NA	133.66	NA	0.4/3.6
MW-6	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.09	13.68	NA	133.41	NA	NA
MW-6	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	14.23	NA	132.49	NA	NA
MW-6	11/13/2001	<500	290	<5.0	<5.0	<5.0	<5.0	NA	2,000	<5.0	<5.0	<5.0	77	<12,000	<500	<5.0	<5.0	146.72	8.00	NA	138.72	NA	3.1/3.7
MW-6	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	7.60	NA	139.12	NA	NA
MW-6	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	5.55	NA	141.17	NA	NA
MW-06	2/12/2002	3,300	180	<20	<20	<20	<20	NA	6,700	<20	<20	<20	<200	<2,000	<500	<20	<20	146.72	5.24	NA	141.48	NA	3.6/1.9
MW-06	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	5.96	NA	140.76	NA	NA
MW-06	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	8.80	NA	137.92	NA	NA

WELL CONCENTRATIONS
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Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-06	5/14/2002	<2,000	170	<20	<20	<20	<20	NA	6,100	<20	<20	<20	<200	<2,000	<500	<20	<20	146.72	10.16	NA	136.56	NA	2.1/0.9
MW-06	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	10.40	NA	136.32	NA	NA
MW-06	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.72	12.45	NA	134.27	NA	NA
MW-06	8/13/2002	<2,000	86	<20	<20	<20	<20	NA	8,500	<20	<20	<20	<200	<2,500	<500	<20	<20	146.72	13.15	NA	133.57	NA	1.0/3.0
MW-6	12/02/2002 i	<1,000	83	<10	<10	<10	<10	NA	4,500	<10	<10	<10	110	<1,000	<500	<10	<10	146.72	13.57	NA	133.15	NA	NA
MW-6	2/19/2003	<100	210	<1.0	<1.0	<1.0	<1.0	NA	430	NA	NA	NA	NA	NA	NA	NA	NA	146.72	5.65	NA	141.07	NA	NA
MW-6	5/13/2003	<200	300	3.4	<2.0	<2.0	2.3	NA	840	NA	NA	NA	71	NA	NA	NA	NA	146.72	7.18	NA	139.54	NA	NA
MW-6	8/6/2003	<100	100 a, c	<1.0	<1.0	<1.0	<2.0	NA	160	NA	NA	NA	<10	NA	NA	NA	NA	146.72	11.70	NA	135.02	NA	NA
MW-6	11/25/2003	<50	110 a	<0.50	<0.50	<0.50	<1.0	NA	130	NA	NA	NA	<5.0	NA	NA	NA	NA	146.72	13.58	NA	133.14	NA	NA
MW-6	3/2/2004	<50	110 a	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	<5.0	NA	NA	<0.50	NA	146.72	5.02	NA	141.70	NA	NA
MW-6	5/24/2004	<50	100 a	<0.50	<0.50	<0.50	<1.0	NA	200	NA	NA	NA	<5.0	NA	NA	NA	NA	146.72	10.70	NA	136.02	NA	NA
MW-6	**8/25/2004**	**<50**	**100 a**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**160**	**<2.0**	**<2.0**	**<2.0**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**146.72**	**14.00**	**NA**	**132.72**	**NA**	**NA**
MW-7	8/17/1989	5,300	2,100	1,100	1,100	14	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	11/2/1989	5,900	810	410	200	180	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	2/22/1990	5,800	410	1,600	170	110	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	5/3/1990	7,700	2,300	1,000	250	28	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	8/14/1990	7,000	4,300	1,400	170	130	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	11/7/1990	6,100	1,100	2,300	130	240	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.97	NA	134.32	NA	NA
MW-7	3/7/1991	1,400	530	140	36	30	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	5.77	NA	141.52	NA	NA
MW-7	6/5/1991	11,000	1,600	1,100	370	380	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.44	NA	137.85	NA	NA
MW-7	8/19/1991	8,900	3,400	600	190	280	660	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.48	NA	135.81	NA	NA
MW-7	10/31/1991	4,500	2,900	220	66	170	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.18	NA	135.11	NA	NA
MW-7	2/5/1992	2,100	890	120	9	3	77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.15	NA	136.14	NA	NA
MW-7	5/7/1992	8,000	2,300	1,400	320	17	650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.01	NA	138.28	NA	NA
MW-7	8/25/1992	8,600	7,800	320	89	200	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.85	NA	134.44	NA	NA
MW-7	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	13.20	NA	134.09	NA	NA
MW-7	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	13.44	NA	133.85	NA	NA
MW-7	11/27/1992	5,400	3,400	230	33	88	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.81	NA	135.48	NA	NA
MW-7	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	8.43	NA	138.86	NA	NA
MW-7	2/11/1993	4,000	4,200	340	61	84	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	4.80	NA	142.49	NA	NA
MW-7	5/21/1993	2,000	1,700	360	60	60	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.12	NA	138.17	NA	NA
MW-7	8/3/1993	2,900	8,000	310	32	76	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.11	NA	135.18	NA	NA
MW-7	11/16/1993	3,500	2,200	79	14	33	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	13.28	NA	134.01	NA	NA
MW-7	2/16/1994	1,100	430	260	34	44	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	7.71	NA	139.58	NA	NA
MW-7	5/18/1994	3,800	1,400	420	73	130	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	10.21	NA	137.08	NA	NA
MW-7	8/17/1994	14,000	4,700	580	73	240	450	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.94	NA	134.35	NA	NA
MW-7	11/16/1994	6,300	5,300	260	30	82	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	10.50	NA	136.79	NA	NA
MW-7	2/14/1995	2,800	2,200 a	140	36	96	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	5.62	NA	141.67	NA	NA
MW-7	5/24/1995	4,300	3,000	630	130	210	430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	5.57	NA	141.72	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-7	9/8/1995	4,900c	840	720	76	210	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.12	NA	136.17	NA	NA
MW-7	11/22/1995	7,500	1,900	640	25	180	170	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	13.67	NA	133.62	NA	NA
MW-7	2/22/1996	2,100	960	250	15	59	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	4.02	NA	143.27	NA	NA
MW-7	5/9/1996	7,800	3,230 a	650	170	330	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	7.50	NA	139.79	NA	NA
MW-7	8/27/1996	4,600	3,200	650	33	140	130	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.74	NA	134.55	NA	NA
MW-7 (D)	8/27/1996	5,200	3,000 a	660	40	150	140	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.74	NA	134.55	NA	NA
MW-7	10/29/1996	4,000	1,900 a	420	21	66	74	26b	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.25	NA	135.04	NA	NA
MW-7	2/26/1997	120	1,170 a	3	1	<0.5	1	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	6.79	NA	140.50	NA	NA
MW-7	5/14/1997	3,500	1,000 a	340	39	81	92	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.29	NA	138.00	NA	NA
MW-7	8/11/1997	2,400	3,000 a	230	19	44	30	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.87	NA	134.42	NA	NA
MW-7	11/20/1997	3,300	<50	84	15	45	36	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	7.40	NA	139.89	NA	NA
MW-7	2/10/1998	3,400	2,600 a,e	180	23	43	70	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	3.51	NA	143.78	NA	NA
MW-7	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	3.33	NA	143.96	NA	NA
MW-7	5/26/1998	3,100	730	310	15	79	84	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	7.36	NA	139.93	NA	NA
MW-7	8/19/1998	2,300	900	99	<1.0	13	17	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.69	NA	135.60	NA	2.3
MW-7	12/16/1998	2,830	6,130	115	29	31	9	99	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	8.40	NA	138.89	NA	2.0
MW-7	2/16/1999	7,350	2,430	201	18	79	83	186	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.60	NA	137.69	NA	1.8
MW-7	5/19/1999	2,150	550	137	18	20	40	313	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	7.92	NA	139.37	NA	1.1
MW-7	8/4/1999	3,370	1,360 a	70.6	1.48	13.2	7.76	342	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.25	NA	136.04	NA	1.7
MW-7	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.31	NA	135.98	NA	NA
MW-7	11/10/1999	1,890	6,530 a	70.7	8.09	7.29	9.61	1,050	830	NA	NA	NA	NA	NA	NA	NA	NA	147.29	12.22	NA	135.07	NA	1.8*
MW-7	2/8/2000	<10,000	5,980 a	<100	<100	<100	<100	560	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	8.22	NA	139.07	NA	2.8/2.7
MW-7	5/3/2000	4,360	2,110	219	6.36	87.3	59.5	458	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	8.93	NA	138.36	NA	1.9/3.1
MW-7	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.78	NA	135.51	NA	2.3/2.5
MW-7	8/16/2000	2,000	11,500	143	<10.0	14.8	<10.0	933	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	NA
MW-7	11/7/2000	3,220	1,590	89.3	<5.00	<5.00	<5.00	637	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	11.76	NA	135.53	NA	1.1/1.3
MW-7	2/1/2001	3,690	9,180	60.1	9.38	28.3	35.7	356	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	10.34	NA	136.95	NA	1.5/1.7
MW-7	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	9.83	NA	137.46	NA	NA
MW-7	5/22/2001	2,000	2,100	72	1.6	7.3	5.3	NA	190	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	2.43/1.86
MW-7	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	13.84	NA	133.45	NA	NA
MW-7	8/29/2001	1,100	4,100	30	2.6	0.79	1.7	NA	210	NA	NA	NA	NA	NA	NA	NA	NA	147.29	NA	NA	NA	NA	1.0/3.5
MW-7	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.29	14.03	NA	133.26	NA	NA
MW-7	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	14.58	NA	132.68	NA	NA
MW-7	11/13/2001	2,500	4,300	45	2.8	4.8	4.9	NA	140	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.26	9.12	NA	138.14	NA	0.7/3.0
MW-7	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	5.35	NA	141.91	NA	NA
MW-7	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	4.95	NA	142.31	NA	NA
MW-07	2/12/2002	3,800	4,400	70	9.2	91	52	NA	100	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.26	5.72	NA	141.54	NA	2.1/2.8
MW-07	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	6.32	NA	140.94	NA	NA
MW-07	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	9.10	NA	138.16	NA	NA
MW-07	5/14/2002	1,900	6,900	40	1.2	2.9	2.5	NA	93	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.26	10.57	NA	136.69	NA	1.0/0.8

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-07	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	11.03	NA	136.23	NA	NA
MW-07	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	12.96	NA	134.30	NA	NA
MW-07	8/13/2002	1,100	3,100	24	1.6	7.8	19	NA	90	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.26	13.67	NA	133.59	NA	1.5/3.6
MW-7	12/02/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.26	13.95	NA	133.31	NA	NA
MW-7	12/3/2002	890	1,400	13	0.98	1.5	2.3	NA	48	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.26	NA	NA	NA	NA	NA
MW-7	2/19/2003	4,800	<1,100	75	30	180	180	NA	39	NA	NA	NA	NA	NA	NA	NA	NA	147.26	5.83	NA	141.43	NA	NA
MW-7	5/13/2003	6,000	4,100	140	32	170	120	NA	42	NA	NA	NA	<50	NA	NA	NA	NA	147.26	6.96	NA	140.30	NA	NA
MW-7	8/6/2003	4,800 a	410 a	92	<10	11	<20	NA	120	NA	NA	NA	<100	NA	NA	NA	NA	147.26	12.13	NA	135.13	NA	NA
MW-7	11/25/2003	1,900	1,100 a	42	1.9	2.1	2.4	NA	54	NA	NA	NA	35	NA	NA	NA	NA	147.26	14.13	NA	133.13	NA	NA
MW-7	3/2/2004	8,600 a	7,700 a	69	24	180	120	NA	<10	NA	NA	NA	<100	NA	NA	<10	NA	147.26	5.27	NA	141.99	NA	NA
MW-7	5/24/2004	3,900	1,500 a	110	13	43	34	NA	30	NA	NA	NA	<50	NA	NA	NA	NA	147.26	11.33	NA	135.93	NA	NA
MW-7	**8/25/2004**	**1,900**	**1,300 a**	**50**	**2.3**	**5.3**	**7.8**	**NA**	**22**	**<2.0**	**<2.0**	**<2.0**	**12**	**NA**	**NA**	**NA**	**NA**	**147.26**	**14.55**	**NA**	**132.71**	**NA**	**NA**
MW-8	8/17/1989	70	110	9	<0.5	<1.5	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	NA	NA	NA	NA	NA
MW-8	11/2/1989	520	250	41	6	6	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	NA	NA	NA	NA	NA
MW-8	2/22/1990	430	<50	<4.4	13	28	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	NA	NA	NA	NA	NA
MW-8	5/4/1990	<50	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	NA	NA	NA	NA	NA
MW-8	8/15/1990	560	280	46	3	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	NA	NA	NA	NA	NA
MW-8	11/7/1990	180	<50	33	2	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.78	NA	132.43	NA	NA
MW-8	3/7/1991	470	170	22	18	15	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.14	NA	140.07	NA	NA
MW-8	6/5/1991	260	<50	26	7	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.61	NA	137.60	NA	NA
MW-8	8/19/1991	<50	<50	13	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.45	NA	133.76	NA	NA
MW-8	10/31/1991	230	130	31	3	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.61	NA	133.60	NA	NA
MW-8	2/5/1992	110	<50	3	1	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.01	NA	135.20	NA	NA
MW-8	5/7/1992	170	210	21	<0.5	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.24	NA	136.97	NA	NA
MW-8	8/25/1992	160	<50	4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.79	NA	134.42	NA	NA
MW-8	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.74	NA	132.47	NA	NA
MW-8	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.96	NA	132.25	NA	NA
MW-8	11/27/1992	180	280	17	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.28	NA	133.93	NA	NA
MW-8	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.02	NA	138.19	NA	NA
MW-8	2/11/1993	190	90	5	2	0	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	3.71	NA	142.50	NA	NA
MW-8	5/21/1993	200	140	17	3	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	10.68	NA	135.53	NA	NA
MW-8	8/3/1993	420	140	13	9	7	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.73	NA	134.48	NA	NA
MW-8	11/16/1993	260	90	20	1	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.92	NA	133.29	NA	NA
MW-8	2/16/1994	350	130	18	2	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.31	NA	134.90	NA	NA
MW-8	5/18/1994	190	170	15	<0.5	1	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.83	NA	136.38	NA	NA
MW-8	8/17/1994	300	230	15	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.70	NA	133.51	NA	NA
MW-8	11/16/1994	1,100	300	33	9	10	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	10.83	NA	135.38	NA	NA
MW-8	2/14/1995	220	220 a	2	1	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	3.96	NA	142.25	NA	NA
MW-8	5/24/1995	1,100	360	62	19	33	72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.01	NA	135.20	NA	NA

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MW-8	9/8/1995	410	160	26	2	2	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.52	NA	133.69	NA	NA
MW-8	11/22/1995	300	<50	19	<0.5	1	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.75	NA	132.46	NA	NA
MW-8	2/22/1996	600	240	24	2	3	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	3.52	NA	142.69	NA	NA
MW-8	5/9/1996	1,300	398 a	560	290	230	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.45	NA	139.76	NA	NA
MW-8	8/27/1996	750	69 a	39	4	2	3	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.16	NA	134.05	NA	NA
MW-8	10/29/1996	490	90 a	16	2	1	1	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.85	NA	133.36	NA	NA
MW-8	2/26/1997	1,800	250 a	40	14	13	32	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.68	NA	139.53	NA	NA
MW-8	5/14/1997	1,400	80 a	36	14	5	17	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	10.82	NA	135.39	NA	NA
MW-8	8/11/1997	720	<50 c	9	6	<0.5	<0.5	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.35	NA	132.86	NA	NA
MW-8	11/20/1997	360	<50	3	3	0	3	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.54	NA	139.67	NA	NA
MW-8	2/10/1998	540	65 a,e	2	9	2	5	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	2.41	NA	143.80	NA	NA
MW-8	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	2.46	NA	143.75	NA	NA
MW-8	5/26/1998	340	240	8.8	3.4	3.2	9.9	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.39	NA	137.82	NA	NA
MW-8	5/26/1998	560	240	13	1.8	5.0	13	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.39	NA	137.82	NA	NA
MW-8	08/19/1998	450	180	3.1	<2.5	<2.5	<2.5	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.82	NA	134.39	NA	1.3
MW-8	12/16/1998	676	279	14.1	<2.50	4.96	<2.50	735	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.69	NA	137.52	NA	1.7
MW-8	2/16/1999	276	277	<1.00	<1.00	<1.00	<1.00	312	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.73	NA	136.48	NA	2.1
MW-8	5/19/1999	270	120	4.4	4.6	1.1	9.7	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.37	NA	137.84	NA	1.3
MW-8	8/4/1999	<50.0	57.1 a	<0.500	<0.500	<0.500	<0.500	4.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.05	NA	137.16	NA	2.0
MW-8	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.09	NA	137.12	NA	NA
MW-8	11/10/1999	<50.0	67.4 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	8.92	NA	137.29	NA	1.9*
MW-8	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.30	NA	139.91	NA	0.6/2.3
MW-8	5/3/2000	56.4	74.2	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	6.00	NA	140.21	NA	1.1/2.0
MW-8	8/15/2000	<250	94.3	<2.50	<2.50	<2.50	<2.50	286	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	11.63	NA	134.58	NA	1.8/4.2
MW-8	11/7/2000	<100	82.2	<1.00	<1.00	<1.00	<1.00	218	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	12.14	NA	134.07	NA	1.2/8.8
MW-8	2/1/2001	<100	97.5	<1.00	<1.00	<1.00	<1.00	263	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	9.44	NA	136.77	NA	1.3/1.7
MW-8	5/21/2001	<100	64	<1.0	<1.0	<1.0	<1.0	NA	420	NA	NA	NA	NA	NA	NA	NA	NA	146.21	10.21	NA	136.00	NA	2.66/2.32
MW-8	8/28/2001	<200	180	<2.0	<2.0	<2.0	<2.0	NA	740	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.47	NA	132.74	NA	1.0/3.3
MW-8	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.21	13.72	NA	132.49	NA	NA
MW-8	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	14.63	NA	131.56	NA	NA
MW-8	11/13/2001	<100	<50	<1.0	<1.0	<1.0	1.7	NA	600	<2.0	<2.0	<2.0	140	<1,000	<500	<2.0	<2.0	146.19	9.04	NA	137.15	NA	3.0/5.8
MW-8	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	6.90	NA	139.29	NA	NA
MW-8	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	5.19	NA	141.00	NA	NA
MW-08	2/12/2002	<200	<50	<2.0	<2.0	<2.0	<2.0	NA	620	<2.0	<2.0	<2.0	75	<1,000	<500	<2.0	<2.0	146.19	5.30	NA	140.89	NA	2.6/4.0
MW-08	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	5.77	NA	140.42	NA	NA
MW-08	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	8.73	NA	137.46	NA	NA
MW-08	5/14/2002	<100	62	<1.0	<1.0	<1.0	<1.0	NA	390	<2.0	<2.0	<2.0	56	<1,500	<500	<2.0	<2.0	146.19	10.05	NA	136.14	NA	1.7/3.0
MW-08	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	10.87	NA	135.32	NA	NA
MW-08	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.19	12.46	NA	133.73	NA	NA
MW-08	8/13/2002	<200	600	<2.0	<2.0	<2.0	<2.0	NA	1,300	<2.0	<2.0	<2.0	490	<1,000	<500	<2.0	<2.0	146.19	13.15	NA	133.04	NA	1.2/2.4

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-8	12/02/2002 i	<50	70	<0.50	<0.50	<0.50	<0.50	NA	97	<2.0	<2.0	<2.0	1,100	<1,000	<500	<2.0	<2.0	146.19	11.75	NA	134.44	NA	NA
MW-8	2/19/2003	81	120	0.80	<0.50	0.79	1.0	NA	210	NA	NA	NA	NA	NA	NA	NA	NA	146.19	5.50	NA	140.69	NA	NA
MW-8	5/13/2003	120	260	<0.50	<0.50	<0.50	<0.50	NA	140	NA	NA	NA	180	NA	NA	NA	NA	146.19	7.50	NA	138.69	NA	NA
MW-8	8/6/2003	<250	60 a	<2.5	<2.5	<2.5	<5.0	NA	69	NA	NA	NA	1,400	NA	NA	NA	NA	146.19	11.23	NA	134.96	NA	NA
MW-8	11/25/2003	190 a	120 a	<0.50	<0.50	<0.50	<1.0	NA	6.0	NA	NA	NA	650	NA	NA	NA	NA	146.19	13.09	NA	133.10	NA	NA
MW-8	3/2/2004	<50	120 a	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	140	NA	NA	<0.50	NA	146.19	5.58	NA	140.61	NA	NA
MW-8	5/24/2004	200	74 a	0.79	<0.50	<0.50	<1.0	NA	100	NA	NA	NA	730	NA	NA	NA	NA	146.19	7.75	NA	138.44	NA	NA
MW-8	**8/25/2004**	**<50**	**82 a**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**2.3**	**<2.0**	**<2.0**	**<2.0**	**800**	**NA**	**NA**	**NA**	**NA**	**146.19**	**13.75**	**NA**	**132.44**	**NA**	**NA**
MW-9	8/18/1989	4,000	990	280	100	53	470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	11/1/1989	5,400	770	110	33	14	430	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	2/21/1990	2,500	660	49	23	91	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	5/4/1990	4,200	810	96	30	34	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	8/15/1990	5,700	230	120	30	150	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	11/7/1990	3,500	510	39	13	26	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.53	NA	134.37	NA	NA
MW-9	3/7/1991	7,200	820	120	59	210	440	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	5.12	NA	140.78	NA	NA
MW-9	6/5/1991	3,200	550	67	36	150	340	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	9.57	NA	136.33	NA	NA
MW-9	8/19/1991	4,100	590	63	15	130	290	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.86	NA	134.04	NA	NA
MW-9	10/31/1991	2,400	580	22	<0.5	17	83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.24	NA	134.66	NA	NA
MW-9	2/5/1992	4,200	840	42	16	88	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	10.51	NA	135.39	NA	NA
MW-9	5/7/1992	250	880	2	2	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.65	NA	137.25	NA	NA
MW-9	8/25/1992	4,300	900	30	<0.5	94	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.54	NA	133.36	NA	NA
MW-9	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.55	NA	134.35	NA	NA
MW-9	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	13.00	NA	132.90	NA	NA
MW-9	11/27/1992	2,900	1,600	58	5	45	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.98	NA	133.92	NA	NA
MW-9	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.63	NA	137.27	NA	NA
MW-9	2/11/1993	4,800	990	50	20	130	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	4.73	NA	141.17	NA	NA
MW-9	5/21/1993	8,000	1,700	91	82	450	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	9.15	NA	136.75	NA	NA
MW-9	8/3/1993	4,800	360	37	10	64	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	10.57	NA	135.33	NA	NA
MW-9	11/16/1993	3,700	100	<0.5	5	65	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.82	NA	133.08	NA	NA
MW-9	2/16/1994	4,300	710	31	14	91	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	9.48	NA	136.42	NA	NA
MW-9	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.88	NA	137.02	NA	NA
MW-9	8/17/1994	9,500	2,400	13	12	180	460	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.80	NA	134.10	NA	NA
MW-9	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	7.35	NA	138.55	NA	NA
MW-9	2/14/1995	6,200	2,100 a	27	31	170	410	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	3.60	NA	142.30	NA	NA
MW-9	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	3.95	NA	141.95	NA	NA
MW-9	9/8/1995	2,400	190	39	8	52	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.11	NA	133.79	NA	NA
MW-9	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.99	NA	132.91	NA	NA
MW-9	2/22/1996	5,700	2,100	<0.5	19	240	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	3.73	NA	142.17	NA	NA
MW-9	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	14.03	NA	131.87	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-9	8/27/1996	5,900	670 a	33	37	280	440	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.43	NA	134.47	NA	NA
MW-9	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.57	NA	133.33	NA	NA
MW-9	2/26/1997	13,000	1,800 a	46	77	280	500	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	5.89	NA	140.01	NA	NA
MW-9	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	10.73	NA	135.17	NA	NA
MW-9	8/11/1997	3,100	<50	20	14	150	200	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	13.29	NA	132.61	NA	NA
MW-9	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	6.59	NA	139.31	NA	NA
MW-9	2/10/1998	8,200	2,400 a,d,e	31	33	200	280	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	4.88	NA	141.02	NA	NA
MW-9	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	2.38	NA	143.52	NA	NA
MW-9	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	7.41	NA	138.49	NA	NA
MW-9	08/19/1998	2,200	1,600	21	5.8	110	110	57	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.81	NA	134.09	NA	2.1
MW-9	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	7.80	NA	138.10	NA	NA
MW-9	2/16/1999	5,430	734	24	33.5	183	188	126	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	9.79	NA	136.11	NA	1.7
MW-9	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	10.43	NA	135.47	NA	NA
MW-9	8/4/1999	4,820	642 a	32.6	8.69	195	121	23.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.19	NA	133.71	NA	1.9
MW-9	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	12.30	NA	133.60	NA	NA
MW-9	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	NA
MW-9	2/8/2000	3,260	1,620 a	21.4	<5.00	128	94.2	426	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	7.50	NA	138.40	NA	0.5/2.8
MW-9	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	7.73	NA	138.17	NA	f
MW-9	8/15/2000	6,610	830	<10.0	<10.0	149	114	71.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	5.28	NA	140.62	NA	1.4/2.7
MW-9	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	11.73	NA	134.17	NA	NA
MW-9	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.36	NA	137.54	NA	NA
MW-9	2/2/2001	4,560	773	7.50	<2.50	53.5	26.8	168	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	1.2/0.8
MW-9	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.94	NA	136.96	NA	NA
MW-9	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.31	NA	137.59	NA	NA
MW-9	8/29/2001	3,700	<900	1.2	2.8	100	91	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	145.90	NA	NA	NA	NA	1.7/5.3
MW-9	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.90	8.53	NA	137.37	NA	NA
MW-9	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	9.46	NA	136.48	NA	NA
MW-9	11/13/2001	2,000	<400	<0.50	1.0	52	21	NA	<0.50	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.94	6.79	NA	139.15	NA	1.2/1.1
MW-9	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	4.16	NA	141.78	NA	NA
MW-9	01/15/2002 i	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	3.45	NA	142.49	NA	NA
MW-09	2/12/2002	1,900	<600	3.9	1.0	38	9.7	NA	15	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.94	5.58	NA	140.36	NA	2.5/4.0
MW-09	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	5.36	NA	140.58	NA	NA
MW-09	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	8.70	NA	137.24	NA	NA
MW-09	5/14/2002	1,400	<300	0.88	<0.50	18	6.3	NA	66	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.94	10.20	NA	135.74	NA	0.8/0.9
MW-09	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	11.25	NA	134.69	NA	NA
MW-09	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.94	12.76	NA	133.18	NA	NA
MW-09	8/13/2002	800	<200	<0.50	<0.50	1.8	0.91	NA	190	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.94	13.65	NA	132.29	NA	1.1/1.9
MW-9	12/02/2002 i	2,000	<700	<0.50	<0.50	3.0	0.65	NA	82	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.94	12.90	NA	133.04	NA	NA
MW-9	2/19/2003	1,600	<600	2.0	<0.50	2.4	1.3	NA	95	NA	NA	NA	NA	NA	NA	NA	NA	145.94	4.63	NA	141.31	NA	NA
MW-9	5/13/2003	2,000	<600	0.78	<0.50	1.9	2.8	NA	49	NA	NA	NA	<50	NA	NA	NA	NA	145.94	5.23	NA	140.71	NA	NA

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MW-9	8/6/2003	240 a	160 a	<1.0	<1.0	<1.0	<2.0	NA	100	NA	NA	NA	260	NA	NA	NA	NA	145.94	11.15	NA	134.79	NA	NA
MW-9	11/25/2003	2,400 a	470 a	<1.0	<1.0	<1.0	<2.0	NA	22	NA	NA	NA	120	NA	NA	NA	NA	145.94	13.29	NA	132.65	NA	NA
MW-9	3/2/2004	1,200 a	360 a	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	36	NA	NA	<0.50	NA	145.94	3.88	NA	142.06	NA	NA
MW-9	5/24/2004	1,400	150 a	<1.0	<1.0	<1.0	<2.0	NA	13	NA	NA	NA	81	NA	NA	NA	NA	145.94	10.79	NA	135.15	NA	NA
MW-9	**8/25/2004**	**240**	**150 k**	**<0.50**	**<0.50**	**0.81**	**3.8**	**NA**	**7.9**	**NA**	**NA**	**NA**	**210**	**NA**	**NA**	**NA**	**NA**	**145.94**	**13.92**	**NA**	**132.02**	**NA**	**NA**
MW-10	8/18/1989	2,500	1,500	44	130	<1.5	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	11/2/1989	5,400	770	110	33	14	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	2/21/1990	9,800	2,400	4,000	210	150	950	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	5/3/1990	8,700	3,000	5,000	320	140	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	8/15/1990	12,000	1,300	3,800	170	<0.5	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	11/7/1990	6,100	<50	3,800	130	<0.5	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.03	NA	133.81	NA	NA
MW-10	3/7/1991	60,000	18,000	4,600	1,300	600	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	4.80	NA	141.04	NA	NA
MW-10	6/5/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	9.73	NA	136.11	0.03	NA
MW-10	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	11.77	NA	134.07	0.02	NA
MW-10	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.95	NA	132.89	1.45	NA
MW-10	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	10.64	NA	135.20	0.16	NA
MW-10	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	8.19	NA	137.65	0.17	NA
MW-10	8/25/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.59	NA	133.25	1.10	NA
MW-10	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	14.04	NA	131.80	0.89	NA
MW-10	11/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.88	NA	132.96	0.07	NA
MW-10	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	7.67	NA	138.17	0.82	NA
MW-10	2/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	4.23	NA	141.61	0.81	NA
MW-10	5/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	NA	NA	NA	NA	NA
MW-10	8/3/1993	29,000	18,000	3,500	590	590	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.48	NA	133.36	NA	NA
MW-10	11/16/1993	20,000	4,000,000	2,800	470	450	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.38	NA	132.46	NA	NA
MW-10	2/16/1994	26,000	72,000	3,700	540	480	3,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	8.98	NA	136.86	NA	NA
MW-10	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	9.33	NA	136.51	NA	NA
MW-10	8/17/1994	130,000	200,000	4,300	2,100	1,800	8,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	11.90	NA	133.94	NA	NA
MW-10	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	8.20	NA	138.76	1.40	NA
MW-10	2/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	2.79	NA	143.08	0.04	NA
MW-10	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	6.20	NA	139.67	0.04	NA
MW-10	9/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.45	NA	133.42	0.04	NA
MW-10	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.65	NA	132.77	0.72	NA
MW-10	2/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	3.02	NA	143.37	0.69	NA
MW-10	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	8.46	NA	137.38	NA	NA
MW-10	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.78	NA	133.06	NA	NA
MW-10	9/5/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.47	NA	133.37	NA	NA
MW-10	9/19/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.80	NA	133.04	NA	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-10	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.32	NA	133.52	NA	NA
MW-10	10/28/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.19	NA	132.67	0.03	NA
MW-10	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.92	NA	132.94	0.03	NA
MW-10	11/14/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.18	NA	132.66	NA	NA
MW-10	12/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	7.44	NA	138.40	NA	NA
MW-10	2/26/1997	29,000	32,000	1,300	170	310	1,200	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	5.56	NA	140.28	NA	NA
MW-10	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	10.78	NA	135.06	NA	NA
MW-10	8/11/1997	39,000	23,000 a	2,700	360	910	2,100	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.47	NA	132.37	NA	NA
MW-10	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	6.73	NA	139.11	NA	NA
MW-10	2/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	4.22	NA	143.69	2.59	NA
MW-10	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	4.20	NA	143.76	2.65	NA
MW-10	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	9.82	NA	138.06	2.55	NA
MW-10	08/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.73	NA	134.08	1.21	NA
MW-10	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	9.13	NA	137.52	1.01	NA
MW-10	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	10.81	9.83	135.85	1.02	NA
MW-10	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	10.25	9.37	136.29	0.88	NA
MW-10	8/4/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.74	13.38	132.39	0.36	NA
MW-10	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.91	NA	131.93	NA	NA
MW-10	10/26/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	14.88	13.75	131.86	1.13	NA
MW-10	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.91	12.45	133.30	0.46	NA
MW-10	12/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	12.20	11.48	134.22	0.72	NA
MW-10	1/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	13.65	12.98	132.73	0.67	NA
MW-10	2/8/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	7.64	7.13	138.61	0.51	NA
MW-10	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.84	3.45	3.23	142.57	0.22	NA
MW-10	4/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27 h	6.14	6.12	140.15	0.02	NA
MW-10	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	7.59	7.32	138.90	0.27	NA
MW-10	6/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	8.17	8.15	138.12	0.02	NA
MW-10	7/6/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	8.47	NA	137.80	NA	NA
MW-10	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	8.46	8.44	137.83	0.02	NA
MW-10	9/21/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	11.91	11.30	134.85	0.61	NA
MW-10	10/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	13.50	13.42	132.83	0.08	NA
MW-10	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	12.41	12.20	134.03	0.21	NA
MW-10	12/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	12.81	12.32	133.85	0.49	NA
MW-10	1/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	12.80	12.55	133.67	0.25	NA
MW-10	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	8.58	8.48	137.77	0.10	NA
MW-10	3/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	5.00	4.91	141.34	0.09	NA
MW-10	4/9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	8.94	8.92	137.35	0.02	NA
MW-10	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	9.21	9.18	137.08	0.03	NA
MW-10	6/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	12.68	12.65	133.61	0.03	NA
MW-10	7/26/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	11.29	11.27	135.00	0.02	NA

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MW-10	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	12.17	12.12	134.14	0.05	NA
MW-10	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.27	11.41	11.40	134.87	0.01	NA
MW-10	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	11.96	NA	134.16	NA	NA
MW-10	11/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	9.18	9.15	136.96	0.03	NA
MW-10	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	5.18	NA	140.94	NA	NA
MW-10	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	3.93	3.92	142.20	0.01	NA
MW-10	2/12/2002	8,800	35,000	82	26	340	680	NA	7.1	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	146.12	6.03	NA	140.09	NA	0.6/0.2
MW-10	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	5.83	NA	140.29	NA	NA
MW-10	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	9.03	NA	137.09	NA	NA
MW-10	5/14/2002	4,300	15,000	150	12	130	170	NA	12	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	146.12	10.64	NA	135.48	NA	0.9/0.7
MW-10	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	11.60	NA	134.52	NA	NA
MW-10	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	13.02	NA	133.10	NA	NA
MW-10	8/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	13.74	13.70	132.41	0.04	NA
MW-10	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	14.36	13.15	132.73	1.21	NA
MW-10	2/19/2003	7,100	7,500	210	34	320	530	NA	7.8	NA	NA	NA	NA	NA	NA	NA	NA	146.12	4.65	NA	141.47	NA	NA
MW-10	5/13/2003	4,900	9,500	50	7.4	120	160	NA	9.5	NA	NA	NA	<50	NA	NA	NA	NA	146.12	6.25	NA	139.87	NA	NA
MW-10	8/6/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	12.01	11.98	134.13	0.03	NA
MW-10	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	13.61	13.53	132.57	0.08	NA
MW-10	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	3.64	3.61	142.50	0.03	NA
MW-10	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	146.12	11.23	11.20	134.91	0.03	NA
MW-10	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**146.12**	**14.65**	**14.12**	**131.89**	**0.53**	**NA**
MW-11	8/17/1989	1,100	1,000	540	24	2	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	11/2/1989	13,000	1,400	710	350	30	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	2/21/1990	1,100	1,300	47	<6	<7.2	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	5/3/1990	710	1,100	1	<0.5	4	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	8/14/1990	720	830	200	8	3	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	11/7/1990	300	970	86	70	1	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.37	NA	133.74	NA	NA
MW-11	3/7/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	5.59	NA	141.52	0.01	NA
MW-11	6/5/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.56	NA	136.55	0.05	NA
MW-11	8/19/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.13	NA	134.98	0.07	NA
MW-11	10/31/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.35	NA	134.76	0.01	NA
MW-11	2/5/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	11.14	NA	135.97	0.04	NA
MW-11	5/7/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.04	NA	138.07	0.09	NA
MW-11	8/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.40	NA	133.71	0.15	NA
MW-11	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.34	NA	133.77	0.27	NA
MW-11	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.52	NA	132.59	0.34	NA
MW-11	11/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.51	NA	134.60	<0.01	NA
MW-11	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.32	NA	138.79	NA	NA
MW-11	2/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	4.54	NA	142.57	0.03	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-11	5/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.03	NA	137.08	0.04	NA
MW-11	8/3/1993	33,000	4,000	3,400	580	570	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.47	NA	134.64	NA	NA
MW-11	11/16/1993	6,100	150,000	96	18	54	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.18	NA	132.93	NA	NA
MW-11	2/16/1994	10,000	33,000	410	80	150	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.23	NA	137.88	NA	NA
MW-11	5/18/1994	4,500	2,600	660	45	67	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.53	NA	136.58	NA	NA
MW-11	8/17/1994	250,000	140,000	2,300	480	3,900	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.29	NA	133.82	NA	NA
MW-11	11/16/1994	20,000	360,000	670	120	330	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.27	NA	138.84	NA	NA
MW-11	2/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	3.76	NA	143.39	0.05	NA
MW-11	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	7.18	NA	139.96	0.04	NA
MW-11	9/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.45	NA	133.70	0.05	NA
MW-11	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.40	NA	132.85	0.18	NA
MW-11	2/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	4.22	NA	142.91	0.02	NA
MW-11	5/9/1996	51,000	53,200	590	550	570	970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	7.00	NA	140.11	NA	NA
MW-11	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.07	NA	134.04	NA	NA
MW-11	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.97	NA	133.16	0.03	NA
MW-11	2/26/1997	6,000	77,000	270	17	44	77	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	6.24	NA	140.88	0.01	NA
MW-11	5/14/1997	11,000	27,000	520	150	63	130	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.20	NA	136.92	0.01	NA
MW-11	8/11/1997	3,800	11,300	190	11	18	17	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.50	NA	132.61	NA	NA
MW-11	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.54	NA	138.75	0.23	NA
MW-11	2/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	6.22	NA	140.94	0.06	NA
MW-11	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	3.20	NA	144.02	0.14	NA
MW-11	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.93	NA	138.22	0.05	NA
MW-11	08/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	11.78	NA	135.39	0.07	NA
MW-11	12/16/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.91	NA	138.27	0.09	NA
MW-11	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.94	9.50	137.52	0.44	NA
MW-11	5/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.72	9.31	137.72	0.41	NA
MW-11	8/4/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.03	13.60	133.42	0.43	NA
MW-11	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.11	NA	133.00	NA	NA
MW-11	10/26/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	16.75	14.86	131.87	1.89	NA
MW-11	11/10/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.90	12.67	134.39	0.23	NA
MW-11	12/6/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.23	12.65	134.34	0.58	NA
MW-11	1/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	15.01	14.14	132.80	0.87	NA
MW-11	2/8/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	8.60	8.37	138.69	0.23	NA
MW-11	3/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	4.51	4.34	142.74	0.17	NA
MW-11	4/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	7.18	7.15	139.95	0.03	NA
MW-11	5/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	7.94	7.89	139.21	0.05	NA
MW-11	6/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.88	9.83	137.27	0.05	NA
MW-11	7/6/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.66	10.62	136.48	0.04	NA
MW-11	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	11.12	11.08	136.02	0.04	NA
MW-11	9/21/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	12.74	12.72	134.39	0.02	NA

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MW-11	10/10/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	15.00	14.35	132.63	0.65	NA
MW-11	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.20	NA	133.91	NA	1.4/2.6
MW-11	11/8/2000	22,400	22,200	1,320	107	364	1,120	66.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	NA	NA	NA	NA	NA
MW-11	12/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.56	13.29	133.77	0.27	NA
MW-11	1/8/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	14.93	14.54	132.49	0.39	NA
MW-11	2/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.62	9.40	137.67	0.22	NA
MW-11	3/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	6.05	5.81	141.25	0.24	NA
MW-11	4/9/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	9.92	9.86	137.24	0.06	NA
MW-11	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	10.19	10.13	136.97	0.06	NA
MW-11	6/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.40	13.90	134.11	0.50	NA
MW-11	7/26/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.31	13.03	134.02	0.28	NA
MW-11	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.31	13.19	133.90	0.12	NA
MW-11	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.11	13.87	13.36	133.65	0.51	NA
MW-11	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	14.57	13.78	133.13	0.79	NA
MW-11	11/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	11.85	11.36	135.61	0.49	NA
MW-11	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	6.65	6.19	140.79	0.46	NA
MW-11	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	5.20	4.94	142.08	0.26	NA
MW-11	2/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	6.73	6.72	140.35	0.01	NA
MW-11	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	6.17	NA	140.90	NA	NA
MW-11	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	9.82	NA	137.25	NA	NA
MW-11	5/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	11.56	11.54	135.53	0.02	NA
MW-11	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	12.75	12.74	134.33	0.01	NA
MW-11	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	14.49	13.75	133.17	0.74	NA
MW-11	8/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	15.10	14.48	132.47	0.62	NA
MW-11	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	14.67	14.55	132.50	0.12	NA
MW-11	2/19/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	5.35	5.31	141.75	0.04	NA
MW-11	5/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	7.08	7.03	140.03	0.05	NA
MW-11	8/6/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	13.32	12.29	133.77	0.03	NA
MW-11	11/25/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	14.93	14.41	132.56	0.52	NA
MW-11	3/2/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	5.26	5.21	141.85	0.05	NA
MW-11	5/24/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.07	11.24	11.20	135.86	0.04	NA
MW-11	**8/25/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**147.07**	**15.47**	**14.96**	**132.01**	**0.51**	**NA**
MW-12	12/3/1991	210	<50	26	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	13.06	NA	132.17	NA	NA
MW-12	8/25/1992	6,200	1,100	3,200	14	110	58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.60	NA	132.63	NA	NA
MW-12	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	13.00	NA	132.23	NA	NA
MW-12	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	13.64	NA	131.59	NA	NA
MW-12	11/27/1992	6,000	3,600	1,300	74	89	73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	11.63	NA	133.60	NA	NA
MW-12	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.20	NA	136.03	NA	NA
MW-12	2/11/1993	21,000	1,700	4,600	1,600	780	3,600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	5.00	NA	140.23	NA	NA

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MW-12	5/21/1993	15,000	1,300	5,300	780	910	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.14	NA	136.09	NA	NA
MW-12	8/3/1993	9,000	1,900	430	28	38	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.57	NA	134.66	NA	NA
MW-12	11/16/1993	5,200	980	1,700	7	13	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.88	NA	132.35	NA	NA
MW-12	2/16/1994	17,000	1,800	3,200	540	370	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	7.98	NA	137.25	NA	NA
MW-12	5/18/1994	38,000	5,900	6,900	1,300	1,400	4,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.99	NA	135.24	NA	NA
MW-12	8/17/1994	8,000	1,500	2,900	9	46	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.82	NA	132.41	NA	NA
MW-12	11/16/1994	27,000	3,000	4,200	2,100	890	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	8.97	NA	136.26	NA	NA
MW-12	2/14/1995	39,000	2,800 a	7,000	3,600	820	5,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	4.13	NA	141.10	NA	NA
MW-12	5/24/1995	42,000	2,500	9,700	2,700	1,900	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	7.77	NA	137.46	NA	NA
MW-12	9/8/1995	9,400 c	1,400	2,800	37	140	83	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.03	NA	133.20	NA	NA
MW-12	11/22/1995	2,100	630	440	6	5	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	13.40	NA	131.83	NA	NA
MW-12	2/22/1996	2,000	810	370	110	59	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	3.24	NA	141.99	NA	NA
MW-12	5/9/1996	36,000	1,480 a	6,600	1,500	1,500	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	7.85	NA	137.38	NA	NA
MW-12	8/27/1996	11,000	80	3,200	61	190	220	3,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	11.78	NA	133.45	NA	NA
MW-12	10/29/1996	2,300	280 a	130	9	11	18	3,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	13.04	NA	132.19	NA	NA
MW-12	2/26/1997	33,000	1,700 a	4,200	1,000	880	3,200	9,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	6.64	NA	138.59	NA	NA
MW-12	5/14/1997	12,000	1,270 a	2,700	54	150	240	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.20	NA	135.03	NA	NA
MW-12	8/11/1997	5,400	<50	88	11	24	43	6,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.88	NA	132.35	NA	NA
MW-12	11/20/1997	3,100	<50	370	16	20	21	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.00	NA	136.23	NA	NA
MW-12	2/10/1998	106	160 a,e	620	70	88	310	2,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	3.01	NA	142.22	NA	NA
MW-12	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	2.59	NA	142.64	NA	NA
MW-12	5/26/1998	16,000	3,400	3,300	240	660	1,900	7,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	7.21	NA	138.02	NA	NA
MW-12	08/19/1998	6,100	2,200	1,600	51	78	180	7,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	11.18	NA	134.05	NA	1.6
MW-12	12/16/1998	18,200	2,970	4,230	486	838	2,520	11,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.22	NA	136.01	NA	1.7
MW-12	2/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.02	NA	136.21	NA	NA
MW-12	5/19/1999	6,710	1,300	2,060	181	174	472	12,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.23	NA	136.00	NA	1.8
MW-12	8/4/1999	3,620	3,690	307	<25.0	83.2	274	11,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.62	NA	134.61	NA	1.9
MW-12	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.79	NA	134.44	NA	NA
MW-12	11/10/1999	542	427 a	90.2	59.0	20.3	46.5	5,830	4,870	NA	NA	NA	NA	NA	NA	NA	NA	145.23	11.99	NA	133.24	NA	2.0*
MW-12	2/8/2000	<1,000	264 a	<10.0	<10.0	<10.0	<10.0	2,430	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	8.01	NA	137.22	NA	0.9/1.1
MW-12	5/3/2000	749	363	63.6	6.85	54.5	65.2	1,250	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	7.84	NA	137.39	NA	1.1/3.1
MW-12	8/15/2000	4,370	862	194	23.8	162	<10.0	1,230	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.48	NA	134.75	NA	1.5/2.8
MW-12	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	11.69	NA	133.54	NA	1.9/2.0
MW-12	11/8/2000	4,460	1,760	357	26.2	51.2	44.2	2,910	3,280	NA	NA	NA	NA	NA	NA	NA	NA	145.23	NA	NA	NA	NA	NA
MW-12	2/1/2001	3,030	687	225	21.7	46.7	41.5	1,880	2,050g	NA	NA	NA	NA	NA	NA	NA	NA	145.23	9.38	NA	135.85	NA	1.4/0.9
MW-12	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	10.44	NA	134.79	NA	NA
MW-12	5/22/2001	3,500	<800	840	26	36	59	NA	3,300	NA	NA	NA	NA	NA	NA	NA	NA	145.23	NA	NA	NA	NA	3.20/2.31
MW-12	8/28/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.61	NA	132.62	NA	NA
MW-12	8/29/2001	1,900	700	38	4.7	27	34	NA	170	NA	NA	NA	NA	NA	NA	NA	NA	145.23	NA	NA	NA	NA	1.4/5.8
MW-12	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.23	12.94	NA	132.29	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-12	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	13.28	NA	132.01	NA	NA
MW-12	11/13/2001	6,000	<1,300	92	15	200	200	NA	120	<2.0	<2.0	<2.0	1,100	<1,000	<500	<2.0	<2.0	145.29	10.19	NA	135.10	NA	0.8/2.0
MW-12	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	7.20	NA	138.09	NA	NA
MW-12	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	4.74	NA	140.55	NA	NA
MW-12	2/12/2002	19,000	<1,600	4,600	1,100	740	1,400	NA	10,000	<20	<20	<20	5,100	<2,100	<500	<20	<20	145.29	6.59	NA	138.70	NA	1.5/1.9
MW-12	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	6.28	NA	139.01	NA	NA
MW-12	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	8.70	NA	136.59	NA	NA
MW-12	5/14/2002	6,900	<400	1,900	42	13	37	NA	1,700	<10	<10	<10	7,300	<6,000	<500	<10	<10	145.29	9.96	NA	135.33	NA	1.5/0.6
MW-12	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	10.65	NA	134.64	NA	NA
MW-12	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	12.08	NA	133.21	NA	NA
MW-12	8/13/2002	1,800	<800	66	<5.0	<5.0	11	NA	53	<5.0	<5.0	<5.0	7,700	<1,000	<500	<5.0	<5.0	145.29	12.87	NA	132.42	NA	0.8/1.8
MW-12	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.29	13.13	NA	132.16	NA	NA
MW-12	12/3/2002	990	<500	7.0	<5.0	<5.0	7.8	NA	12	<5.0	<5.0	<5.0	6,900	<1,000	<500	<5.0	<5.0	145.29	NA	NA	NA	NA	NA
MW-12	2/19/2003	16,000	<2,300	1,600	330	500	1,100	NA	3,400	NA	NA	NA	NA	NA	NA	NA	NA	145.29	6.38	NA	138.91	NA	NA
MW-12	5/13/2003	9,700	<3,000	1,500	140	150	400	NA	2,100	NA	NA	NA	6,100	NA	NA	NA	NA	145.29	7.29	NA	138.00	NA	NA
MW-12	8/6/2003	4,800	1,300 a, c	1,700	52	<25	94	NA	1,500	NA	NA	NA	11,000	NA	NA	NA	NA	145.29	11.15	NA	134.14	NA	NA
MW-12	11/25/2003	4,000	680 a	29	<10	<10	25	NA	35	NA	NA	NA	8,600	NA	NA	NA	NA	145.29	13.07	NA	132.22	NA	NA
MW-12	3/2/2004	5,600	750 a	1,300	150	210	330	NA	920	NA	NA	NA	2,800	NA	NA	<10	NA	145.29	4.87	NA	140.42	NA	NA
MW-12	5/24/2004	7,700	1,400 a	1,800	94	24	150	NA	290	NA	NA	NA	7,300	NA	NA	NA	NA	145.29	10.10	NA	135.19	NA	NA
MW-12	**8/25/2004**	**4,700**	**930 k**	**70**	**10**	**<10**	**50**	**NA**	**17**	**NA**	**NA**	**NA**	**11,000**	**NA**	**NA**	**NA**	**NA**	**145.29**	**13.29**	**NA**	**132.00**	**NA**	**NA**
MW-13	12/3/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.50	NA	132.54	NA	NA
MW-13	8/25/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.13	NA	132.91	NA	NA
MW-13	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.73	NA	133.31	NA	NA
MW-13	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.94	NA	132.10	NA	NA
MW-13	11/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.49	NA	133.55	NA	NA
MW-13	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	7.33	NA	137.71	NA	NA
MW-13	2/11/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	3.79	NA	141.25	NA	NA
MW-13	5/21/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	8.68	NA	136.36	NA	NA
MW-13	8/3/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	10.41	NA	134.63	NA	NA
MW-13	11/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.20	NA	132.84	NA	NA
MW-13	2/16/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	6.42	NA	138.62	NA	NA
MW-13	5/18/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	6.64	NA	138.40	NA	NA
MW-13	8/17/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.90	NA	133.14	NA	NA
MW-13	11/16/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	8.78	NA	136.26	NA	NA
MW-13	2/14/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	3.22	NA	141.82	NA	NA
MW-13	5/24/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	5.93	NA	139.11	NA	NA
MW-13	9/8/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.91	NA	133.13	NA	NA
MW-13	11/22/1995	<50	100	<0.5	<0.5	<0.5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.71	NA	132.33	NA	NA
MW-13	2/22/1996	<50	62	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	3.04	NA	142.00	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-13	5/9/1996	<50	447a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	6.45	NA	138.59	NA	NA
MW-13	8/27/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.55	NA	133.49	NA	NA
MW-13	10/29/1996	<50	70 a	<0.5	<0.5	<0.5	<0.5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.20	NA	132.84	NA	NA
MW-13	2/26/1997	<50	120 a	<0.5	<0.5	<0.5	2	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	5.51	NA	139.53	NA	NA
MW-13	5/14/1997	<50	190 a	1	<0.5	<0.5	<0.5	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	10.41	NA	134.63	NA	NA
MW-13	8/11/1997	<50	<50 c	<0.5	<0.5	<0.5	<0.5	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	12.83	NA	132.21	NA	NA
MW-13	11/20/1997	550	<50 a	13	<1.0	<1.0	16	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	8.03	NA	137.01	NA	NA
MW-13	2/10/1998	<50	340 a,e	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	2.08	NA	142.96	NA	NA
MW-13	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	1.59	NA	143.45	NA	NA
MW-13	5/26/1998	<50	61	<0.30	<0.30	<0.30	<0.60	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	7.27	NA	137.77	NA	NA
MW-13	08/19/1998	<50	73	<0.50	<0.50	<0.50	<0.50	9.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.31	NA	133.73	NA	2.9
MW-13	12/16/1998	<50.0	149	<0.500	<0.500	<0.500	<0.500	17.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	7.45	NA	137.59	NA	2.6
MW-13	2/16/1999	<50.0	114	<0.500	<0.500	<0.500	<0.500	16.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	9.39	NA	135.65	NA	2.2
MW-13	5/19/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	8.41	NA	136.63	NA	1.1
MW-13	8/4/1999	<50.0	74.5 a	<0.500	<0.500	<0.500	<0.500	22.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.81	NA	133.23	NA	1.0
MW-13	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.90	NA	133.14	NA	NA
MW-13	11/10/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	65.9	68.5	NA	NA	NA	NA	NA	NA	NA	NA	145.04	13.21	NA	131.83	NA	1.1*
MW-13	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	15.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	7.21	NA	137.83	NA	1.2/3.4
MW-13	5/3/2000	<50.0	179	<0.500	<0.500	<0.500	<0.500	88.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	6.55	NA	138.49	NA	1.7/2.9
MW-13	8/15/2000	<50.0	64.7	<0.500	<0.500	<0.500	<0.500	12.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	7.73	NA	137.31	NA	2.5/2.8
MW-13	11/7/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	18.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	11.39	NA	133.65	NA	1.1/4.3
MW-13	2/1/2001	<50.0	55.1	<0.500	<0.500	<0.500	<0.500	13.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	8.21	NA	136.83	NA	1.9/3.6
MW-13	5/21/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	145.04	10.50	NA	134.54	NA	1.91/2.19
MW-13	8/28/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	12	NA	NA	NA	NA	NA	NA	NA	NA	145.04	10.36	NA	134.68	NA	0.9/1.3
MW-13	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.04	10.45	NA	134.59	NA	NA
MW-13	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	10.91	NA	134.16	NA	NA
MW-13	11/13/2001	<50	720	<0.50	<0.50	<0.50	<0.50	NA	3.8	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.07	8.74	NA	136.33	NA	0.9/5.1
MW-13	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	5.07	NA	140.00	NA	NA
MW-13	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	3.66	NA	141.41	NA	NA
MW-13	2/12/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	3.3	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.07	5.45	NA	139.62	NA	2.9/2.1
MW-13	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	5.38	NA	139.69	NA	NA
MW-13	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	8.28	NA	136.79	NA	NA
MW-13	5/14/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1.1	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.07	9.89	NA	135.18	NA	1.4/1.3
MW-13	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	10.80	NA	134.27	NA	NA
MW-13	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.07	12.26	NA	132.81	NA	NA
MW-13	8/13/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	2.9	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.07	12.90	NA	132.17	NA	1.0/2.2
MW-13	12/2/2002	<50	62	<0.50	<0.50	<0.50	<0.50	NA	11	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.07	12.60	NA	132.47	NA	NA
MW-13	2/19/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	145.07	4.50	NA	140.57	NA	NA
MW-13	5/13/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	0.87	NA	NA	NA	<50	NA	NA	NA	NA	145.07	5.25	NA	139.82	NA	NA
MW-13	8/6/2003	<50	59 a	<0.50	<0.50	<0.50	<1.0	NA	0.81	NA	NA	NA	<5.0	NA	NA	NA	NA	145.07	10.46	NA	134.61	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-13	11/25/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.5	NA	NA	NA	<5.0	NA	NA	NA	NA	145.07	12.74	NA	132.33	NA	NA
MW-13	3/2/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.68	NA	NA	NA	<5.0	NA	NA	<0.50	NA	145.07	4.26	NA	140.81	NA	NA
MW-13	5/24/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.74	NA	NA	NA	<5.0	NA	NA	NA	NA	145.07	9.43	NA	135.64	NA	NA
MW-13	**8/25/2004**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**0.61**	**NA**	**NA**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**145.07**	**13.35**	**NA**	**131.72**	**NA**	**NA**
MW-14	5/24/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	8.37	NA	139.40	NA	NA
MW-14	9/8/1995	<50	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.42	NA	133.35	NA	NA
MW-14	11/22/1995	<50	180	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	15.35	NA	132.42	NA	NA
MW-14	2/22/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	4.82	NA	142.95	NA	NA
MW-14	5/9/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-14	8/27/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-14	10/29/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-14	2/26/1997	<50	90a	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	7.70	NA	140.07	NA	NA
MW-14	5/14/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.87	NA	134.90	NA	NA
MW-14	8/11/1997	<50	170 a,c	<0.5	<0.5	<0.5	<0.5	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	15.34	NA	132.43	NA	NA
MW-14	11/20/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.51	NA	137.26	NA	NA
MW-14	2/10/1998	<50	280 a,e	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	6.31	NA	141.46	NA	NA
MW-14	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	3.99	NA	143.78	NA	NA
MW-14	5/26/1998	<50	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.11	NA	137.66	NA	NA
MW-14	08/19/1998	<50	81	<0.50	<0.50	<0.50	<0.50	45	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	12.83	NA	134.94	NA	1.8
MW-14	12/16/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.60	NA	137.17	NA	2.0
MW-14	2/16/1999	<50.0	96	<0.500	<0.500	<0.500	<0.500	132	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.76	NA	137.01	NA	2.1
MW-14	5/19/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.07	NA	136.70	NA	NA
MW-14	8/4/1999	<50.0	54.2 a	<0.500	<0.500	<0.500	<0.500	19.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.78	NA	132.99	NA	1.9
MW-14	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.82	NA	132.95	NA	NA
MW-14	11/10/1999	<50.0	72.0 a	<0.500	<0.500	<0.500	<0.500	70.5	75.5	NA	NA	NA	NA	NA	NA	NA	NA	147.77	16.18	NA	131.59	NA	2.0*
MW-14	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	11.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	10.03	NA	137.74	NA	2.7/2.3
MW-14	5/3/2000	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-14	5/17/2000	<50.0	167	0.890	1.06	<0.500	0.947	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	9.52	NA	138.25	NA	f
MW-14	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.48	NA	134.29	NA	2.2/2.5
MW-14	8/16/2000	<50.0	57.0	<0.500	<0.500	<0.500	<0.500	6.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	NA	NA	NA	NA	NA
MW-14	11/7/2000	<50.0	127	<0.500	<0.500	<0.500	<0.500	44.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.40	NA	133.37	NA	1.2/0.9
MW-14	2/1/2001	<50.0	70.0	<0.500	<0.500	<0.500	<0.500	9.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	11.11	NA	136.66	NA	2.9/2.1
MW-14	5/21/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	23	NA	NA	NA	NA	NA	NA	NA	NA	147.77	13.21	NA	134.56	NA	1.63/2.7
MW-14	8/28/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.76	NA	133.01	NA	2.4/2.4
MW-14	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.77	14.90	NA	132.87	NA	NA
MW-14	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	15.27	NA	132.52	NA	NA
MW-14	11/13/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	32	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.79	13.04	NA	134.75	NA	3.2/3.8
MW-14	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	8.07	NA	139.72	NA	NA
MW-14	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	7.48	NA	140.31	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-14	2/12/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	0.68	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.79	7.99	NA	139.80	NA	1.6/1.9
MW-14	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	7.52	NA	140.27	NA	NA
MW-14	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	10.14	NA	137.65	NA	NA
MW-14	5/14/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	18	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.79	12.77	NA	135.02	NA	1.0/1.4
MW-14	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	12.21	NA	135.58	NA	NA
MW-14	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	147.79	14.90	NA	132.89	NA	NA
MW-14	8/13/2002	<50	53	<0.50	<0.50	<0.50	<0.50	NA	170	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.79	15.55	NA	132.24	NA	1.1/1.9
MW-14	12/2/2002	<50	60	<0.50	<0.50	<0.50	<0.50	NA	450	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	147.79	15.35	NA	132.44	NA	NA
MW-14	2/19/2003	<50	140	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	147.79	6.61	NA	141.18	NA	NA
MW-14	5/13/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	<50	NA	NA	NA	NA	147.79	7.73	NA	140.06	NA	NA
MW-14	8/6/2003	<50	52 a	<0.50	<0.50	<0.50	<1.0	NA	4.1	NA	NA	NA	<5.0	NA	NA	NA	NA	147.79	13.95	NA	133.84	NA	NA
MW-14	11/25/2003	<250	89 a	<2.5	<2.5	<2.5	<5.0	NA	340	NA	NA	NA	<25	NA	NA	NA	NA	147.79	15.51	NA	132.28	NA	NA
MW-14	3/2/2004	<50	110 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	<0.50	NA	147.79	5.33	NA	142.46	NA	NA
MW-14	5/24/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	0.51	NA	NA	NA	<5.0	NA	NA	NA	NA	147.79	13.14	NA	134.65	NA	NA
MW-14	**8/25/2004**	**<250**	**85 a**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**380**	**NA**	**NA**	**NA**	**<25**	**NA**	**NA**	**NA**	**NA**	**147.79**	**15.97**	**NA**	**131.82**	**NA**	**NA**
MW-15	5/24/1995	<50	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	8.16	NA	140.21	NA	NA
MW-15	9/8/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	13.25	NA	135.12	NA	NA
MW-15	11/22/1995	<50	<50	<0.5	<0.5	<0.5	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.27	NA	134.10	NA	NA
MW-15	2/22/1996	<50	170	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	4.82	NA	143.55	NA	NA
MW-15	5/9/1996	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	8/27/1996	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	10/29/1996	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	2/26/1997	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	5/14/1997	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	9/16/1997	<50	90	<0.5	<0.5	<0.5	<0.6	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.30	NA	134.07	NA	NA
MW-15 (D)	9/16/1997	<50	90a	<0.5	<0.5	<0.5	1	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.30	NA	134.07	NA	NA
MW-15	11/20/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	10.20	NA	138.17	NA	NA
MW-15	2/10/1998	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	2/25/1998	<50	300	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	4.13	NA	144.24	NA	NA
MW-15	5/26/1998	<50	340	<0.30	<0.30	<0.30	<0.60	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	10.05	NA	138.32	NA	NA
MW-15	08/19/1998	<50	240	<0.50	<0.50	<0.50	2.4	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	13.75	NA	134.62	NA	1.2
MW-15	12/16/1998	<50.0	363	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	10.60	NA	137.77	NA	1.7
MW-15	2/16/1999	<50.0	63	<0.500	<0.500	<0.500	<0.500	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	11.82	NA	136.55	NA	1.6
MW-15	5/19/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	8/4/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.67	14.96	NA	133.71	NA	NA
MW-15	8/20/1999	<50.0	108	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.80	NA	133.57	NA	NA
MW-15	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	15.03	NA	133.34	NA	NA
MW-15	11/10/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	58.5	86.4	NA	NA	NA	NA	NA	NA	NA	NA	148.37	16.36	NA	132.01	NA	1.4*
MW-15	2/8/2000	<50.0	164 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	10.32	NA	138.05	NA	1.1/2.3

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-15	5/3/2000	<50.0	950	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	9.82	NA	138.55	NA	1.3/2.0
MW-15	8/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.62	NA	133.75	NA	2.1/2.5
MW-15	8/16/2000	<50.0	161	<0.500	<0.500	<0.500	<0.500	4.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	11/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	13.94	NA	134.43	NA	1.2/1.4
MW-15	11/8/2000	<50.0	224	<0.500	<0.500	<0.500	<0.500	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	2/1/2001	<50.0	299	<0.500	<0.500	<0.500	0.530	24.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	10.65	NA	137.72	NA	1.7/2.1
MW-15	5/21/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	13.20	NA	135.17	NA	NA
MW-15	5/22/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	3.89/1.99
MW-15	8/28/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	8/29/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	148.37	15.84	NA	132.53	NA	1.9/4.6
MW-15	9/11/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	16.36	NA	132.01	NA	NA
MW-15	11/13/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	18	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	148.37	13.47	NA	134.90	NA	1.5/3.2
MW-15	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	8.25	NA	140.12	NA	NA
MW-15	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	5.87	NA	142.50	NA	NA
MW-15	2/12/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	2/13/2002	<50	220	<0.50	<0.50	<0.50	<0.50	NA	2.7	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	148.37	8.11	NA	140.26	NA	1.2/1.0
MW-15	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	7.55	NA	140.82	NA	NA
MW-15	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	9.88	NA	138.49	NA	NA
MW-15	5/14/2002	<50	730	<0.50	<0.50	<0.50	<0.50	NA	5.4	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	148.37	12.14	NA	136.23	NA	1.2/3.1
MW-15	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	11.91	NA	136.46	NA	NA
MW-15	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	14.51	NA	133.86	NA	NA
MW-15	8/13/2002	<50	140	<0.50	<0.50	<0.50	<0.50	NA	16	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	148.37	15.22	NA	133.15	NA	0.9/4.1
MW-15	12/2/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	2/19/2003	<50	120	<0.50	<0.50	<0.50	<0.50	NA	4.0	NA	NA	NA	NA	NA	NA	NA	NA	148.37	6.50	NA	141.87	NA	NA
MW-15	5/13/2003	<50	600	<0.50	<0.50	<0.50	<0.50	NA	1.7	NA	NA	NA	<50	NA	NA	NA	NA	148.37	7.80	NA	140.57	NA	NA
MW-15	8/6/2003	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	13.98	NA	134.39	NA	NA
MW-15	11/25/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	12/16/2003	<50	180 a	<0.50	<0.50	<0.50	<1.0	NA	11	NA	NA	NA	<5.0	NA	NA	NA	NA	148.37	10.50	NA	137.87	NA	NA
MW-15	3/2/2004	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	148.37	NA	NA	NA	NA	NA
MW-15	3/29/2004	<50	270 a	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	<5.0	NA	NA	<0.50	NA	148.37	8.52	NA	139.85	NA	NA
MW-15	5/24/2004	<50	260 a	<0.50	<0.50	<0.50	<1.0	NA	2.1	NA	NA	NA	<5.0	NA	NA	NA	NA	148.37	12.53	NA	135.84	NA	NA
MW-15	**8/25/2004**	**<50**	**170 a**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**10**	**NA**	**NA**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**148.37**	**15.42**	**NA**	**132.95**	**NA**	**NA**
MW-16	5/24/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	6.75	NA	137.52	NA	NA
MW-16	9/8/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.98	NA	133.29	NA	NA
MW-16	11/22/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	12.47	NA	131.80	NA	NA
MW-16	2/22/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	3.41	NA	140.86	NA	NA
MW-16	5/9/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	6.55	NA	137.72	NA	NA
MW-16	8/27/1996	<50	1,400	1	<0.5	<0.5	<0.5	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.87	NA	133.40	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-16	10/29/1996	<50	51 a	<0.5	<0.5	<0.5	<0.5	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	12.05	NA	132.22	NA	NA
MW-16	2/26/1997	<50	200 a	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	5.81	NA	138.46	NA	NA
MW-16	5/14/1997	<50	320 a	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.65	NA	135.62	NA	NA
MW-16	8/11/1997	<50	<50 c	<0.5	<0.5	<0.5	<0.5	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	12.03	NA	132.24	NA	NA
MW-16	11/20/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.81	NA	135.46	NA	NA
MW-16	2/10/1998	<50	40 a,e	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	3.93	NA	140.34	NA	NA
MW-16	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	1.72	NA	142.55	NA	NA
MW-16	5/26/1998	<50	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	6.91	NA	137.36	NA	NA
MW-16	08/19/1998	<50	61	<0.50	<0.50	<0.50	<0.50	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.41	NA	133.86	NA	1.4
MW-16	12/16/1998	<50.0	114	<0.500	<0.500	<0.500	<0.500	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.41	NA	135.86	NA	1.4
MW-16	2/16/1999	<50.0	112	<0.500	<0.500	<0.500	<0.500	134	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	9.16	NA	135.11	NA	2.0
MW-16	5/19/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.85	NA	135.42	NA	0.9
MW-16	8/4/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	246	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.91	NA	133.36	NA	1.6
MW-16	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.94	NA	133.33	NA	NA
MW-16	11/10/1999	<50.0	53.0 a	<0.500	<0.500	<0.500	<0.500	30.0	30.2	NA	NA	NA	NA	NA	NA	NA	NA	144.27	11.78	NA	132.49	NA	1.7*
MW-16	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	61.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	7.69	NA	136.58	NA	1.5/3.2
MW-16	5/3/2000	<50.0	98.6	10.6	<0.500	<0.500	1.23	348	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.11	NA	136.16	NA	1.9/2.7
MW-16	8/15/2000	<1,000	146	31.0	<10.0	<10.0	<10.0	1,610	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.64	NA	133.63	NA	2.2/2.7
MW-16	11/7/2000	<250	54.2	<2.50	<2.50	<2.50	<2.50	559	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	10.92	NA	133.35	NA	1.1/8.4
MW-16	2/1/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	124	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	8.58	NA	135.69	NA	1.8/1.2
MW-16	5/21/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	66	NA	NA	NA	NA	NA	NA	NA	NA	144.27	9.54	NA	134.73	NA	3.81/2.10
MW-16	8/28/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	144.27	12.32	NA	131.95	NA	0.7/2.4
MW-16	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.27	12.51	NA	131.76	NA	NA
MW-16	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	13.11	NA	131.19	NA	NA
MW-16	11/13/2001	<50	600	<0.50	<0.50	<0.50	<0.50	NA	33	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.30	9.67	NA	134.63	NA	1.2/4.0
MW-16	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	6.34	NA	137.96	NA	NA
MW-16	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	3.75	NA	140.55	NA	NA
MW-16	2/12/2002	<50	620	<0.50	<0.50	<0.50	<0.50	NA	3.7	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.30	5.64	NA	138.66	NA	2.4/2.4
MW-16	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	5.04	NA	139.26	NA	NA
MW-16	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	7.92	NA	136.38	NA	NA
MW-16	5/14/2002	<50	940	<0.50	<0.50	<0.50	<0.50	NA	8.9	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.30	9.09	NA	135.21	NA	0.9/1.1
MW-16	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	9.83	NA	134.47	NA	NA
MW-16	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.30	11.27	NA	133.03	NA	NA
MW-16	8/13/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	20	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.30	12.00	NA	132.30	NA	1.0/1.9
MW-16	12/2/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	37	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.30	12.35	NA	131.95	NA	NA
MW-16	2/19/2003	<50	5,200	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	144.30	4.61	NA	139.69	NA	NA
MW-16	5/13/2003	<50	600	<0.50	<0.50	<0.50	<0.50	NA	1.4	NA	NA	NA	<50	NA	NA	NA	NA	144.30	6.78	NA	137.52	NA	NA
MW-16	8/6/2003	<50	58 a	<0.50	<0.50	<0.50	<1.0	NA	4.2	NA	NA	NA	<5.0	NA	NA	NA	NA	144.30	11.05	NA	133.25	NA	NA
MW-16	11/25/2003	<50	83 a	<0.50	<0.50	<0.50	<1.0	NA	6.2	NA	NA	NA	11	NA	NA	NA	NA	144.30	12.68	NA	131.62	NA	NA
MW-16	3/2/2004	<50	160 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	NA	<0.50	NA	144.30	4.04	NA	140.26	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-16	5/24/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	<5.0	NA	NA	NA	NA	144.30	9.80	NA	134.50	NA	NA
MW-16	**8/25/2004**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**4.5**	**NA**	**NA**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**144.30**	**12.97**	**NA**	**131.33**	**NA**	**NA**
MW-17	5/24/1995	<50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	8.23	NA	136.04	NA	NA
MW-17	9/8/1995	<50	70	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.96	NA	132.31	NA	NA
MW-17	11/22/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	13.17	NA	131.10	NA	NA
MW-17	2/22/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	4.82	NA	140.73	NA	NA
MW-17	5/9/1996	<50	386 a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	8.20	NA	137.35	NA	NA
MW-17	8/27/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.92	NA	133.63	NA	NA
MW-17	10/29/1996	<50	51 a	<0.5	<0.5	<0.5	<0.5	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.96	NA	133.59	NA	NA
MW-17	2/26/1997	<50	160 a	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	7.22	NA	138.33	NA	NA
MW-17	5/14/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	10.50	NA	135.05	NA	NA
MW-17	8/11/1997	<50	<50 c	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	12.84	NA	132.71	NA	NA
MW-17	11/20/1997	<50	<50 a	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.12	NA	134.43	NA	NA
MW-17 (D)	11/20/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.12	NA	134.43	NA	NA
MW-17	2/10/1998	<50	62 a,e	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	3.69	NA	141.86	NA	NA
MW-17	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	3.48	NA	142.07	NA	NA
MW-17	5/26/1998	<50	<50	<0.30	<0.30	<0.30	<0.60	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	8.66	NA	136.89	NA	NA
MW-17	08/19/1998	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.25	NA	134.30	NA	1.8
MW-17	12/16/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	10.00	NA	135.55	NA	2.0
MW-17	2/16/1999	<50.0	109	<0.500	<0.500	<0.500	<0.500	132	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	9.26	NA	136.29	NA	0.6
MW-17	5/19/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	9.07	NA	136.48	NA	1.1
MW-17	8/4/1999	<50.0	223 a	<0.500	<0.500	<0.500	<0.500	12.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.85	NA	133.70	NA	0.07
MW-17	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.90	NA	133.65	NA	NA
MW-17	11/10/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	19.7	22.2	NA	NA	NA	NA	NA	NA	NA	NA	145.55	13.33	NA	132.22	NA	0.06*
MW-17	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	25.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	9.58	NA	135.97	NA	1.0/4.3
MW-17	5/3/2000	<50.0	71.9	<0.500	<0.500	<0.500	<0.500	7.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	9.73	NA	135.82	NA	1.3/2.9
MW-17	8/15/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	5.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	11.85	NA	133.70	NA	1.7/2.9
MW-17	11/7/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	7.46	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	12.22	NA	133.33	NA	1.1/1.2
MW-17	2/1/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	10.19	NA	135.36	NA	1.4/1.0
MW-17	5/21/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	145.55	10.74	NA	134.81	NA	3.54/1.86
MW-17	8/28/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	145.55	13.91	NA	131.64	NA	2.2/2.2
MW-17	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.55	13.79	NA	131.76	NA	NA
MW-17	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	14.67	NA	130.85	NA	NA
MW-17	11/13/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	55	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.52	13.49	NA	132.03	NA	0.6/2.8
MW-17	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	8.43	NA	137.09	NA	NA
MW-17	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	5.38	NA	140.14	NA	NA
MW-17	2/12/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.52	7.07	NA	138.45	NA	2.8/2.6
MW-17	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	7.52	NA	138.00	NA	NA
MW-17	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	9.04	NA	136.48	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-17	5/14/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	21	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.52	10.08	NA	135.44	NA	0.8/1.3
MW-17	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	10.90	NA	134.62	NA	NA
MW-17	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.52	11.99	NA	133.53	NA	NA
MW-17	8/13/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	23	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.52	12.60	NA	132.92	NA	1.0/1.5
MW-17	12/2/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	51	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	145.52	13.10	NA	132.42	NA	NA
MW-17	2/19/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1.8	NA	NA	NA	NA	NA	NA	NA	NA	145.52	6.85	NA	138.67	NA	NA
MW-17	5/13/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	1.6	NA	NA	NA	<50	NA	NA	NA	NA	145.52	7.98	NA	137.54	NA	NA
MW-17	8/6/2003	<50	71 a	<0.50	<0.50	<0.50	<1.0	NA	11	NA	NA	NA	<5.0	NA	NA	NA	NA	145.52	11.48	NA	134.04	NA	NA
MW-17	11/25/2003	<50	61 a	<0.50	<0.50	<0.50	<1.0	NA	35	NA	NA	NA	<5.0	NA	NA	NA	NA	145.44 h	13.00	NA	132.44	NA	NA
MW-17	3/2/2004	<50	86 a	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	NA	NA	NA	145.44	5.83	NA	139.61	NA	NA
MW-17	5/24/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	<5.0	NA	NA	<0.50	NA	145.44	10.30	NA	135.14	NA	NA
MW-17	**8/25/2004**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**73**	**NA**	**NA**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**145.44**	**13.11**	**NA**	**132.33**	**NA**	**NA**
MW-18	5/24/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	6.98	NA	137.31	NA	NA
MW-18	9/8/1995	<50	360	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	10.82	NA	133.47	NA	NA
MW-18	11/22/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	11.97	NA	132.32	NA	NA
MW-18	2/22/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	3.20	NA	141.09	NA	NA
MW-18	5/9/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	6.55	NA	137.74	NA	NA
MW-18	8/27/1996	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	NA	NA	NA	NA	NA
MW-18	10/29/1996	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	NA	NA	NA	NA	NA
MW-18	2/26/1997	<50	110 a	<0.5	<0.5	<0.5	<0.5	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	5.93	NA	138.36	NA	NA
MW-18	5/14/1997	<50	<50	<0.5	<0.5	<0.5	1	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.24	NA	135.05	NA	NA
MW-18	8/11/1997	<50	<50 c	<0.5	<0.5	<0.5	<0.5	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	11.59	NA	132.70	NA	NA
MW-18	11/20/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.63	NA	134.66	NA	NA
MW-18	2/10/1998	<50	55 a,d,e	<0.5	<0.5	<0.5	<0.5	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	4.64	NA	139.65	NA	NA
MW-18	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	2.29	NA	142.00	NA	NA
MW-18	5/26/1998	<50	<50	<0.30	<0.30	<0.30	<0.60	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	7.12	NA	137.17	NA	NA
MW-18	08/19/1998	<50	<50	<0.50	<0.50	<0.50	<0.50	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.93	NA	134.36	NA	1.0
MW-18	12/16/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	147	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	8.71	NA	135.58	NA	1.4
MW-18	2/16/1999	<50.0	156	<0.500	<0.500	<0.500	<0.500	143	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	8.60	NA	135.69	NA	1.7
MW-18	5/19/1999	<50.0	55	<0.500	<0.500	<0.500	<0.500	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.43	NA	134.86	NA	1.3
MW-18	8/4/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	154	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	10.61	NA	133.68	NA	1.5
MW-18	9/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	10.73	NA	133.56	NA	NA
MW-18	11/10/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	166	189	NA	NA	NA	NA	NA	NA	NA	NA	144.29	11.95	NA	132.34	NA	1.6*
MW-18	2/8/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	138	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	8.13	NA	136.16	NA	0.4/0.4
MW-18	5/3/2000	<50.0	56.7	<0.500	<0.500	<0.500	<0.500	64.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.29	NA	135.00	NA	1.0/0.6
MW-18	8/15/2000	<250	<50.0	<2.50	<2.50	<2.50	<2.50	286	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	11.45	NA	132.84	NA	2.5/3.2
MW-18	11/7/2000	<250	<50.0	<2.50	<2.50	<2.50	<2.50	728	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	10.94	NA	133.35	NA	1.2/1.0
MW-18	2/1/2001	Well inacessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	NA	NA	NA	NA	NA
MW-18	5/21/2001	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,300	NA	NA	NA	NA	NA	NA	NA	NA	144.29	9.50	NA	134.79	NA	3.54/1.99

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-18	8/28/2001	<200	<50	<2.0	<2.0	<2.0	<2.0	NA	630	NA	NA	NA	NA	NA	NA	NA	NA	144.29	12.99	NA	131.30	NA	4.7/1.7
MW-18	9/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.29	12.52	NA	131.77	NA	NA
MW-18	10/16/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	13.13	NA	131.18	NA	NA
MW-18	11/13/2001	<250	<50	<2.5	<2.5	<2.5	<2.5	NA	1,800	<2.5	<2.5	<2.5	80	<1,000	<500	<2.5	<2.5	144.31	12.10	NA	132.21	NA	0.8/0.9
MW-18	12/11/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	7.17	NA	137.14	NA	NA
MW-18	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	4.21	NA	140.10	NA	NA
MW-18	2/12/2002	<100	<50	<1.0	<1.0	<1.0	<1.0	NA	290	<2.0	<2.0	<2.0	130	<1,000	<500	<2.0	<2.0	144.31	5.87	NA	138.44	NA	2.0/1.5
MW-18	3/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	6.18	NA	138.13	NA	NA
MW-18	4/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	7.84	NA	136.47	NA	NA
MW-18	5/14/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	300	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.31	8.96	NA	135.35	NA	1.9/1.2
MW-18	6/11/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	9.70	NA	134.61	NA	NA
MW-18	7/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	144.31	10.77	NA	133.54	NA	NA
MW-18	8/13/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	230	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.31	11.44	NA	132.87	NA	1.2/1.9
MW-18	12/2/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	230	<2.0	<2.0	<2.0	<50	<1,000	<500	<2.0	<2.0	144.31	11.90	NA	132.41	NA	NA
MW-18	2/19/2003	<50	62	<0.50	<0.50	<0.50	<0.50	NA	5.9	NA	NA	NA	NA	NA	NA	NA	NA	144.31	5.60	NA	138.71	NA	NA
MW-18	5/13/2003	<50	110	<0.50	<0.50	<0.50	<0.50	NA	6.5	NA	NA	NA	<50	NA	NA	NA	NA	144.31	6.77	NA	137.54	NA	NA
MW-18	8/6/2003	<50	<50 c	<0.50	<0.50	<0.50	<1.0	NA	160	NA	NA	NA	<5.0	NA	NA	NA	NA	144.31	10.31	NA	134.00	NA	NA
MW-18	11/25/2003	<200	53 c	<2.0	<2.0	<2.0	<4.0	NA	180	NA	NA	NA	<20	NA	NA	NA	NA	144.31	11.90	NA	132.41	NA	NA
MW-18	3/2/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	6.1	NA	NA	NA	<5.0	NA	NA	<0.50	NA	144.31	4.54	NA	139.77	NA	NA
MW-18	5/24/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	38	NA	NA	NA	14	NA	NA	NA	NA	144.31	9.18	NA	135.13	NA	NA
MW-18	**8/25/2004**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**150**	**NA**	**NA**	**NA**	**<5.0**	**NA**	**NA**	**NA**	**NA**	**144.31**	**11.94**	**NA**	**132.37**	**NA**	**NA**
EW-1	12/3/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	13.01	NA	NA	NA	NA
EW-1	8/25/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.52	NA	NA	0.24	NA
EW-1	9/14/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	13.06	NA	NA	0.43	NA
EW-1	10/19/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	13.84	NA	NA	0.57	NA
EW-1	11/27/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.07	NA	NA	0.17	NA
EW-1	12/21/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	7.96	NA	NA	0.16	NA
EW-1	2/11/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	NA	NA	NA	NA	NA
EW-1	5/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	NA	NA	NA	NA	NA
EW-1	8/3/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	11.50	NA	134.38	0.19	NA
EW-1	11/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	13.54	NA	132.34	0.41	NA
EW-1	2/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	7.95	NA	137.93	NA	NA
EW-1	5/18/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	3.21	NA	142.67	NA	NA
EW-1	8/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	21.18	NA	124.70	0.02	NA
EW-1	11/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	5.28	NA	140.60	0.50	NA
EW-1	2/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	3.21	NA	142.67	NA	NA
EW-1	5/24/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	6.92	NA	138.97	0.01	NA
EW-1	9/8/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.12	NA	133.79	0.04	NA
EW-1	11/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.75	NA	133.17	0.05	NA

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
EW-1	2/22/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	4.73	NA	141.16	0.01	NA
EW-1	5/9/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	7.24	NA	138.64	NA	NA
EW-1	8/27/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	11.22	NA	134.66	NA	NA
EW-1	10/29/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	11.18	NA	134.70	NA	NA
EW-1	2/26/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	7.03	NA	138.85	NA	NA
EW-1	5/14/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	10.92	NA	134.96	NA	NA
EW-1	8/11/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.94	NA	132.94	NA	NA
EW-1	11/20/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	12.70	NA	133.18	NA	NA
EW-1	2/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	1.43	NA	144.45	NA	NA
EW-1	2/25/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	1.32	NA	144.56	NA	NA
EW-1	5/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	7.21	NA	138.67	NA	NA
EW-1	08/19/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	145.88	10.08	NA	135.80	NA	NA
EW-1	12/16/1998	Well Destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to February 1, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to February 1, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = Ethylene Dibromide, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
n/n = Pre-purge/Post-purge
(D) = Duplicate sample
NA = Not Applicable

WELL CONCENTRATIONS
Shell-branded Service Station
255 Dutton Avenue
Santa Rosa, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Methanol (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)

Notes:
a = Chromatogram pattern indicates the presence of an unidentified hydrocarbon/Hydrocarbon reported does not match the pattern of the laboratory's standard.
b = Due to the high concentration of gasoline in the sample, there is a possibility of coelution of MTBE with one of the gasoline constituents.
However, based on the consistent retentior time for MTBE and acceptable LCS and LCSD recovery for MTBE the data was deemed acceptable and validated for reporting.
c = The sample was analyzed out of holding time. Results should be considered qualitatively.
d = Out of criteria due to sample matrix interference for TEPH.
e = Equipment blank contained 360 ug/L TEPH, and TEPH analysis exceeded hold time.
f = DO Readings not taken this event.
g = This result is the second run of this sample at a lower dilution; see lab cover sheet.
h = Top of casing elevation altered during wellhead maintenance.
i = Well ID changed to facilitate entry into Geotracker.
j = TOC raised 0.42' due to wellhead maintenance on May 24, 2004.
k = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's standard.
* = Pre-purge DO Readings were overlooked for this event.
Methanol and Ethanol analyzed by EPA Method 8260B.
Site surveyed September 24, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.
When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:
Corrected ground water elevation = Top-of-casing elevation - Depth to water + (0.8 x Hydrocarbon thickness).
Wells MW-1DZ and MW-3DZ located at 257 Dutton Avenue. Top of casing elevations provided by Cambria Environmental, Inc.

SEVERN TRENT STL

Submission#: 2004-08-0755

Blaine Tech Services, Inc.

September 13, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Josh Kerns

Project#: BTS#040825-DA2
Project: 98996133
Site: 255 Dutton Ave., Santa Rosa

Dear Mr. Kerns,

Attached is our report for your samples received on 08/27/2004 08:15
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	08/25/2004 15:40	Water	1
MW-6	08/25/2004 12:21	Water	2
MW-7	08/25/2004 14:36	Water	3
MW-8	08/25/2004 15:25	Water	4
MW-9	08/25/2004 14:10	Water	5
MW-12	08/25/2004 14:58	Water	6
MW-13	08/25/2004 11:00	Water	7
MW-14	08/25/2004 10:27	Water	8
MW-15	08/25/2004 13:20	Water	9
MW-16	08/25/2004 14:55	Water	10
MW-17	08/25/2004 15:15	Water	11
MW-18	08/25/2004 15:26	Water	12

Diesel (C9-C24)

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-1**	Lab ID:	2004-08-0755 - 1
Sampled:	08/25/2004 15:40	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Analysis Flag: o,rl (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	6100	500	ug/L	10.00	09/01/2004 10:56	edr
Surrogate(s)						
o-Terphenyl	NA	78-177	%	10.00	09/01/2004 10:56	sd

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-6**	Lab ID:	2004-08-0755 - 2
Sampled:	08/25/2004 12:21	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	100	50	ug/L	1.00	09/01/2004 10:28	ndp
Surrogate(s)						
o-Terphenyl	136.0	78-177	%	1.00	09/01/2004 10:28	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-7**	Lab ID:	2004-08-0755 - 3
Sampled:	08/25/2004 14:36	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1300	50	ug/L	1.00	08/31/2004 20:58	ndp
Surrogate(s)						
o-Terphenyl	145.6	78-177	%	1.00	08/31/2004 20:58	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-8**	Lab ID:	2004-08-0755 - 4
Sampled:	08/25/2004 15:25	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	82	50	ug/L	1.00	08/31/2004 21:25	ndp
Surrogate(s)						
o-Terphenyl	142.6	78-177	%	1.00	08/31/2004 21:25	

Diesel (C9-C24)

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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-9**	Lab ID:	2004-08-0755 - 5
Sampled:	08/25/2004 14:10	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	150	50	ug/L	1.00	08/31/2004 18:16	edr
Surrogate(s)						
o-Terphenyl	125.0	78-177	%	1.00	08/31/2004 18:16	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-12**	Lab ID:	2004-08-0755 - 6
Sampled:	08/25/2004 14:58	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	930	50	ug/L	1.00	08/31/2004 18:43	edr
Surrogate(s)						
o-Terphenyl	129.5	78-177	%	1.00	08/31/2004 18:43	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-13**	Lab ID:	2004-08-0755 - 7
Sampled:	08/25/2004 11:00	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/31/2004 19:10	
Surrogate(s)						
o-Terphenyl	125.0	78-177	%	1.00	08/31/2004 19:10	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-14**	Lab ID:	2004-08-0755 - 8
Sampled:	08/25/2004 10:27	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	85	50	ug/L	1.00	08/31/2004 19:37	ndp
Surrogate(s)						
o-Terphenyl	129.5	78-177	%	1.00	08/31/2004 19:37	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-15**	Lab ID:	2004-08-0755 - 9
Sampled:	08/25/2004 13:20	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	170	50	ug/L	1.00	08/31/2004 20:04	ndp
Surrogate(s)						
o-Terphenyl	130.6	78-177	%	1.00	08/31/2004 20:04	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-16**	Lab ID:	2004-08-0755 - 10
Sampled:	08/25/2004 14:55	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/31/2004 20:31	
Surrogate(s)						
o-Terphenyl	122.9	78-177	%	1.00	08/31/2004 20:31	

Diesel (C9-C24)

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-17**	Lab ID:	2004-08-0755 - 11
Sampled:	08/25/2004 15:15	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/31/2004 20:58	
Surrogate(s)						
o-Terphenyl	137.6	78-177	%	1.00	08/31/2004 20:58	

Diesel (C9-C24)

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Project: BTS#040825-DA2
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Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-18**	Lab ID:	2004-08-0755 - 12
Sampled:	08/25/2004 15:26	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/31/2004 21:25	
Surrogate(s)						
o-Terphenyl	132.3	78-177	%	1.00	08/31/2004 21:25	

Diesel (C9-C24)

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 3511 Test(s): 8015M

Method Blank **Water** **QC Batch # 2004/08/31-04.10**

MB: 2004/08/31-04.10-001 Date Extracted: 08/31/2004 12:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/31/2004 18:16	
Surrogates(s)					
o-Terphenyl	142.1	78-177	%	08/31/2004 18:16	

Diesel (C9-C24)

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 3511 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/08/31-04.10**

LCS 2004/08/31-04.10-002 Extracted: 08/31/2004 Analyzed: 08/31/2004 18:43
LCSD 2004/08/31-04.10-003 Extracted: 08/31/2004 Analyzed: 08/31/2004 19:10

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	490	563	680	72.1	82.8	13.8	60-150	25		
Surrogates(s)										
o-Terphenyl	1.49	1.60	1.25	119.2	128.2		78-177	0		

Diesel (C9-C24)

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Legend and Notes

Analysis Flag

o

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

rl

Reporting limits raised due to reduced sample size.

Result Flag

edr

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

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

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

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Attn.: Josh Kerns

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	08/25/2004 15:40	Water	1
MW-6	08/25/2004 12:21	Water	2
MW-7	08/25/2004 14:36	Water	3
MW-8	08/25/2004 15:25	Water	4
MW-9	08/25/2004 14:10	Water	5
MW-12	08/25/2004 14:58	Water	6
MW-13	08/25/2004 11:00	Water	7
MW-14	08/25/2004 10:27	Water	8
MW-15	08/25/2004 13:20	Water	9
MW-16	08/25/2004 14:55	Water	10
MW-17	08/25/2004 15:15	Water	11
MW-18	08/25/2004 15:26	Water	12

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

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2004-08-0755 - 1
Sampled:	08/25/2004 15:40	Extracted:	9/8/2004 14:24
Matrix:	Water	QC Batch#:	2004/09/08-1C.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	46000	2500	ug/L	50.00	09/08/2004 14:24	
Benzene	2500	25	ug/L	50.00	09/08/2004 14:24	
Toluene	650	25	ug/L	50.00	09/08/2004 14:24	
Ethylbenzene	1400	25	ug/L	50.00	09/08/2004 14:24	
Total xylenes	6300	50	ug/L	50.00	09/08/2004 14:24	
tert-Butyl alcohol (TBA)	11000	250	ug/L	50.00	09/08/2004 14:24	
Methyl tert-butyl ether (MTBE)	8200	25	ug/L	50.00	09/08/2004 14:24	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	09/08/2004 14:24	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	09/08/2004 14:24	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	09/08/2004 14:24	
Surrogate(s)						
1,2-Dichloroethane-d4	114.3	76-130	%	50.00	09/08/2004 14:24	
Toluene-d8	105.7	78-115	%	50.00	09/08/2004 14:24	

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

Blaine Tech Services, Inc.

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2004-08-0755 - 2
Sampled:	08/25/2004 12:21	Extracted:	9/8/2004 14:47
Matrix:	Water	QC Batch#:	2004/09/08-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2004 14:47	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 14:47	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 14:47	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2004 14:47	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2004 14:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2004 14:47	
Methyl tert-butyl ether (MTBE)	160	0.50	ug/L	1.00	09/08/2004 14:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/08/2004 14:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/08/2004 14:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/08/2004 14:47	
Surrogate(s)						
1,2-Dichloroethane-d4	110.6	76-130	%	1.00	09/08/2004 14:47	
Toluene-d8	104.7	78-115	%	1.00	09/08/2004 14:47	

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

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7**	Lab ID:	2004-08-0755 - 3
Sampled:	08/25/2004 14:36	Extracted:	9/8/2004 15:09
Matrix:	Water	QC Batch#:	2004/09/08-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1900	50	ug/L	1.00	09/08/2004 15:09	
Benzene	50	0.50	ug/L	1.00	09/08/2004 15:09	
Toluene	2.3	0.50	ug/L	1.00	09/08/2004 15:09	
Ethylbenzene	5.3	0.50	ug/L	1.00	09/08/2004 15:09	
Total xylenes	7.8	1.0	ug/L	1.00	09/08/2004 15:09	
tert-Butyl alcohol (TBA)	12	5.0	ug/L	1.00	09/08/2004 15:09	
Methyl tert-butyl ether (MTBE)	22	0.50	ug/L	1.00	09/08/2004 15:09	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/08/2004 15:09	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/08/2004 15:09	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/08/2004 15:09	
Surrogate(s)						
1,2-Dichloroethane-d4	113.7	76-130	%	1.00	09/08/2004 15:09	
Toluene-d8	100.1	78-115	%	1.00	09/08/2004 15:09	

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

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98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8**	Lab ID:	2004-08-0755 - 4
Sampled:	08/25/2004 15:25	Extracted:	9/8/2004 10:48
Matrix:	Water	QC Batch#:	2004/09/08-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2004 10:48	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 10:48	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 10:48	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2004 10:48	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2004 10:48	
tert-Butyl alcohol (TBA)	800	5.0	ug/L	1.00	09/08/2004 10:48	
Methyl tert-butyl ether (MTBE)	2.3	0.50	ug/L	1.00	09/08/2004 10:48	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/08/2004 10:48	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/08/2004 10:48	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/08/2004 10:48	
Surrogate(s)						
1,2-Dichloroethane-d4	110.2	76-130	%	1.00	09/08/2004 10:48	
Toluene-d8	101.3	78-115	%	1.00	09/08/2004 10:48	

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

Blaine Tech Services, Inc.

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9**	Lab ID:	2004-08-0755 - 5
Sampled:	08/25/2004 14:10	Extracted:	9/8/2004 16:16
Matrix:	Water	QC Batch#:	2004/09/08-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	240	50	ug/L	1.00	09/08/2004 16:16	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 16:16	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 16:16	
Ethylbenzene	0.81	0.50	ug/L	1.00	09/08/2004 16:16	
Total xylenes	3.8	1.0	ug/L	1.00	09/08/2004 16:16	
tert-Butyl alcohol (TBA)	210	5.0	ug/L	1.00	09/08/2004 16:16	
Methyl tert-butyl ether (MTBE)	7.9	0.50	ug/L	1.00	09/08/2004 16:16	
Surrogate(s)						
1,2-Dichloroethane-d4	110.1	76-130	%	1.00	09/08/2004 16:16	
Toluene-d8	100.4	78-115	%	1.00	09/08/2004 16:16	

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

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-12**	Lab ID:	2004-08-0755 - 6
Sampled:	08/25/2004 14:58	Extracted:	9/8/2004 00:07
Matrix:	Water	QC Batch#:	2004/09/07-02.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4700	1000	ug/L	20.00	09/08/2004 00:07	
Benzene	70	10	ug/L	20.00	09/08/2004 00:07	
Toluene	10	10	ug/L	20.00	09/08/2004 00:07	
Ethylbenzene	ND	10	ug/L	20.00	09/08/2004 00:07	
Total xylenes	50	20	ug/L	20.00	09/08/2004 00:07	
tert-Butyl alcohol (TBA)	11000	100	ug/L	20.00	09/08/2004 00:07	
Methyl tert-butyl ether (MTBE)	17	10	ug/L	20.00	09/08/2004 00:07	
Surrogate(s)						
1,2-Dichloroethane-d4	98.6	76-130	%	20.00	09/08/2004 00:07	
Toluene-d8	104.7	78-115	%	20.00	09/08/2004 00:07	

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

Blaine Tech Services, Inc.

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-13**	Lab ID:	2004-08-0755 - 7
Sampled:	08/25/2004 11:00	Extracted:	9/8/2004 20:23
Matrix:	Water	QC Batch#:	2004/09/08-02.62

Analysis Flag: ,gs (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2004 20:23	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 20:23	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 20:23	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2004 20:23	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2004 20:23	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2004 20:23	
Methyl tert-butyl ether (MTBE)	0.61	0.50	ug/L	1.00	09/08/2004 20:23	
Surrogate(s)						
1,2-Dichloroethane-d4	97.2	76-130	%	1.00	09/08/2004 20:23	
Toluene-d8	111.6	78-115	%	1.00	09/08/2004 20:23	

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

Blaine Tech Services, Inc.

Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-14**	Lab ID:	2004-08-0755 - 8
Sampled:	08/25/2004 10:27	Extracted:	9/8/2004 12:28
Matrix:	Water	QC Batch#:	2004/09/08-1A.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	09/08/2004 12:28	
Benzene	ND	2.5	ug/L	5.00	09/08/2004 12:28	
Toluene	ND	2.5	ug/L	5.00	09/08/2004 12:28	
Ethylbenzene	ND	2.5	ug/L	5.00	09/08/2004 12:28	
Total xylenes	ND	5.0	ug/L	5.00	09/08/2004 12:28	
tert-Butyl alcohol (TBA)	ND	25	ug/L	5.00	09/08/2004 12:28	
Methyl tert-butyl ether (MTBE)	380	2.5	ug/L	5.00	09/08/2004 12:28	
Surrogate(s)						
1,2-Dichloroethane-d4	110.9	76-130	%	5.00	09/08/2004 12:28	
Toluene-d8	105.9	78-115	%	5.00	09/08/2004 12:28	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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San Jose, CA 95112-1105
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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-15**	Lab ID:	2004-08-0755 - 9
Sampled:	08/25/2004 13:20	Extracted:	9/8/2004 12:50
Matrix:	Water	QC Batch#:	2004/09/08-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2004 12:50	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 12:50	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 12:50	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2004 12:50	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2004 12:50	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2004 12:50	
Methyl tert-butyl ether (MTBE)	10	0.50	ug/L	1.00	09/08/2004 12:50	
Surrogate(s)						
1,2-Dichloroethane-d4	102.0	76-130	%	1.00	09/08/2004 12:50	
Toluene-d8	102.6	78-115	%	1.00	09/08/2004 12:50	

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

Blaine Tech Services, Inc.
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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-16**	Lab ID:	2004-08-0755 - 10
Sampled:	08/25/2004 14:55	Extracted:	9/7/2004 21:31
Matrix:	Water	QC Batch#:	2004/09/07-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/07/2004 21:31	
Benzene	ND	0.50	ug/L	1.00	09/07/2004 21:31	
Toluene	ND	0.50	ug/L	1.00	09/07/2004 21:31	
Ethylbenzene	ND	0.50	ug/L	1.00	09/07/2004 21:31	
Total xylenes	ND	1.0	ug/L	1.00	09/07/2004 21:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/07/2004 21:31	
Methyl tert-butyl ether (MTBE)	4.5	0.50	ug/L	1.00	09/07/2004 21:31	
Surrogate(s)						
1,2-Dichloroethane-d4	105.5	76-130	%	1.00	09/07/2004 21:31	
Toluene-d8	106.3	78-115	%	1.00	09/07/2004 21:31	

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

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-17**	Lab ID:	2004-08-0755 - 11
Sampled:	08/25/2004 15:15	Extracted:	9/8/2004 13:12
Matrix:	Water	QC Batch#:	2004/09/08-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/08/2004 13:12	
Benzene	ND	0.50	ug/L	1.00	09/08/2004 13:12	
Toluene	ND	0.50	ug/L	1.00	09/08/2004 13:12	
Ethylbenzene	ND	0.50	ug/L	1.00	09/08/2004 13:12	
Total xylenes	ND	1.0	ug/L	1.00	09/08/2004 13:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/08/2004 13:12	
Methyl tert-butyl ether (MTBE)	73	0.50	ug/L	1.00	09/08/2004 13:12	
Surrogate(s)						
1,2-Dichloroethane-d4	91.0	76-130	%	1.00	09/08/2004 13:12	
Toluene-d8	98.1	78-115	%	1.00	09/08/2004 13:12	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-18**	Lab ID:	2004-08-0755 - 12
Sampled:	08/25/2004 15:26	Extracted:	9/7/2004 22:16
Matrix:	Water	QC Batch#:	2004/09/07-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/07/2004 22:16	
Benzene	ND	0.50	ug/L	1.00	09/07/2004 22:16	
Toluene	ND	0.50	ug/L	1.00	09/07/2004 22:16	
Ethylbenzene	ND	0.50	ug/L	1.00	09/07/2004 22:16	
Total xylenes	ND	1.0	ug/L	1.00	09/07/2004 22:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/07/2004 22:16	
Methyl tert-butyl ether (MTBE)	150	0.50	ug/L	1.00	09/07/2004 22:16	
Surrogate(s)						
1,2-Dichloroethane-d4	102.6	76-130	%	1.00	09/07/2004 22:16	
Toluene-d8	95.8	78-115	%	1.00	09/07/2004 22:16	

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

Blaine Tech Services, Inc.

Attn.: Josh Kerns

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/09/07-02.62

MB: 2004/09/07-02.62-025

Date Extracted: 09/07/2004 19:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/07/2004 19:25	
Benzene	ND	0.5	ug/L	09/07/2004 19:25	
Toluene	ND	0.5	ug/L	09/07/2004 19:25	
Ethylbenzene	ND	0.5	ug/L	09/07/2004 19:25	
Total xylenes	ND	1.0	ug/L	09/07/2004 19:25	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/07/2004 19:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/07/2004 19:25	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/07/2004 19:25	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/07/2004 19:25	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/07/2004 19:25	
Surrogates(s)					
1,2-Dichloroethane-d4	92.6	76-130	%	09/07/2004 19:25	
Toluene-d8	105.2	78-115	%	09/07/2004 19:25	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/09/08-02.62**

MB: 2004/09/08-02.62-055 — Date Extracted: 09/08/2004 19:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 19:55	
Benzene	ND	0.5	ug/L	09/08/2004 19:55	
Toluene	ND	0.5	ug/L	09/08/2004 19:55	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 19:55	
Total xylenes	ND	1.0	ug/L	09/08/2004 19:55	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2004 19:55	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2004 19:55	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/08/2004 19:55	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/08/2004 19:55	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/08/2004 19:55	
Surrogates(s)					
1,2-Dichloroethane-d4	94.0	76-130	%	09/08/2004 19:55	
Toluene-d8	110.2	78-115	%	09/08/2004 19:55	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/09/08-1A.62**

MB: 2004/09/08-1A.62-044 — Date Extracted: 09/08/2004 10:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 10:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2004 10:44	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2004 10:44	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/08/2004 10:44	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/08/2004 10:44	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/08/2004 10:44	
Benzene	ND	0.5	ug/L	09/08/2004 10:44	
Toluene	ND	0.5	ug/L	09/08/2004 10:44	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 10:44	
Total xylenes	ND	1.0	ug/L	09/08/2004 10:44	
Surrogates(s)					
1,2-Dichloroethane-d4	93.2	76-130	%	09/08/2004 10:44	
Toluene-d8	105.2	78-115	%	09/08/2004 10:44	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/09/08-1C.64**

MB: 2004/09/08-1C.64-012 — Date Extracted: 09/08/2004 07:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 07:12	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2004 07:12	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2004 07:12	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/08/2004 07:12	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/08/2004 07:12	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/08/2004 07:12	
Benzene	ND	0.5	ug/L	09/08/2004 07:12	
Toluene	ND	0.5	ug/L	09/08/2004 07:12	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 07:12	
Total xylenes	ND	1.0	ug/L	09/08/2004 07:12	
Surrogates(s)					
1,2-Dichloroethane-d4	107.2	76-130	%	09/08/2004 07:12	
Toluene-d8	105.2	78-115	%	09/08/2004 07:12	

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

Blaine Tech Services, Inc.
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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/07-02.62**

LCS 2004/09/07-02.62-047 Extracted: 09/07/2004 Analyzed: 09/07/2004 20:47

LCSD 2004/09/07-02.62-009 Extracted: 09/07/2004 Analyzed: 09/07/2004 21:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	24.5	24.5	25.0	98.0	98.0	0.0	69-129	20		
Toluene	25.0	28.3	25.0	100.0	113.2	12.4	70-130	20		
Methyl tert-butyl ether (MTBE)	26.4	30.7	25.0	105.6	122.8	15.1	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	442	446	500	88.4	89.2		76-130			
Toluene-d8	521	569	500	104.2	113.8		78-115			

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

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/08-02.62**

LCS 2004/09/08-02.62-010 Extracted: 09/08/2004 Analyzed: 09/08/2004 19:10

LCSD 2004/09/08-02.62-033 Extracted: 09/08/2004 Analyzed: 09/08/2004 19:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	23.9	26.6	25.0	95.6	106.4	10.7	69-129	20		
Toluene	26.1	30.4	25.0	104.4	121.6	15.2	70-130	20		
Methyl tert-butyl ether (MTBE)	32.3	27.0	25.0	129.2	108.0	17.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	453	459	500	90.6	91.8		76-130			
Toluene-d8	495	536	500	99.0	107.2		78-115			

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

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Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/08-1A.62**

LCS 2004/09/08-1A.62-059 Extracted: 09/08/2004 Analyzed: 09/08/2004 09:59

LCSD 2004/09/08-1A.62-021 Extracted: 09/08/2004 Analyzed: 09/08/2004 10:21

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	30.6	28.1	25	122.4	112.4	8.5	65-165	20		
Benzene	26.8	23.9	25	107.2	95.6	11.4	69-129	20		
Toluene	27.1	25.5	25	108.4	102.0	6.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	438	428	500	87.6	85.6		76-130			
Toluene-d8	532	503	500	106.4	100.6		78-115			

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

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/08-1C.64**

LCS 2004/09/08-1C.64-027 Extracted: 09/08/2004 Analyzed: 09/08/2004 06:27

LCSD 2004/09/08-1C.64-049 Extracted: 09/08/2004 Analyzed: 09/08/2004 06:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.9	22.8	25	91.6	91.2	0.4	65-165	20		
Benzene	24.4	26.0	25	97.6	104.0	6.3	69-129	20		
Toluene	25.2	27.0	25	100.8	108.0	6.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	523	510	500	104.6	102.0		76-130			
Toluene-d8	518	537	500	103.6	107.4		78-115			

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

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/09/08-1C.64**

MW-8 >> MS

Lab ID: 2004-08-0755 - 004

MS: 2004/09/08-1C.64-040 Extracted: 09/08/2004 Analyzed: 09/08/2004 13:40
Dilution: 1.00

MSD: 2004/09/08-1C.64-002 Extracted: 09/08/2004 Analyzed: 09/08/2004 14:02
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	21.6	25.0	ND	25	86.4	100.0	14.6	69-129	20		
Toluene	22.4	25.2	ND	25	89.6	100.8	11.8	70-130	20		
Methyl tert-butyl ether	22.8	24.4	2.3	25	82.0	88.4	7.5	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	528	511		500	105.6	102.2		76-130			
Toluene-d8	535	528		500	107.0	105.6		78-115			

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Legend and Notes

Sample Comment

Lab ID: 2004-08-0755 -7

gs-Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 54 ug/L.

Analysis Flag

o

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

LAB: STL

SHELL Chain Of Custody Record

90437

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Denis Brown

2004-08-~~025~~ 0755

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 8/25/04

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSR
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
PROJECT CONTACT (Hardcopy or PDF Report to): Josh Kerns	
TELEPHONE: 916-925-2913	FAX: 916-925-2891
E-MAIL: jkerns@blainetech.com	
SITE ADDRESS (Street and City): 255 Dutton Ave., Santa Rosa	GLOBAL ID NO.: T0609700053
EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney	PHONE NO.: (707) 933-2366
E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: 040825-DA2
BTS #	
SAMPLER NAME(S) (Print): David Allbut	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 ☐

REQUESTED ANALYSIS

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

2°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA	EDB	Ethanol	Methanol	TEMPERATURE ON RECEIPT C°
✓	MW-1	8/25/04	1540	W	6	X	X	X	X	X	X					
✓	MW-6		1221			X	X	X	X	X	X					
✓	MW-7		1436			X	X	X	X	X	X					
✓	MW-8		1525			X	X	X	X	X	X					
✓	MW-9		1410			X	X	X	X	X						
✓	MW-12		1458			X	X	X	X	X						
✓	MW-13		1100			X	X	X	X	X						
✓	MW-14		1027			X	X	X	X	X						
✓	MW-15		1320			X	X	X	X	X						
✓	MW-16		1455			X	X	X	X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Allbut	[signature]	8/27/04	8:15
[signature]	Denise Harrington / STL-SF	8/27/04	10:45

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

10/16/00 Revision

Q&Q Graphic (714) 898-9102

LAB: STL

SHELL Chain Of Custody Record

90437

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Denis Brown

2004-08-0755

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 8/25/04

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSR
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
PROJECT CONTACT (Hardcopy or PDF Report to): Josh Kerns	
TELEPHONE: 916-925-2913	FAX: 916-925-2891
E-MAIL: jkerns@blainetech.com	
SITE ADDRESS (Street and City): 255 Dutton Ave., Santa Rosa	GLOBAL ID NO.: T0609700053
EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney	PHONE NO.: (707) 933-2366
E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: 040825-DA2 BTS #
SAMPLER NAME(S) (Print): David Allbut	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 ☐

REQUESTED ANALYSIS

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA	EDB	Ethanol	Methanol	TEMPERATURE ON RECEIPT C°
	✓ MW-17	8/25/04	1515	W	6	X	X	X	X	X						
	✓ MW-18	↓	1526	↓	↓	X	X	X	X	X						

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Allbut	[illegible]	8/27/04	8:15
[illegible]	Denise Harrington / STL-SF	8/27/04	10:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/10/00 Revision

OLD Graphic (714) 895-9702

SEVERN TRENT STL

Submission#: 2004-08-0746

Blaine Tech Services, Inc.

September 13, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Josh Kerns

Project#: BTS#040825-DA2
Project: 98996133
Site: 255 Dutton Ave., Santa Rosa

Dear Mr. Kerns,

Attached is our report for your samples received on 08/27/2004 08:15
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 10/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1DZ	08/25/2004 15:46	Water	1

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-1DZ**	Lab ID:	2004-08-0746 - 1
Sampled:	08/25/2004 15:46	Extracted:	8/31/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/31-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	550	50	ug/L	1.00	08/31/2004 19:37	ndp
Surrogate(s)						
o-Terphenyl	141.7	78-177	%	1.00	08/31/2004 19:37	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 3511 Test(s): 8015M

Method Blank **Water** **QC Batch # 2004/08/31-04.10**

MB: 2004/08/31-04.10-001 Date Extracted: 08/31/2004 12:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	08/31/2004 18:16	
Surrogates(s)					
o-Terphenyl	142.1	78-177	%	08/31/2004 18:16	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/08/31-04.10**

LCS 2004/08/31-04.10-002 Extracted: 08/31/2004 Analyzed: 08/31/2004 18:43
LCSD 2004/08/31-04.10-003 Extracted: 08/31/2004 Analyzed: 08/31/2004 19:10

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	490	563	680	72.1	82.8	13.8	60-150	25		
Surrogates(s)										
o-Terphenyl	1.49	1.60	1.25	119.2	128.2		78-177	0		

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

Blaine Tech Services, Inc.

Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1DZ	08/25/2004 15:46	Water	1

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

Blaine Tech Services, Inc.

Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1DZ**	Lab ID:	2004-08-0746 - 1
Sampled:	08/25/2004 15:46	Extracted:	9/8/2004 11:07
Matrix:	Water	QC Batch#:	2004/09/08-1A.68

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	09/08/2004 11:07	
Benzene	ND	2.5	ug/L	5.00	09/08/2004 11:07	
Toluene	ND	2.5	ug/L	5.00	09/08/2004 11:07	
Ethylbenzene	ND	2.5	ug/L	5.00	09/08/2004 11:07	
Total xylenes	ND	5.0	ug/L	5.00	09/08/2004 11:07	
tert-Butyl alcohol (TBA)	1300	25	ug/L	5.00	09/08/2004 11:07	
Methyl tert-butyl ether (MTBE)	350	2.5	ug/L	5.00	09/08/2004 11:07	
Surrogate(s)						
1,2-Dichloroethane-d4	110.0	76-130	%	5.00	09/08/2004 11:07	
Toluene-d8	101.2	78-115	%	5.00	09/08/2004 11:07	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/09/08-1A.68**

MB: 2004/09/08-1A.68-002
Date Extracted: 09/08/2004 07:02

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/08/2004 07:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/08/2004 07:02	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/08/2004 07:02	
Benzene	ND	0.5	ug/L	09/08/2004 07:02	
Toluene	ND	0.5	ug/L	09/08/2004 07:02	
Ethylbenzene	ND	0.5	ug/L	09/08/2004 07:02	
Total xylenes	ND	1.0	ug/L	09/08/2004 07:02	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	76-130	%	09/08/2004 07:02	
Toluene-d8	106.6	78-115	%	09/08/2004 07:02	

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

Blaine Tech Services, Inc.
Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/08-1A.68**

LCS 2004/09/08-1A.68-024 Extracted: 09/08/2004 Analyzed: 09/08/2004 06:24

LCSD 2004/09/08-1A.68-043 Extracted: 09/08/2004 Analyzed: 09/08/2004 06:43

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.5	25.6	25	94.0	102.4	8.6	65-165	20		
Benzene	27.5	24.7	25	110.0	98.8	10.7	69-129	20		
Toluene	24.2	24.7	25	96.8	98.8	2.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	448	457	500	89.6	91.4		76-130			
Toluene-d8	475	471	500	95.0	94.2		78-115			

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

Blaine Tech Services, Inc.

Attn.: Josh Kerns

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#040825-DA2
98996133

Received: 08/27/2004 08:15

Site: 255 Dutton Ave., Santa Rosa

Legend and Notes

Analysis Flag

o

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

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

SHELL Chain Of Custody Record

90432

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Denis Brown

2004-08-0746

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 8/25/04

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSR
SITE ADDRESS (Street and City): 255 Dutton Ave., Santa Rosa	GLOBAL ID NO.: T0609700053
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney	PHONE NO.: (707) 933-2366
E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: 040825-DA2 BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Josh Kerns	
TELEPHONE: 916-925-2913	FAX: 916-925-2891
E-MAIL: jkerns@blainetech.com	
SAMPLER NAME(S) (Print): David Allbut	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 ☐

REQUESTED ANALYSIS

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

2°C

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA	EDB	Ethanol	Methanol
	MW-10Z	8/25/04	1546	W	6	X	X	X	X	X					

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Allbut	[signature]	8/27/04	8:15
[signature]	Denise Harrington / STL-SF	8/27/04	10:45
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

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

10/18/00 Revision

QMQ Graphic (714) 693-9702

SEVERN TRENT STL

Submission#: 2004-09-0802

Cambria Environmental Sonoma October 11, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996133
Site: 255 Dutton Avenue, Santa Rosa, CA

Dear Mr. Magney:

Attached is our report for your samples received on 09/27/2004 13:50
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

Total Lead

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	09/24/2004 15:40	Soil	1

Total Lead

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**SP-1**	Lab ID:	2004-09-0802 - 1
Sampled:	09/24/2004 15:40	Extracted:	9/29/2004 10:55
Matrix:	Soil	QC Batch#:	2004/09/29-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	27	1.0	mg/Kg	1.00	09/29/2004 16:42	

Total Lead

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3050B
Test(s): 6010B

Method Blank **Soil** **QC Batch # 2004/09/29-04.15**

MB: 2004/09/29-04.15-097
Date Extracted: 09/29/2004 10:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	09/29/2004 15:33	

Total Lead

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2004/09/29-04.15**

LCS 2004/09/29-04.15-098 Extracted: 09/29/2004 Analyzed: 09/29/2004 15:38
LCSD 2004/09/29-04.15-099 Extracted: 09/29/2004 Analyzed: 09/29/2004 15:42

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	98.7	96.8	100.0	98.7	96.8	1.9	80-120	20		

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	09/24/2004 15:40	Soil	1

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**SP-1**	Lab ID:	2004-09-0802 - 1
Sampled:	09/24/2004 15:40	Extracted:	9/30/2004 05:48
Matrix:	Soil	QC Batch#:	2004/09/30-1A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	220	10	mg/Kg	10.00	09/30/2004 14:07	ldr
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	09/30/2004 14:07	sd

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M

Method Blank — **Soil** — **QC Batch # 2004/09/30-1A.10**

MB: 2004/09/30-1A.10-001 — Date Extracted: 09/30/2004 05:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/30/2004 09:51	
Surrogates(s)					
o-Terphenyl	94.4	60-130	%	09/30/2004 09:51	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/09/30-1A.10**

LCS 2004/09/30-1A.10-002 Extracted: 09/30/2004 Analyzed: 09/30/2004 10:18
LCSD 2004/09/30-1A.10-003 Extracted: 09/30/2004 Analyzed: 09/30/2004 10:46

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	34.4	37.9	41.6	82.7	91.3	9.9	60-130	25		
Surrogates(s)										
o-Terphenyl	18.8	19.6	20.0	94.2	97.9		60-130			

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Legend and Notes

Result Flag

ldr

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

sd

Surrogate recovery not reportable due to required dilution.

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	09/24/2004 15:40	Soil	1

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SP-1**	Lab ID:	2004-09-0802 - 1
Sampled:	09/24/2004 15:40	Extracted:	10/2/2004 15:30
Matrix:	Soil	QC Batch#:	2004/10/02-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/02/2004 15:30	
Benzene	ND	0.0050	mg/Kg	1.00	10/02/2004 15:30	
Toluene	ND	0.0050	mg/Kg	1.00	10/02/2004 15:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/02/2004 15:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/02/2004 15:30	
Surrogate(s)						
1,2-Dichloroethane-d4	100.5	76-124	%	1.00	10/02/2004 15:30	
Toluene-d8	85.1	75-116	%	1.00	10/02/2004 15:30	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

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

Method Blank **Soil** **QC Batch # 2004/10/02-1A.66**

MB: 2004/10/02-1A.66-014
Date Extracted: 10/02/2004 08:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	10/02/2004 08:14	
Benzene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Toluene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Ethyl benzene	ND	0.0050	mg/Kg	10/02/2004 08:14	
Total xylenes	ND	0.0050	mg/Kg	10/02/2004 08:14	
Surrogates(s)					
1,2-Dichloroethane-d4	90.8	76-124	%	10/02/2004 08:14	
Toluene-d8	94.2	75-116	%	10/02/2004 08:14	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/02-1A.66**

LCS 2004/10/02-1A.66-029 Extracted: 10/02/2004 Analyzed: 10/02/2004 07:29
LCSD 2004/10/02-1A.66-052 Extracted: 10/02/2004 Analyzed: 10/02/2004 07:52

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.0514	0.0550	0.05	102.8	110.0	6.8	69-129	20		
Toluene	0.0457	0.0480	0.05	91.4	96.0	4.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	426	453	500	85.2	90.6		76-124			
Toluene-d8	446	461	500	89.2	92.2		75-116			

Calscience
Environmental
Laboratories, Inc.

October 08, 2004

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

Subject: **Calscience Work Order No.: 04-10-0004**
Client Reference: 2004-09-0802 / 246-0173 / 98996133

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/1/2004 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 Assurance Program 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,

Ranjit K. K. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	10/01/04
Work Order No:	04-10-0004
Preparation:	DHS LUFT
Method:	DHS LUFT

Project: 2004-09-0802 / 246-0173 / 98996133

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1	**04-10-0004-1**	**09/24/04**	**Solid**	**10/04/04**	**10/04/04**	**041004L06**

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

Method Blank	**099-10-020-238**	**N/A**	**Solid**	**10/04/04**	**10/04/04**	**041004L06**

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

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received:	10/01/04
Work Order No:	04-10-0004
Preparation:	DHS LUFT
Method:	DHS LUFT

Project 2004-09-0802 / 246-0173 / 98996133

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-09-1700-1	Solid	FLAA	10/04/04	10/04/04	041004S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	85	82	50-130	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

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

Date Received:	N/A
Work Order No:	04-10-0004
Preparation:	DHS LUFT
Method:	DHS LUFT

Project: 2004-09-0802 / 246-0173 / 98996133

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-238	Solid	FLAA	10/04/04		041004L06

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	25.2	101	50-130	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-10-0004

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.
D	The analyte concentration was reported from analysis of the diluted sample.
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.

10-0004

SEVERN TRENT STL

Chain of Custody

Date Shipped: 9/30/2004

2004-09-0802 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

CalScience Analytical Laboratory
7440 Lincoln Way
Garden Grove, CA 92841

Project Manager: Melissa Brewer
Phone: Ext:
Fax: (925) 484-1096
Email: mbrewer@stl-inc.com

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

CL Submission #: 2004-09-0802
CL PO #:

Project #: 246-0173
Project Name: 98996133

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
SP-1	1	9/24/2004 3:40:00PM	Soil	
Subcontract - Organic Lead			LUFT	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY:	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: 1400 Time	Signature Time	Signature Time
Printed Name: M. VILLANUEVA Date: 9/30/04	Printed Name Date	Printed Name Date
Company: STL SF	Company	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature Time	Signature Time	Signature Time
Printed Name Date	Printed Name Date	Printed Name Date
Company	Company	Company

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 10 - 0004

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: STL

DATE: 10-01-04

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):

4.1 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
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: WB

COMMENTS:

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

SHELL Chain Of Custody Record

89214

Shell Project Manager to be Invoiced: Denis Brown

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT-HOUSTON

2004-09-0802

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9-27-04

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.

LOG CODE: CETS

SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa, CA

GLOBAL ID NO.: T0609700053

ADDRESS: 270 Perkins Street, Sonoma, CA 95476

EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney

PHONE NO.: 707-933-2366

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: 246-0173

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney

TELEPHONE: 707-933-2366

FAX: 707-935-6649

E-MAIL: tmangey@cambria-env.com

SAMPLER NAME(s) (Print): Scott Lewis

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 ☐

~~Preserve Excess Samples for EPA Method 8015~~

CC: Anne Wettstone at awettstone@cambria-env.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (See attached Sheet)						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	SP-1A through SP-1D	9/24	1540	SO	4															X						TEMPERATURE ON RECEIPT C° 4

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Lewis	[signature]	9/27/04	1350
[signature]	[signature]	9/27/04	1810
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/15/00 Revision

Q&Q Graphic (714) 838-9702

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

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE + DIESEL

VENDOR: ALLIED-BFI

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

CALIFORNIA - TRANSPORTATION AND RETAIL

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

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

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 — GASOLINE AND DIESEL

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

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

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

2004-09-0802

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

Appendix E

Certified Analytical Results

SEVERN TRENT STL

Submission#: 2004-09-0806

Cambria Environmental Sonoma October 08, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996133
Site: 255 Dutton Avenue, Santa Rosa, CA

Dear Mr. Magney:

Attached is our report for your samples received on 09/27/2004 13:50
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

Diesel (C9-C24)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-5-15`	09/24/2004 15:50	Soil	1
B-6-14`	09/24/2004 15:38	Soil	2

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-5-15`**	Lab ID:	2004-09-0806 - 1
Sampled:	09/24/2004 15:50	Extracted:	9/29/2004 06:15
Matrix:	Soil	QC Batch#:	2004/09/29-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/30/2004 12:46	
Surrogate(s)						
o-Terphenyl	81.9	60-130	%	1.00	09/30/2004 12:46	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**B-6-14`**	Lab ID:	2004-09-0806 - 2
Sampled:	09/24/2004 15:38	Extracted:	9/29/2004 06:15
Matrix:	Soil	QC Batch#:	2004/09/29-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	91	1.0	mg/Kg	1.00	09/30/2004 13:13	ndp
Surrogate(s)						
o-Terphenyl	85.3	60-130	%	1.00	09/30/2004 13:13	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M

Method Blank — **Soil** — **QC Batch # 2004/09/29-2A.10**

MB: 2004/09/29-2A.10-001 — Date Extracted: 09/29/2004 06:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/29/2004 11:07	
Surrogates(s)					
o-Terphenyl	93.6	60-130	%	09/29/2004 11:07	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/09/29-2A.10**

LCS 2004/09/29-2A.10-002 Extracted: 09/29/2004 Analyzed: 09/29/2004 10:37

LCSD 2004/09/29-2A.10-003 Extracted: 09/29/2004 Analyzed: 09/29/2004 11:05

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	33.2	29.2	41.6	79.8	70.2	12.8	60-130	25		
Surrogates(s)										
o-Terphenyl	17.5	16.8	20.0	87.7	84.1		60-130			

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
B-5-15`	09/24/2004 15:50	Soil	1
B-6-14`	09/24/2004 15:38	Soil	2

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-5-15`**	Lab ID:	2004-09-0806 - 1
Sampled:	09/24/2004 15:50	Extracted:	10/6/2004 22:16
Matrix:	Soil	QC Batch#:	2004/10/06-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	970	50	mg/Kg	1.00	10/06/2004 22:16	
Benzene	ND	0.50	mg/Kg	1.00	10/06/2004 22:16	
Toluene	ND	0.50	mg/Kg	1.00	10/06/2004 22:16	
Ethyl benzene	7.3	0.50	mg/Kg	1.00	10/06/2004 22:16	
Total xylenes	18	0.50	mg/Kg	1.00	10/06/2004 22:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/06/2004 22:16	
Surrogate(s)						
1,2-Dichloroethane-d4	97.0	53-129	%	1.00	10/06/2004 22:16	
Toluene-d8	102.6	47-136	%	1.00	10/06/2004 22:16	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**B-6-14`**	Lab ID:	2004-09-0806 - 2
Sampled:	09/24/2004 15:38	Extracted:	10/6/2004 22:39
Matrix:	Soil	QC Batch#:	2004/10/06-3A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	130	50	mg/Kg	1.00	10/06/2004 22:39	
Benzene	ND	0.50	mg/Kg	1.00	10/06/2004 22:39	
Toluene	ND	0.50	mg/Kg	1.00	10/06/2004 22:39	
Ethyl benzene	0.63	0.50	mg/Kg	1.00	10/06/2004 22:39	
Total xylenes	0.81	0.50	mg/Kg	1.00	10/06/2004 22:39	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	10/06/2004 22:39	
Surrogate(s)						
1,2-Dichloroethane-d4	95.8	53-129	%	1.00	10/06/2004 22:39	
Toluene-d8	104.6	47-136	%	1.00	10/06/2004 22:39	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

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

Method Blank **Soil** **QC Batch # 2004/10/06-3A.66**

MB: 2004/10/06-3A.66-024
Date Extracted: 10/06/2004 20:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	10/06/2004 20:24	
Benzene	ND	0.50	mg/Kg	10/06/2004 20:24	
Toluene	ND	0.50	mg/Kg	10/06/2004 20:24	
Ethyl benzene	ND	0.50	mg/Kg	10/06/2004 20:24	
Total xylenes	ND	0.50	mg/Kg	10/06/2004 20:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	10/06/2004 20:24	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	53-129	%	10/06/2004 20:24	
Toluene-d8	100.0	47-136	%	10/06/2004 20:24	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/27/2004 13:50

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/06-3A.66**

LCS 2004/10/06-3A.66-040 Extracted: 10/06/2004 Analyzed: 10/06/2004 19:40

LCSD 2004/10/06-3A.66-002 Extracted: 10/06/2004 Analyzed: 10/06/2004 20:02

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	10.0	10.5	10	100.0	105.0	4.9	69-129	20		
Toluene	8.79	9.25	10	87.9	92.5	5.1	70-130	20		
Methyl tert-butyl ether (MTBE)	10.1	10.9	10	101.0	109.0	7.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	223	229	250	89.2	91.6		53-129			
Toluene-d8	240	243	250	96.0	97.2		47-136			

SHELL Chain Of Custody Record

89216

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT-HOUSTON

Denis Brown

2004-09-0806

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9-27-04

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Cambria Environmental Technology, Inc.	CETS	255 Dutton Avenue, Santa Rosa, CA	T0609700053

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
270 Perkins Street, Sonoma, CA 95476	Tom Magney	707-933-2366	sonomaedf@cambria-env.com	246-0173

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Tom Magney	707-933-2366	707-935-6649	tmengey@cambria-env.com	Scott Lewis

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 ☐

Preserve Encore Samples by EPA Method 5035

REQUESTED ANALYSIS

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	TEMPERATURE ON RECEIPT C°
	B-5-15'	9/24	1550	SO	1	X	X	X	X												4
	B-6-14'	9/24	1538	SO	1	X	X	X	X												

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Lewis	[signature]	09/27/04	1350
[signature]	Tracy B Bell	09/27/04	1810
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/15/00 Revision

Q&Q Graphic (714) 898-9702

SEVERN TRENT STL

Submission#: 2004-09-0681

Cambria Environmental Sonoma October 06, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996133
Site: 255 Dutton Avenue, Santa Rosa, CA

Dear Mr. Magney:

Attached is our report for your samples received on 09/22/2004 14:10
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/06/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-4-17W	09/21/2004 09:35	Water	1
CPT-4-47W	09/21/2004 10:18	Water	2
CPT-5-13W	09/21/2004 14:17	Water	3
CPT-5-39W	09/21/2004 14:37	Water	4
CPT-5-50W	09/21/2004 15:00	Water	5
CPT-5-61W	09/21/2004 15:30	Water	6
CPT-6-26W	09/22/2004 11:10	Water	7
CPT-6-54W	09/22/2004 11:55	Water	8
CPT-6-65W	09/22/2004 12:15	Water	9

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-4-17W**	Lab ID:	2004-09-0681 - 1
Sampled:	09/21/2004 09:35	Extracted:	10/2/2004 19:10
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 19:10	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 19:10	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 19:10	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 19:10	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 19:10	
Methyl tert-butyl ether (MTBE)	0.52	0.50	ug/L	1.00	10/02/2004 19:10	
Surrogate(s)						
1,2-Dichloroethane-d4	100.6	76-130	%	1.00	10/02/2004 19:10	
Toluene-d8	87.7	78-115	%	1.00	10/02/2004 19:10	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-4-47W**	Lab ID:	2004-09-0681 - 2
Sampled:	09/21/2004 10:18	Extracted:	10/2/2004 19:29
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 19:29	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 19:29	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 19:29	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 19:29	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 19:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 19:29	
Surrogate(s)						
1,2-Dichloroethane-d4	104.3	76-130	%	1.00	10/02/2004 19:29	
Toluene-d8	92.9	78-115	%	1.00	10/02/2004 19:29	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5-13W**	Lab ID:	2004-09-0681 - 3
Sampled:	09/21/2004 14:17	Extracted:	10/2/2004 19:48
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 19:48	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 19:48	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 19:48	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 19:48	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 19:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 19:48	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	76-130	%	1.00	10/02/2004 19:48	
Toluene-d8	89.8	78-115	%	1.00	10/02/2004 19:48	

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

Cambria Environmental Sonoma
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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5-39W**	Lab ID:	2004-09-0681 - 4
Sampled:	09/21/2004 14:37	Extracted:	10/2/2004 20:07
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 20:07	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 20:07	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 20:07	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 20:07	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 20:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 20:07	
Surrogate(s)						
1,2-Dichloroethane-d4	104.0	76-130	%	1.00	10/02/2004 20:07	
Toluene-d8	96.1	78-115	%	1.00	10/02/2004 20:07	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5-50W**	Lab ID:	2004-09-0681 - 5
Sampled:	09/21/2004 15:00	Extracted:	10/2/2004 20:26
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Analysis Flag: ,gx (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 20:26	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 20:26	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 20:26	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 20:26	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 20:26	
Methyl tert-butyl ether (MTBE)	1.2	0.50	ug/L	1.00	10/02/2004 20:26	
Surrogate(s)						
1,2-Dichloroethane-d4	101.3	76-130	%	1.00	10/02/2004 20:26	
Toluene-d8	89.7	78-115	%	1.00	10/02/2004 20:26	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-5-61W**	Lab ID:	2004-09-0681 - 6
Sampled:	09/21/2004 15:30	Extracted:	10/2/2004 20:45
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 20:45	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 20:45	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 20:45	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 20:45	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 20:45	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 20:45	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	76-130	%	1.00	10/02/2004 20:45	
Toluene-d8	94.1	78-115	%	1.00	10/02/2004 20:45	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-6-26W**	Lab ID:	2004-09-0681 - 7
Sampled:	09/22/2004 11:10	Extracted:	10/2/2004 01:17
Matrix:	Water	QC Batch#:	2004/10/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 01:17	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 01:17	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 01:17	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 01:17	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 01:17	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 01:17	
Surrogate(s)						
1,2-Dichloroethane-d4	110.7	76-130	%	1.00	10/02/2004 01:17	
Toluene-d8	100.7	78-115	%	1.00	10/02/2004 01:17	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-6-54W**	Lab ID:	2004-09-0681 - 8
Sampled:	09/22/2004 11:55	Extracted:	10/2/2004 01:39
Matrix:	Water	QC Batch#:	2004/10/01-2B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 01:39	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 01:39	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 01:39	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 01:39	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 01:39	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 01:39	
Surrogate(s)						
1,2-Dichloroethane-d4	109.7	76-130	%	1.00	10/02/2004 01:39	
Toluene-d8	105.6	78-115	%	1.00	10/02/2004 01:39	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-6-65W**	Lab ID:	2004-09-0681 - 9
Sampled:	09/22/2004 12:15	Extracted:	10/2/2004 21:04
Matrix:	Water	QC Batch#:	2004/10/02-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/02/2004 21:04	
Benzene	ND	0.50	ug/L	1.00	10/02/2004 21:04	
Toluene	ND	0.50	ug/L	1.00	10/02/2004 21:04	
Ethylbenzene	ND	0.50	ug/L	1.00	10/02/2004 21:04	
Total xylenes	ND	1.0	ug/L	1.00	10/02/2004 21:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/02/2004 21:04	
Surrogate(s)						
1,2-Dichloroethane-d4	101.1	76-130	%	1.00	10/02/2004 21:04	
Toluene-d8	89.5	78-115	%	1.00	10/02/2004 21:04	

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/10/01-2B.64

MB: 2004/10/01-2B.64-037

Date Extracted: 10/01/2004 19:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/01/2004 19:37	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/01/2004 19:37	
Benzene	ND	0.5	ug/L	10/01/2004 19:37	
Toluene	ND	0.5	ug/L	10/01/2004 19:37	
Ethylbenzene	ND	0.5	ug/L	10/01/2004 19:37	
Total xylenes	ND	1.0	ug/L	10/01/2004 19:37	
Surrogates(s)					
1,2-Dichloroethane-d4	95.6	76-130	%	10/01/2004 19:37	
Toluene-d8	99.6	78-115	%	10/01/2004 19:37	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/02-2B.68**

MB: 2004/10/02-2B.68-041 — Date Extracted: 10/02/2004 17:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/02/2004 17:41	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/02/2004 17:41	
Benzene	ND	0.5	ug/L	10/02/2004 17:41	
Toluene	ND	0.5	ug/L	10/02/2004 17:41	
Ethylbenzene	ND	0.5	ug/L	10/02/2004 17:41	
Total xylenes	ND	1.0	ug/L	10/02/2004 17:41	
Surrogates(s)					
1,2-Dichloroethane-d4	95.0	76-130	%	10/02/2004 17:41	
Toluene-d8	90.0	78-115	%	10/02/2004 17:41	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/01-2B.64**

LCS 2004/10/01-2B.64-053 Extracted: 10/01/2004 Analyzed: 10/01/2004 18:53

LCSD 2004/10/01-2B.64-015 Extracted: 10/01/2004 Analyzed: 10/01/2004 19:15

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.0	21.8	25	100.0	87.2	13.7	65-165	20		
Benzene	19.9	20.0	25	79.6	80.0	0.5	69-129	20		
Toluene	23.8	23.7	25	95.2	94.8	0.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481	468	500	96.2	93.6		76-130			
Toluene-d8	489	491	500	97.8	98.2		78-115			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/02-2B.68**

LCS 2004/10/02-2B.68-003 Extracted: 10/02/2004 Analyzed: 10/02/2004 17:03
LCSD 2004/10/02-2B.68-022 Extracted: 10/02/2004 Analyzed: 10/02/2004 17:22

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.9	25.0	25	95.6	100.0	4.5	65-165	20		
Benzene	27.0	24.8	25	108.0	99.2	8.5	69-129	20		
Toluene	25.1	23.0	25	100.4	92.0	8.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	462	447	500	92.4	89.4		76-130			
Toluene-d8	494	461	500	98.8	92.2		78-115			

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/22/2004 14:10

Site: 255 Dutton Avenue, Santa Rosa, CA

Legend and Notes

Sample Comment

Lab ID: 2004-09-0681 -5

gx-Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified, the concentration would be 190 ug/L

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

SHELL Chain Of Custody Record

89070

Shell Project Manager to be invoiced: Denis Brown

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT-HOUSTON

2004-09-0681

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9-22-04

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETS
SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa, CA	GLOBAL ID NO.: T0609700053
ADDRESS: 270 Perkins Street, Sonoma, CA 95476	EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney; PHONE NO.: 707-933-2366; E-MAIL: sonomaedf@cambria-env.com; CONSULTANT PROJECT NO.: 246-0173
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney	SAMPLER NAME(S) (Print): Scott Lewis
TELEPHONE: 707-933-2366; FAX: 707-935-6649; E-MAIL: tmangey@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 ☐

~~Preserve Encore Samples by EPA Method 5035~~

Fax copy ~~to~~ of COC To Office 707-935-6649

REQUESTED ANALYSIS

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

3°C

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal						
	CPT-4-17W	9/21	0935	GW	3	X		X	X																	
	CPT-4-47W	9/21	1018	GW	3	X		X	X																	
	CPT-5-13W	9/21	1417	GW	3	X		X	X																	
	CPT-5-39W	9/21	1437	GW	3	X		X	X																	
	CPT-5-50 W	9/21	1500	GW	3	X		X	X																	
	CPT-5-61W	9/21	1530	GW	3	X		X	X																	
	CPT-6-26W	9/22	1110	GW	3	X		X	X																	
	CPT-6-54 W	9/22	1155	GW	3	X		X	X																	
	CPT-6-65 W	9/22	1215	GW	3	X		X	X																	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Lewis	[signature]	09-22-04	1410
[signature]	Denise Harrington / STL-SF	9-22-04	1815

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

10/15/00 Revision

Q&Q Graphic (714) 898-9702

SEVERN TRENT STL

Submission#: 2004-09-0711

Cambria Environmental Sonoma October 07, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996133
Site: 255 Dutton Ave. Santa Rosa, CA

Dear Mr. Magney:

Attached is our report for your samples received on 09/23/2004 15:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/07/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

Diesel (C9-C24)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-8-5`	09/23/2004 09:48	Soil	6
CPT-8-10`	09/23/2004 09:55	Soil	7
CPT-8-15`	09/23/2004 10:02	Soil	8
CPT-8- 20`	09/23/2004 10:15	Soil	9
CPT-8-25`	09/23/2004 10:21	Soil	10

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**CPT-8-5`**	Lab ID:	2004-09-0711 - 6
Sampled:	09/23/2004 09:48	Extracted:	9/29/2004 09:15
Matrix:	Soil	QC Batch#:	2004/09/29-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/30/2004 13:40	
Surrogate(s)						
o-Terphenyl	73.7	60-130	%	1.00	09/30/2004 13:40	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**CPT-8-10`**	Lab ID:	2004-09-0711 - 7
Sampled:	09/23/2004 09:55	Extracted:	9/27/2004 09:15
Matrix:	Soil	QC Batch#:	2004/09/27-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/27/2004 17:50	
Surrogate(s)						
o-Terphenyl	64.4	60-130	%	1.00	09/27/2004 17:50	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**CPT-8-15`**	Lab ID:	2004-09-0711 - 8
Sampled:	09/23/2004 10:02	Extracted:	9/27/2004 09:15
Matrix:	Soil	QC Batch#:	2004/09/27-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/27/2004 17:22	
Surrogate(s)						
o-Terphenyl	70.7	60-130	%	1.00	09/27/2004 17:22	

Diesel (C9-C24)

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Attn.: Tom Magney

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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**CPT-8- 20`**	Lab ID:	2004-09-0711 - 9
Sampled:	09/23/2004 10:15	Extracted:	9/27/2004 09:15
Matrix:	Soil	QC Batch#:	2004/09/27-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/27/2004 18:45	
Surrogate(s)						
o-Terphenyl	71.6	60-130	%	1.00	09/27/2004 18:45	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	**CPT-8-25`**	Lab ID:	2004-09-0711 - 10
Sampled:	09/23/2004 10:21	Extracted:	9/27/2004 09:15
Matrix:	Soil	QC Batch#:	2004/09/27-3A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/27/2004 19:12	
Surrogate(s)						
o-Terphenyl	84.9	60-130	%	1.00	09/27/2004 19:12	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M

Method Blank — **Soil** — **QC Batch # 2004/09/27-3A.10**

MB: 2004/09/27-3A.10-001 — Date Extracted: 09/27/2004 09:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/27/2004 15:32	
Surrogates(s)					
o-Terphenyl	91.3	60-130	%	09/27/2004 15:32	

Diesel (C9-C24)

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M

Method Blank — **Soil** — **QC Batch # 2004/09/29-2A.10**

MB: 2004/09/29-2A.10-001 — Date Extracted: 09/29/2004 06:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/29/2004 11:07	
Surrogates(s)					
o-Terphenyl	93.6	60-130	%	09/29/2004 11:07	

Diesel (C9-C24)

Cambria Environmental Sonoma
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/09/27-3A.10**

LCS 2004/09/27-3A.10-002 Extracted: 09/27/2004 Analyzed: 09/27/2004 15:04

LCSD 2004/09/27-3A.10-003 Extracted: 09/27/2004 Analyzed: 09/27/2004 15:32

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	36.1	37.1	41.4	87.2	89.6	2.7	60-130	25		
Surrogates(s)										
o-Terphenyl	20.2	19.9	20.0	101.2	99.5		60-130			

Diesel (C9-C24)

Cambria Environmental Sonoma
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/09/29-2A.10**

LCS 2004/09/29-2A.10-002 Extracted: 09/29/2004 Analyzed: 09/29/2004 10:37
LCSD 2004/09/29-2A.10-003 Extracted: 09/29/2004 Analyzed: 09/29/2004 11:05

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	33.2	29.2	41.6	79.8	70.2	12.8	60-130	25		
Surrogates(s)										
o-Terphenyl	17.5	16.8	20.0	87.7	84.1		60-130			

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-7-19W	09/22/2004 14:50	Water	1
CPT-7-37W	09/22/2004 15:00	Water	2
CPT-7-45W	09/22/2004 15:13	Water	3
CPT-7-56W	09/22/2004 15:42	Water	4
CPT-7-75W	09/22/2004 16:00	Water	5
CPT-8-38W	09/23/2004 10:25	Water	11
CPT-8-57W	09/23/2004 10:45	Water	12
CPT-8-73W	09/23/2004 11:05	Water	13
CPT-1-24W	09/23/2004 14:10	Water	14
CPT-1-40W	09/23/2004 14:30	Water	15
CPT-1-56W	09/23/2004 14:45	Water	16

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7-19W**	Lab ID:	2004-09-0711 - 1
Sampled:	09/22/2004 14:50	Extracted:	10/3/2004 15:47
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 15:47	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 15:47	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 15:47	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 15:47	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 15:47	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 15:47	
Surrogate(s)						
1,2-Dichloroethane-d4	104.1	76-130	%	1.00	10/03/2004 15:47	
Toluene-d8	100.5	78-115	%	1.00	10/03/2004 15:47	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7-37W**	Lab ID:	2004-09-0711 - 2
Sampled:	09/22/2004 15:00	Extracted:	10/3/2004 16:09
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 16:09	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 16:09	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 16:09	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 16:09	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 16:09	
Methyl tert-butyl ether (MTBE)	1.8	0.50	ug/L	1.00	10/03/2004 16:09	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	76-130	%	1.00	10/03/2004 16:09	
Toluene-d8	105.3	78-115	%	1.00	10/03/2004 16:09	

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

Cambria Environmental Sonoma
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270 Perkins Street
Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7-45W**	Lab ID:	2004-09-0711 - 3
Sampled:	09/22/2004 15:13	Extracted:	10/3/2004 16:31
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 16:31	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 16:31	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 16:31	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 16:31	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 16:31	
Methyl tert-butyl ether (MTBE)	0.88	0.50	ug/L	1.00	10/03/2004 16:31	
Surrogate(s)						
1,2-Dichloroethane-d4	105.5	76-130	%	1.00	10/03/2004 16:31	
Toluene-d8	100.2	78-115	%	1.00	10/03/2004 16:31	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7-56W**	Lab ID:	2004-09-0711 - 4
Sampled:	09/22/2004 15:42	Extracted:	10/3/2004 16:54
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 16:54	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 16:54	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 16:54	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 16:54	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 16:54	
Methyl tert-butyl ether (MTBE)	0.64	0.50	ug/L	1.00	10/03/2004 16:54	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	76-130	%	1.00	10/03/2004 16:54	
Toluene-d8	101.4	78-115	%	1.00	10/03/2004 16:54	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-7-75W**	Lab ID:	2004-09-0711 - 5
Sampled:	09/22/2004 16:00	Extracted:	10/3/2004 17:16
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 17:16	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 17:16	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 17:16	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 17:16	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 17:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 17:16	
Surrogate(s)						
1,2-Dichloroethane-d4	102.7	76-130	%	1.00	10/03/2004 17:16	
Toluene-d8	101.9	78-115	%	1.00	10/03/2004 17:16	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-38W**	Lab ID:	2004-09-0711 - 11
Sampled:	09/23/2004 10:25	Extracted:	10/3/2004 17:38
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 17:38	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 17:38	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 17:38	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 17:38	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 17:38	
Methyl tert-butyl ether (MTBE)	160	0.50	ug/L	1.00	10/03/2004 17:38	
Surrogate(s)						
1,2-Dichloroethane-d4	101.2	76-130	%	1.00	10/03/2004 17:38	
Toluene-d8	99.4	78-115	%	1.00	10/03/2004 17:38	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-57W**	Lab ID:	2004-09-0711 - 12
Sampled:	09/23/2004 10:45	Extracted:	10/3/2004 18:01
Matrix:	Water	QC Batch#:	2004/10/03-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 18:01	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 18:01	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 18:01	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 18:01	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 18:01	
Methyl tert-butyl ether (MTBE)	75	0.50	ug/L	1.00	10/03/2004 18:01	
Surrogate(s)						
1,2-Dichloroethane-d4	103.8	76-130	%	1.00	10/03/2004 18:01	
Toluene-d8	104.0	78-115	%	1.00	10/03/2004 18:01	

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

Cambria Environmental Sonoma
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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-73W**	Lab ID:	2004-09-0711 - 13
Sampled:	09/23/2004 11:05	Extracted:	10/4/2004 20:33
Matrix:	Water	QC Batch#:	2004/10/04-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 20:33	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 20:33	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 20:33	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 20:33	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 20:33	
Methyl tert-butyl ether (MTBE)	100	0.50	ug/L	1.00	10/04/2004 20:33	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	76-130	%	1.00	10/04/2004 20:33	
Toluene-d8	92.0	78-115	%	1.00	10/04/2004 20:33	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-1-24W**	Lab ID:	2004-09-0711 - 14
Sampled:	09/23/2004 14:10	Extracted:	10/4/2004 20:52
Matrix:	Water	QC Batch#:	2004/10/04-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 20:52	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 20:52	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 20:52	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 20:52	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 20:52	
Methyl tert-butyl ether (MTBE)	25	0.50	ug/L	1.00	10/04/2004 20:52	
Surrogate(s)						
1,2-Dichloroethane-d4	108.1	76-130	%	1.00	10/04/2004 20:52	
Toluene-d8	89.8	78-115	%	1.00	10/04/2004 20:52	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-1-40W**	Lab ID:	2004-09-0711 - 15
Sampled:	09/23/2004 14:30	Extracted:	10/4/2004 21:11
Matrix:	Water	QC Batch#:	2004/10/04-2B.68

Analysis Flag: ,gx (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 21:11	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 21:11	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 21:11	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 21:11	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 21:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/04/2004 21:11	
Surrogate(s)						
1,2-Dichloroethane-d4	106.7	76-130	%	1.00	10/04/2004 21:11	
Toluene-d8	91.5	78-115	%	1.00	10/04/2004 21:11	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-1-56W**	Lab ID:	2004-09-0711 - 16
Sampled:	09/23/2004 14:45	Extracted:	10/4/2004 21:30
Matrix:	Water	QC Batch#:	2004/10/04-2B.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 21:30	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 21:30	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 21:30	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 21:30	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 21:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/04/2004 21:30	
Surrogate(s)						
1,2-Dichloroethane-d4	109.2	76-130	%	1.00	10/04/2004 21:30	
Toluene-d8	93.6	78-115	%	1.00	10/04/2004 21:30	

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/10/03-1A.64

MB: 2004/10/03-1A.64-027

Date Extracted: 10/03/2004 10:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/03/2004 10:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/03/2004 10:27	
Benzene	ND	0.5	ug/L	10/03/2004 10:27	
Toluene	ND	0.5	ug/L	10/03/2004 10:27	
Ethylbenzene	ND	0.5	ug/L	10/03/2004 10:27	
Total xylenes	ND	1.0	ug/L	10/03/2004 10:27	
Surrogates(s)					
1,2-Dichloroethane-d4	95.8	76-130	%	10/03/2004 10:27	
Toluene-d8	101.6	78-115	%	10/03/2004 10:27	

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

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Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/04-2B.68**

MB: 2004/10/04-2B.68-028 — Date Extracted: 10/04/2004 18:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/04/2004 18:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/04/2004 18:28	
Benzene	ND	0.5	ug/L	10/04/2004 18:28	
Toluene	ND	0.5	ug/L	10/04/2004 18:28	
Ethylbenzene	ND	0.5	ug/L	10/04/2004 18:28	
Total xylenes	ND	1.0	ug/L	10/04/2004 18:28	
Surrogates(s)					
1,2-Dichloroethane-d4	96.4	76-130	%	10/04/2004 18:28	
Toluene-d8	93.7	78-115	%	10/04/2004 18:28	

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/03-1A.64**

LCS 2004/10/03-1A.64-042 Extracted: 10/03/2004 Analyzed: 10/03/2004 09:42

LCSD 2004/10/03-1A.64-005 Extracted: 10/03/2004 Analyzed: 10/03/2004 10:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.4	24.0	25	101.6	96.0	5.7	65-165	20		
Benzene	21.0	20.1	25	84.0	80.4	4.4	69-129	20		
Toluene	24.8	24.5	25	99.2	98.0	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471	459	500	94.2	91.8		76-130			
Toluene-d8	498	499	500	99.6	99.8		78-115			

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/04-2B.68**

LCS 2004/10/04-2B.68-050 Extracted: 10/04/2004 Analyzed: 10/04/2004 17:50

LCSD 2004/10/04-2B.68-009 Extracted: 10/04/2004 Analyzed: 10/04/2004 18:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.3	24.1	25	93.2	96.4	3.4	65-165	20		
Benzene	23.3	24.4	25	93.2	97.6	4.6	69-129	20		
Toluene	21.5	22.8	25	86.0	91.2	5.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	461	426	500	92.2	85.2		76-130			
Toluene-d8	481	464	500	96.2	92.8		78-115			

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

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Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/10/03-1A.64**

CPT-8-57W >> MS

Lab ID: 2004-09-0711 - 012

MS: 2004/10/03-1A.64-023 Extracted: 10/03/2004 Analyzed: 10/03/2004 18:23
Dilution: 1.00

MSD: 2004/10/03-1A.64-045 Extracted: 10/03/2004 Analyzed: 10/03/2004 18:45
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	20.4	19.8	ND	25	81.6	79.2	3.0	69-129	20		
Toluene	24.7	24.6	ND	25	98.8	98.4	0.4	70-130	20		
Methyl tert-butyl ether	102	98.7	75.1	25	107.6	94.4	13.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	521	518		500	104.2	103.6		76-130			
Toluene-d8	499	502		500	99.8	100.4		78-115			

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Legend and Notes

Sample Comment

Lab ID: 2004-09-0711 -15

gx-Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, concentration would be 140 ug/L.

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-8-5`	09/23/2004 09:48	Soil	6
CPT-8-10`	09/23/2004 09:55	Soil	7
CPT-8-15`	09/23/2004 10:02	Soil	8
CPT-8- 20`	09/23/2004 10:15	Soil	9
CPT-8-25`	09/23/2004 10:21	Soil	10

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-5`**	Lab ID:	2004-09-0711 - 6
Sampled:	09/23/2004 09:48	Extracted:	10/6/2004 02:05
Matrix:	Soil	QC Batch#:	2004/10/05-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/06/2004 02:05	
Benzene	ND	0.0050	mg/Kg	1.00	10/06/2004 02:05	
Toluene	ND	0.0050	mg/Kg	1.00	10/06/2004 02:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/06/2004 02:05	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/06/2004 02:05	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/06/2004 02:05	
Surrogate(s)						
1,2-Dichloroethane-d4	118.4	76-124	%	1.00	10/06/2004 02:05	
Toluene-d8	95.8	75-116	%	1.00	10/06/2004 02:05	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-10`**	Lab ID:	2004-09-0711 - 7
Sampled:	09/23/2004 09:55	Extracted:	10/6/2004 12:55
Matrix:	Soil	QC Batch#:	2004/10/06-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/06/2004 12:55	
Benzene	ND	0.0050	mg/Kg	1.00	10/06/2004 12:55	
Toluene	ND	0.0050	mg/Kg	1.00	10/06/2004 12:55	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/06/2004 12:55	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/06/2004 12:55	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/06/2004 12:55	
Surrogate(s)						
1,2-Dichloroethane-d4	93.7	76-124	%	1.00	10/06/2004 12:55	
Toluene-d8	91.4	75-116	%	1.00	10/06/2004 12:55	

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-15`**	Lab ID:	2004-09-0711 - 8
Sampled:	09/23/2004 10:02	Extracted:	10/5/2004 20:28
Matrix:	Soil	QC Batch#:	2004/10/05-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2004 20:28	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 20:28	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2004 20:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 20:28	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2004 20:28	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2004 20:28	
Surrogate(s)						
1,2-Dichloroethane-d4	96.4	76-124	%	1.00	10/05/2004 20:28	
Toluene-d8	93.2	75-116	%	1.00	10/05/2004 20:28	

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8- 20`**	Lab ID:	2004-09-0711 - 9
Sampled:	09/23/2004 10:15	Extracted:	10/5/2004 00:44
Matrix:	Soil	QC Batch#:	2004/10/04-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2004 00:44	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:44	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 00:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2004 00:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2004 00:44	
Surrogate(s)						
1,2-Dichloroethane-d4	98.9	76-124	%	1.00	10/05/2004 00:44	
Toluene-d8	91.3	75-116	%	1.00	10/05/2004 00:44	

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

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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-8-25`**	Lab ID:	2004-09-0711 - 10
Sampled:	09/23/2004 10:21	Extracted:	10/5/2004 01:07
Matrix:	Soil	QC Batch#:	2004/10/04-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	10/05/2004 01:07	
Benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 01:07	
Toluene	ND	0.0050	mg/Kg	1.00	10/05/2004 01:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/05/2004 01:07	
Total xylenes	ND	0.0050	mg/Kg	1.00	10/05/2004 01:07	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	10/05/2004 01:07	
Surrogate(s)						
1,2-Dichloroethane-d4	95.1	76-124	%	1.00	10/05/2004 01:07	
Toluene-d8	93.1	75-116	%	1.00	10/05/2004 01:07	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

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

Method Blank **Soil** **QC Batch # 2004/10/04-2B.66**

MB: 2004/10/04-2B.66-040
Date Extracted: 10/04/2004 18:40

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.000	mg/Kg	10/04/2004 18:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/04/2004 18:40	
Benzene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Toluene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Ethyl benzene	ND	0.0050	mg/Kg	10/04/2004 18:40	
Total xylenes	ND	0.0050	mg/Kg	10/04/2004 18:40	
Surrogates(s)					
1,2-Dichloroethane-d4	90.5	76-124	%	10/04/2004 18:40	
Toluene-d8	96.0	75-116	%	10/04/2004 18:40	

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

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Project: 246-0173
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Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2004/10/05-2B.66**

MB: 2004/10/05-2B.66-038 — Date Extracted: 10/05/2004 19:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.000	mg/Kg	10/05/2004 19:38	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/05/2004 19:38	
Benzene	ND	0.0050	mg/Kg	10/05/2004 19:38	
Toluene	ND	0.0050	mg/Kg	10/05/2004 19:38	
Ethyl benzene	ND	0.0050	mg/Kg	10/05/2004 19:38	
Total xylenes	ND	0.0050	mg/Kg	10/05/2004 19:38	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	76-124	%	10/05/2004 19:38	
Toluene-d8	94.2	75-116	%	10/05/2004 19:38	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Soil** — **QC Batch # 2004/10/06-1A.66**

MB: 2004/10/06-1A.66-029 — Date Extracted: 10/06/2004 08:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.000	mg/Kg	10/06/2004 08:29	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	10/06/2004 08:29	
Benzene	ND	0.0050	mg/Kg	10/06/2004 08:29	
Toluene	ND	0.0050	mg/Kg	10/06/2004 08:29	
Ethyl benzene	ND	0.0050	mg/Kg	10/06/2004 08:29	
Total xylenes	ND	0.0050	mg/Kg	10/06/2004 08:29	
Surrogates(s)					
1,2-Dichloroethane-d4	90.4	76-124	%	10/06/2004 08:29	
Toluene-d8	98.2	75-116	%	10/06/2004 08:29	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/04-2B.66**

LCS 2004/10/04-2B.66-055 Extracted: 10/04/2004 Analyzed: 10/04/2004 17:55

LCSD 2004/10/04-2B.66-017 Extracted: 10/04/2004 Analyzed: 10/04/2004 18:17

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0627	0.0597	0.05	125.4	119.6	4.7	65-165	20		
Benzene	0.0593	0.0557	0.05	118.6	111.4	6.3	69-129	20		
Toluene	0.0520	0.0511	0.05	104.0	102.2	1.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	423	419	500	84.6	83.8		76-124			
Toluene-d8	472	476	500	94.4	95.2		75-116			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
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Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/05-2B.66**

LCS 2004/10/05-2B.66-053 Extracted: 10/05/2004 Analyzed: 10/05/2004 18:53

LCSD 2004/10/05-2B.66-015 Extracted: 10/05/2004 Analyzed: 10/05/2004 19:15

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0583	0.0613	0.05	116.6	122.6	5.0	65-165	20		
Benzene	0.0548	0.0565	0.05	109.6	113.0	3.1	69-129	20		
Toluene	0.0504	0.0508	0.05	100.8	101.6	0.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441	441	500	88.2	88.2		76-124			
Toluene-d8	468	468	500	93.6	93.6		75-116			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996133

Received: 09/23/2004 15:30

Site: 255 Dutton Ave. Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/06-1A.66**

LCS 2004/10/06-1A.66-045 Extracted: 10/06/2004 Analyzed: 10/06/2004 07:45

LCSD 2004/10/06-1A.66-007 Extracted: 10/06/2004 Analyzed: 10/06/2004 08:07

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0579	0.0614	0.05	115.8	122.8	5.9	65-165	20		
Benzene	0.0585	0.0567	0.05	117.0	113.4	3.1	69-129	20		
Toluene	0.0542	0.0556	0.05	108.4	111.2	2.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	425	418	500	85.0	83.6		76-124			
Toluene-d8	460	489	500	92.0	97.8		75-116			

2004-09-0711

STL-San Francisco

SHELL Chain Of Custody Record

89127

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

Shell Project Manager to be Invoiced: Denis Brown

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9-23-04

PAGE: 1 of 2

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETS
SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa, CA	GLOBAL ID NO.: T0609700053
ADDRESS: 270 Perkins Street, Sonoma, CA 95476	EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney; PHONE NO.: 707-933-2366; E-MAIL: sonomaedf@cambria-env.com; CONSULTANT PROJECT NO.: 246-0173
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney	SAMPLER NAME(S) (Print): Scott Lewis
TELEPHONE: 707-933-2366; FAX: 707-935-6649; E-MAIL: tmangey@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 ☐

Preserve Encore Samples by EPA Method 5035

Fax copy of COC to office 707-935-6649

REQUESTED ANALYSIS

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal						TEMPERATURE ON RECEIPT C° 3
	CPT-7-19W	9/22	1450	GW	3	X		X	X																	
	CPT-7-37 W	9/22	1500	GW	3	X		X	X																	
	CPT-7-45 W	9/22	1513	GW	3	X		X	X																	
	CPT-7-56 W	9/22	1542	GW	3	X		X	X																	
	CPT-7-75 W	9/22	1600	GW	3	X		X	X																	
	CPT-8-5'	9/23	0948	SO	4	X	X	X	X																	Encore Samples
	CPT-8-10'	9/23	0958	SO	4	X	X	X	X																	Encore Samples
	CPT-8-15'	9/23	1007	SO	4	X	X	X	X																	Encore Samples
	CPT-8-20'	9/23	1015	SO	4	X	X	X	X																	Encore Samples
	CPT-8-25'	9/23	1021	SO	4	X	X	X	X																	Encore Samples

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Lewis	[signature]	9-23-04	1530
[signature]	[signature]	9-23-04	1750

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

10/15/00 Revision

Q&Q Graphic (714) 838-9702

2004-09-0711

STL-San Francisco

SHELL Chain Of Custody Record

89127

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

Shell Project Manager to be Invoiced: Denis Brown

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9-23-04

PAGE: 2 of 2

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETS	SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa, CA	GLOBAL ID NO.: T06097 00053
ADDRESS: 270 Perkins Street, Sonoma, CA 95476		EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney	PHONE NO.: 707-933-2366
		E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: 246-0173
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney		SAMPLER NAME(S) (Print): Scott Lewis	LAB USE ONLY
TELEPHONE: 707-933-2366	FAX: 707-935-6649	E-MAIL: tmangey@cambria-env.com	

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

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

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

~~Preserve Encore Samples by EPA Method 5035~~

Fax Copy of COC to the office 707-935-6649

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	CPT-8-38W	9/23	1025	GW	3	X	[redacted]	X	X																	NO TPHd
	CPT-8-57W	9/23	1045	GW	3	X	[redacted]	X	X																	NO TPHd
	CPT-8-73W	9/23	1105	GW	3	X		X	X																	
	CPT-1-24W	9/23	1410	GW	3	X		X	X																	
	CPT-1-40W	9/23	1430	GW	3	X		X	X																	
	CPT-1-56W	9/23	1445	GW	3	X		X	X																	
	~~CPT-1-69W~~	~~9/23~~		~~GW~~	~~3~~	~~X~~		~~X~~	~~X~~																	

TEMPERATURE ON RECEIPT C° 3

Relinquished by: (Signature) Scott Lewis	Received by: (Signature)	Date: 9-23-04	Time: 1530
Relinquished by: (Signature)	Received by: (Signature)	Date: 9-23-04	Time: 1750
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

SEVERN TRENT STL

Submission#: 2005-01-0736

Cambria Environmental Sonoma February 09, 2005

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 247-0173
Project: 98996133
Site: 255 Dutton Avenue, Santa Rosa, CA

Dear Mr. Magney:

Attached is our report for your samples received on 01/26/2005 11:55
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 03/12/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
CPT-3-16W	01/25/2005 11:22	Water	1
CPT-3-25W	01/25/2005 11:38	Water	2
CPT-3-41W	01/25/2005 11:56	Water	3
CPT-3-53W	01/25/2005 12:54	Water	4
CPT-3-74W	01/25/2005 13:15	Water	5

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3-16W**	Lab ID:	2005-01-0736 - 1
Sampled:	01/25/2005 11:22	Extracted:	2/3/2005 11:54
Matrix:	Water	QC Batch#:	2005/02/03-1A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/03/2005 11:54	
Benzene	ND	0.50	ug/L	1.00	02/03/2005 11:54	
Toluene	ND	0.50	ug/L	1.00	02/03/2005 11:54	
Ethylbenzene	ND	0.50	ug/L	1.00	02/03/2005 11:54	
Total xylenes	ND	1.0	ug/L	1.00	02/03/2005 11:54	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/03/2005 11:54	
Surrogate(s)						
1,2-Dichloroethane-d4	92.1	73-130	%	1.00	02/03/2005 11:54	
Toluene-d8	98.7	81-114	%	1.00	02/03/2005 11:54	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3-25W**	Lab ID:	2005-01-0736 - 2
Sampled:	01/25/2005 11:38	Extracted:	2/3/2005 12:07
Matrix:	Water	QC Batch#:	2005/02/03-1A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/03/2005 12:07	
Benzene	ND	0.50	ug/L	1.00	02/03/2005 12:07	
Toluene	ND	0.50	ug/L	1.00	02/03/2005 12:07	
Ethylbenzene	ND	0.50	ug/L	1.00	02/03/2005 12:07	
Total xylenes	ND	1.0	ug/L	1.00	02/03/2005 12:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/03/2005 12:07	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	73-130	%	1.00	02/03/2005 12:07	
Toluene-d8	109.8	81-114	%	1.00	02/03/2005 12:07	

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

Cambria Environmental Sonoma
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Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3-41W**	Lab ID:	2005-01-0736 - 3
Sampled:	01/25/2005 11:56	Extracted:	2/5/2005 05:33
Matrix:	Water	QC Batch#:	2005/02/04-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/05/2005 05:33	
Benzene	ND	0.50	ug/L	1.00	02/05/2005 05:33	
Toluene	ND	0.50	ug/L	1.00	02/05/2005 05:33	
Ethylbenzene	ND	0.50	ug/L	1.00	02/05/2005 05:33	
Total xylenes	ND	1.0	ug/L	1.00	02/05/2005 05:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/05/2005 05:33	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	73-130	%	1.00	02/05/2005 05:33	
Toluene-d8	98.7	81-114	%	1.00	02/05/2005 05:33	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3-53W**	Lab ID:	2005-01-0736 - 4
Sampled:	01/25/2005 12:54	Extracted:	2/3/2005 21:34
Matrix:	Water	QC Batch#:	2005/02/03-2A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/03/2005 21:34	Q6
Benzene	ND	0.50	ug/L	1.00	02/03/2005 21:34	
Toluene	ND	0.50	ug/L	1.00	02/03/2005 21:34	
Ethylbenzene	ND	0.50	ug/L	1.00	02/03/2005 21:34	
Total xylenes	ND	1.0	ug/L	1.00	02/03/2005 21:34	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/03/2005 21:34	
Surrogate(s)						
1,2-Dichloroethane-d4	116.8	73-130	%	1.00	02/03/2005 21:34	
Toluene-d8	105.9	81-114	%	1.00	02/03/2005 21:34	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**CPT-3-74W**	Lab ID:	2005-01-0736 - 5
Sampled:	01/25/2005 13:15	Extracted:	2/3/2005 21:51
Matrix:	Water	QC Batch#:	2005/02/03-2A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/03/2005 21:51	
Benzene	ND	0.50	ug/L	1.00	02/03/2005 21:51	
Toluene	ND	0.50	ug/L	1.00	02/03/2005 21:51	
Ethylbenzene	ND	0.50	ug/L	1.00	02/03/2005 21:51	
Total xylenes	ND	1.0	ug/L	1.00	02/03/2005 21:51	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	02/03/2005 21:51	
Surrogate(s)						
1,2-Dichloroethane-d4	107.2	73-130	%	1.00	02/03/2005 21:51	
Toluene-d8	102.8	81-114	%	1.00	02/03/2005 21:51	

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/03-1A.65**

MB: 2005/02/03-1A.65-049 — Date Extracted: 02/03/2005 08:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/03/2005 08:47	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/03/2005 08:47	
Benzene	ND	0.5	ug/L	02/03/2005 08:47	
Toluene	ND	0.5	ug/L	02/03/2005 08:47	
Ethylbenzene	ND	0.5	ug/L	02/03/2005 08:47	
Total xylenes	ND	1.0	ug/L	02/03/2005 08:47	
Surrogates(s)					
1,2-Dichloroethane-d4	96.0	73-130	%	02/03/2005 08:47	
Toluene-d8	99.2	81-114	%	02/03/2005 08:47	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/03-1A.68**

MB: 2005/02/03-1A.68-027 — Date Extracted: 02/03/2005 10:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/03/2005 10:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/03/2005 10:27	
Benzene	ND	0.5	ug/L	02/03/2005 10:27	
Toluene	ND	0.5	ug/L	02/03/2005 10:27	
Ethylbenzene	ND	0.5	ug/L	02/03/2005 10:27	
Total xylenes	ND	1.0	ug/L	02/03/2005 10:27	
Surrogates(s)					
1,2-Dichloroethane-d4	103.6	73-130	%	02/03/2005 10:27	
Toluene-d8	101.2	81-114	%	02/03/2005 10:27	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/03-2A.68**

MB: 2005/02/03-2A.68-003 — Date Extracted: 02/03/2005 20:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/03/2005 20:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/03/2005 20:03	
Benzene	ND	0.5	ug/L	02/03/2005 20:03	
Toluene	ND	0.5	ug/L	02/03/2005 20:03	
Ethylbenzene	ND	0.5	ug/L	02/03/2005 20:03	
Total xylenes	ND	1.0	ug/L	02/03/2005 20:03	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	73-130	%	02/03/2005 20:03	
Toluene-d8	106.2	81-114	%	02/03/2005 20:03	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/02/04-2A.65**

MB: 2005/02/04-2A.65-056 — Date Extracted: 02/04/2005 19:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/04/2005 19:56	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/04/2005 19:56	
Benzene	ND	0.5	ug/L	02/04/2005 19:56	
Toluene	ND	0.5	ug/L	02/04/2005 19:56	
Ethylbenzene	ND	0.5	ug/L	02/04/2005 19:56	
Total xylenes	ND	1.0	ug/L	02/04/2005 19:56	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	73-130	%	02/04/2005 19:56	
Toluene-d8	107.2	81-114	%	02/04/2005 19:56	

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

Cambria Environmental Sonoma
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Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/03-1A.65**

LCS 2005/02/03-1A.65-022 Extracted: 02/03/2005 Analyzed: 02/03/2005 08:22
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	29.8		25	119.2			65-165	20		
Benzene	30.1		25	120.4			69-129	20		
Toluene	29.3		25	117.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	379		500	75.8			73-130			
Toluene-d8	487		500	97.4			81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/03-1A.68**

LCS 2005/02/03-1A.68-010 Extracted: 02/03/2005 Analyzed: 02/03/2005 10:10
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.8		25	99.2			65-165	20		
Benzene	24.8		25	99.2			69-129	20		
Toluene	28.9		25	115.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			73-130			
Toluene-d8	532		500	106.4			81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

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Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/03-2A.68**

LCS 2005/02/03-2A.68-045 Extracted: 02/03/2005 Analyzed: 02/03/2005 19:45
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	19.7		25	78.8			65-165	20		
Benzene	23.1		25	92.4			69-129	20		
Toluene	23.3		25	93.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	400		500	80.0			73-130			
Toluene-d8	524		500	104.8			81-114			

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

Cambria Environmental Sonoma

Attn.: Tom Magney

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Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/02/04-2A.65**

LCS 2005/02/04-2A.65-032 Extracted: 02/04/2005 Analyzed: 02/04/2005 19:32
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	29.5		25	118.0			65-165	20		
Benzene	29.3		25	117.2			69-129	20		
Toluene	28.1		25	112.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	408		500	81.6			73-130			
Toluene-d8	524		500	104.8			81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/03-1A.65**

CPT-3-16W >> MS

Lab ID: 2005-01-0736 - 001

MS: 2005/02/03-1A.65-020 Extracted: 02/03/2005 Analyzed: 02/03/2005 12:20
Dilution: 1.00

MSD: 2005/02/03-1A.65-047 Extracted: 02/03/2005 Analyzed: 02/03/2005 12:47
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	20.3	28.0	ND	25	81.2	112.0	31.9	65-165	20		R1
Benzene	24.9	28.4	ND	25	99.6	113.6	13.1	69-129	20		
Toluene	25.0	28.0	ND	25	100.0	112.0	11.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	378	379		500	75.6	75.8		73-130			
Toluene-d8	507	493		500	101.4	98.6		81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/03-1A.68**

CPT-3-25W >> MS

Lab ID: 2005-01-0736 - 002

MS: 2005/02/03-1A.68-025 Extracted: 02/03/2005 Analyzed: 02/03/2005 12:25
Dilution: 1.00

MSD: 2005/02/03-1A.68-042 Extracted: 02/03/2005 Analyzed: 02/03/2005 12:42
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	21.2	23.5	ND	25	84.8	94.0	10.3	65-165	20		
Benzene	20.3	23.4	ND	25	81.2	93.6	14.2	69-129	20		
Toluene	21.3	26.0	ND	25	85.2	104.0	19.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	443	430		500	88.6	86.0		73-130			
Toluene-d8	521	520		500	104.2	104.0		81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/03-2A.68**

MS/MSD

Lab ID: 2005-01-0754 - 001

MS: 2005/02/03-2A.68-026 Extracted: 02/03/2005 Analyzed: 02/03/2005 22:26
Dilution: 1.00

MSD: 2005/02/03-2A.68-043 Extracted: 02/03/2005 Analyzed: 02/03/2005 22:43
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.4	26.6	ND	25	109.6	106.4	3.0	65-165	20		
Benzene	29.5	26.1	ND	25	118.0	104.4	12.2	69-129	20		
Toluene	29.0	27.7	ND	25	116.0	110.8	4.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	441	446		500	88.2	89.2		73-130			
Toluene-d8	523	528		500	104.6	105.6		81-114			

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/02/04-2A.65**

MS/MSD

Lab ID: 2005-01-0807 - 001

MS: 2005/02/04-2A.65-055 Extracted: 02/04/2005 Analyzed: 02/04/2005 20:55
Dilution: 1.00

MSD: 2005/02/04-2A.65-022 Extracted: 02/04/2005 Analyzed: 02/04/2005 21:22
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	32.0	34.8	ND	25	128.0	139.2	8.4	65-165	20		
Benzene	33.3	33.6	ND	25	133.2	134.4	0.9	69-129	20	M4	M4
Toluene	31.9	32.0	ND	25	127.6	128.0	0.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	412	414		500	82.4	82.8		73-130			
Toluene-d8	495	512		500	99.0	102.4		81-114			

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 247-0173
98996133

Received: 01/26/2005 11:55

Site: 255 Dutton Avenue, Santa Rosa, CA

Legend and Notes

Sample Comment

Lab ID: 2005-01-0736 -4

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantitated as gasoline, the concentration would be 60ug/L.

Result Flag

M4

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

Q6

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

R1

Analyte RPD was out of QC limits.

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

SHELL Chain Of Custody Record

97758

Shell Project Manager to be invoiced:

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Denis Brown

2005-01-0736

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 1 3 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 1-25-05

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.

LOG CODE: CETS

SITE ADDRESS (Street and City): 255 DuHon Avenue Santa Rosa, CA

GLOBAL ID NO.: T0609700053

ADDRESS: 270 Perkins Street, Sonoma, CA 95476

EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney

PHONE NO.: 707-933-2366

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: 247-0173

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney

TELEPHONE: 707-933-2369

FAX: 707-935-6649

E-MAIL: Tmagney@cambria-env.com

S. Lewis

CAB 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 ☐

REQUESTED ANALYSIS

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable 8260B	TPH - Extractable (8015m)	BTEX 8260B	MTBE (8260B)	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	TEMPERATURE ON RECEIPT C°
	CPT-3-16W	1/25	1122	GW	3	X		X	X												2
	CPT-3-25W	1/25	1138	GW	3	X		X	X												
	CPT-3-41W	1/25	1156	GW	3	X		X	X												
	CPT-3-53W	1/25	1254	GW	3	X		X	X												
	CPT-3-74W	1/25	1315	GW	3	X		X	X												

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Scott Lewis	[signature]	012605	1155
[signature]	[signature]	012605	1500

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

Appendix F

Water Supply Well Groundwater Analytical Results

Submission#: 2004-07-0489

Cambria Environmental Sonoma July 29, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996613
Site: 255 Dutton Avenue, Santa Rosa

Dear Mr. Magney:

Attached is our report for your samples received on 07/15/2004 13:45
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/29/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,

Vincent Vancil
Project Manager

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	07/14/2004 12:20	Water	1
270-MID	07/14/2004 12:15	Water	2
270-EFF	07/14/2004 12:10	Water	3
258-INF	07/14/2004	Water	4
258-MID-1	07/14/2004	Water	5
258-MID-2	07/14/2004	Water	6
258-EFF	07/14/2004	Water	7

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-07-0489 - 1
Sampled:	07/14/2004 12:20	Extracted:	7/28/2004 14:31
Matrix:	Water	QC Batch#:	2004/07/28-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 14:31	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 14:31	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 14:31	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:31	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 14:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 14:31	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	07/28/2004 14:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 14:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 14:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 14:31	
Ethanol	ND	50	ug/L	1.00	07/28/2004 14:31	
Surrogate(s)						
1,2-Dichloroethane-d4	96.9	76-130	%	1.00	07/28/2004 14:31	
Toluene-d8	96.2	78-115	%	1.00	07/28/2004 14:31	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-07-0489 - 2
Sampled:	07/14/2004 12:15	Extracted:	7/28/2004 20:14
Matrix:	Water	QC Batch#:	2004/07/28-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 20:14	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 20:14	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 20:14	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 20:14	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 20:14	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 20:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/28/2004 20:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 20:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 20:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 20:14	
Ethanol	ND	50	ug/L	1.00	07/28/2004 20:14	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	76-130	%	1.00	07/28/2004 20:14	
Toluene-d8	109.8	78-115	%	1.00	07/28/2004 20:14	

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-07-0489 - 3
Sampled:	07/14/2004 12:10	Extracted:	7/28/2004 19:51
Matrix:	Water	QC Batch#:	2004/07/28-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 19:51	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 19:51	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 19:51	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 19:51	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 19:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 19:51	
Methyl tert-butyl ether (MTBE)	110	0.50	ug/L	1.00	07/28/2004 19:51	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 19:51	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 19:51	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 19:51	
Ethanol	ND	50	ug/L	1.00	07/28/2004 19:51	
Surrogate(s)						
1,2-Dichloroethane-d4	106.5	76-130	%	1.00	07/28/2004 19:51	
Toluene-d8	108.0	78-115	%	1.00	07/28/2004 19:51	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-07-0489 - 4
Sampled:	07/14/2004	Extracted:	7/28/2004 19:21
Matrix:	Water	QC Batch#:	2004/07/28-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 19:21	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 19:21	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 19:21	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 19:21	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 19:21	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 19:21	
Methyl tert-butyl ether (MTBE)	0.72	0.50	ug/L	1.00	07/28/2004 19:21	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 19:21	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 19:21	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 19:21	
Ethanol	ND	50	ug/L	1.00	07/28/2004 19:21	
Surrogate(s)						
1,2-Dichloroethane-d4	109.4	76-130	%	1.00	07/28/2004 19:21	
Toluene-d8	100.0	78-115	%	1.00	07/28/2004 19:21	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-07-0489 - 5
Sampled:	07/14/2004	Extracted:	7/28/2004 18:44
Matrix:	Water	QC Batch#:	2004/07/28-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 18:44	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 18:44	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 18:44	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 18:44	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 18:44	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 18:44	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/28/2004 18:44	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 18:44	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 18:44	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 18:44	
Ethanol	ND	50	ug/L	1.00	07/28/2004 18:44	
Surrogate(s)						
1,2-Dichloroethane-d4	117.4	76-130	%	1.00	07/28/2004 18:44	
Toluene-d8	103.4	78-115	%	1.00	07/28/2004 18:44	

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

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-07-0489 - 6
Sampled:	07/14/2004	Extracted:	7/28/2004 19:07
Matrix:	Water	QC Batch#:	2004/07/28-2C.64

Analysis Flag: ,gs (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 19:07	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 19:07	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 19:07	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 19:07	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 19:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 19:07	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/28/2004 19:07	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 19:07	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 19:07	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 19:07	
Ethanol	ND	50	ug/L	1.00	07/28/2004 19:07	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	76-130	%	1.00	07/28/2004 19:07	
Toluene-d8	109.2	78-115	%	1.00	07/28/2004 19:07	

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

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-07-0489 - 7
Sampled:	07/14/2004	Extracted:	7/28/2004 19:29
Matrix:	Water	QC Batch#:	2004/07/28-2C.64

Analysis Flag: ,gs (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/28/2004 19:29	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 19:29	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 19:29	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 19:29	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 19:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2004 19:29	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/28/2004 19:29	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2004 19:29	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2004 19:29	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2004 19:29	
Ethanol	ND	50	ug/L	1.00	07/28/2004 19:29	
Surrogate(s)						
1,2-Dichloroethane-d4	108.4	76-130	%	1.00	07/28/2004 19:29	
Toluene-d8	106.1	78-115	%	1.00	07/28/2004 19:29	

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

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/07/28-1B.65**

MB: 2004/07/28-1B.65-038
Date Extracted: 07/28/2004 13:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2004 13:38	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/28/2004 13:38	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/28/2004 13:38	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/28/2004 13:38	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/28/2004 13:38	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/28/2004 13:38	
Benzene	ND	0.5	ug/L	07/28/2004 13:38	
Toluene	ND	0.5	ug/L	07/28/2004 13:38	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 13:38	
Total xylenes	ND	1.0	ug/L	07/28/2004 13:38	
Ethanol	ND	50	ug/L	07/28/2004 13:38	
Surrogates(s)					
1,2-Dichloroethane-d4	106.2	76-130	%	07/28/2004 13:38	
Toluene-d8	89.6	78-115	%	07/28/2004 13:38	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/07/28-2C.64**

MB: 2004/07/28-2C.64-018 — Date Extracted: 07/28/2004 18:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2004 18:18	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/28/2004 18:18	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/28/2004 18:18	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/28/2004 18:18	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/28/2004 18:18	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/28/2004 18:18	
Benzene	ND	0.5	ug/L	07/28/2004 18:18	
Toluene	ND	0.5	ug/L	07/28/2004 18:18	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 18:18	
Total xylenes	ND	1.0	ug/L	07/28/2004 18:18	
Ethanol	ND	50	ug/L	07/28/2004 18:18	
Surrogates(s)					
1,2-Dichloroethane-d4	102.4	76-130	%	07/28/2004 18:18	
Toluene-d8	111.8	78-115	%	07/28/2004 18:18	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/07/28-3A.69**

MB: 2004/07/28-3A.69-027 — Date Extracted: 07/28/2004 17:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/28/2004 17:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/28/2004 17:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/28/2004 17:27	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/28/2004 17:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/28/2004 17:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/28/2004 17:27	
Benzene	ND	0.5	ug/L	07/28/2004 17:27	
Toluene	ND	0.5	ug/L	07/28/2004 17:27	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 17:27	
Total xylenes	ND	1.0	ug/L	07/28/2004 17:27	
Ethanol	ND	50	ug/L	07/28/2004 17:27	
Surrogates(s)					
1,2-Dichloroethane-d4	102.0	76-130	%	07/28/2004 17:27	
Toluene-d8	105.6	78-115	%	07/28/2004 17:27	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/07/28-1B.65**

LCS 2004/07/28-1B.65-048 Extracted: 07/28/2004 Analyzed: 07/28/2004 12:48
LCSD 2004/07/28-1B.65-013 Extracted: 07/28/2004 Analyzed: 07/28/2004 13:13

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.0	31.8	25	128.0	127.2	0.6	65-165	20		
Benzene	30.7	30.0	25	122.8	120.0	2.3	69-129	20		
Toluene	28.3	27.8	25	113.2	111.2	1.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	475	477	500	95.0	95.4		76-130			
Toluene-d8	491	505	500	98.2	101.0		78-115			

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

Cambria Environmental Sonoma
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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/07/28-2C.64**

LCS 2004/07/28-2C.64-033 Extracted: 07/28/2004 Analyzed: 07/28/2004 17:33

LCSD 2004/07/28-2C.64-055 Extracted: 07/28/2004 Analyzed: 07/28/2004 17:55

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.6	27.4	25	106.4	109.6	3.0	65-165	20		
Benzene	25.6	26.4	25	102.4	105.6	3.1	69-129	20		
Toluene	28.6	29.5	25	114.4	118.0	3.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	531	526	500	106.2	105.2		76-130			
Toluene-d8	561	564	500	112.2	112.8		78-115			

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

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/07/28-3A.69**

LCS 2004/07/28-3A.69-016 Extracted: 07/28/2004 Analyzed: 07/28/2004 18:16

LCSD 2004/07/28-3A.69-045 Extracted: 07/28/2004 Analyzed: 07/28/2004 17:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.0	23.5	25	92.0	94.0	2.2	65-165	20		
Benzene	25.3	24.8	25	101.2	99.2	2.0	69-129	20		
Toluene	23.0	23.7	25	92.0	94.8	3.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489	479	500	97.8	95.8		76-130			
Toluene-d8	532	564	500	106.4	112.8		78-115			

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

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Legend and Notes

Sample Comment

Lab ID: 2004-07-0489-6

gs-Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 270 ug/L.

Lab ID: 2004-07-0489-7

gs-Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 260 ug/L.

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
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Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	07/14/2004 12:20	Water	1
270-MID	07/14/2004 12:15	Water	2
270-EFF	07/14/2004 12:10	Water	3
258-INF	07/14/2004	Water	4
258-MID-1	07/14/2004	Water	5
258-MID-2	07/14/2004	Water	6
258-EFF	07/14/2004	Water	7

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-07-0489 - 1
Sampled:	07/14/2004 12:20	Extracted:	7/28/2004 10:26
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 10:26	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Bromomethane	1.3	1.0	ug/L	1.00	07/28/2004 10:26	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 10:26	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 10:26	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 10:26	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-07-0489 - 1
Sampled:	07/14/2004 12:20	Extracted:	7/28/2004 10:26
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 10:26	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 10:26	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 10:26	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 10:26	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 10:26	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-07-0489 - 1
Sampled:	07/14/2004 12:20	Extracted:	7/28/2004 10:26
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 10:26	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 10:26	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 10:26	
Surrogate(s)						
4-Bromofluorobenzene	106.5	79-118	%	1.00	07/28/2004 10:26	
1,2-Dichloroethane-d4	91.2	78-117	%	1.00	07/28/2004 10:26	
Toluene-d8	107.0	77-121	%	1.00	07/28/2004 10:26	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-07-0489 - 2
Sampled:	07/14/2004 12:15	Extracted:	7/28/2004 12:06
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 12:06	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Bromomethane	1.2	1.0	ug/L	1.00	07/28/2004 12:06	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 12:06	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 12:06	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 12:06	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-07-0489 - 2
Sampled:	07/14/2004 12:15	Extracted:	7/28/2004 12:06
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 12:06	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 12:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 12:06	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:06	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:06	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-07-0489 - 2
Sampled:	07/14/2004 12:15	Extracted:	7/28/2004 12:06
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 12:06	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 12:06	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 12:06	
Surrogate(s)						
4-Bromofluorobenzene	109.1	79-118	%	1.00	07/28/2004 12:06	
1,2-Dichloroethane-d4	95.9	78-117	%	1.00	07/28/2004 12:06	
Toluene-d8	107.7	77-121	%	1.00	07/28/2004 12:06	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-07-0489 - 3
Sampled:	07/14/2004 12:10	Extracted:	7/28/2004 12:40
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 12:40	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Bromomethane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 12:40	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 12:40	
Carbon tetrachloride	4.5	0.50	ug/L	1.00	07/28/2004 12:40	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 12:40	
Chloroform	1.2	1.0	ug/L	1.00	07/28/2004 12:40	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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270 Perkins Street
Sonoma, CA 95476
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-07-0489 - 3
Sampled:	07/14/2004 12:10	Extracted:	7/28/2004 12:40
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 12:40	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 12:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 12:40	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 12:40	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 12:40	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-07-0489 - 3
Sampled:	07/14/2004 12:10	Extracted:	7/28/2004 12:40
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 12:40	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 12:40	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 12:40	
Surrogate(s)						
4-Bromofluorobenzene	105.8	79-118	%	1.00	07/28/2004 12:40	
1,2-Dichloroethane-d4	94.2	78-117	%	1.00	07/28/2004 12:40	
Toluene-d8	106.7	77-121	%	1.00	07/28/2004 12:40	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-07-0489 - 4
Sampled:	07/14/2004	Extracted:	7/28/2004 13:13
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 13:13	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Bromomethane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 13:13	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 13:13	
Carbon tetrachloride	2.3	0.50	ug/L	1.00	07/28/2004 13:13	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 13:13	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-07-0489 - 4
Sampled:	07/14/2004	Extracted:	7/28/2004 13:13
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 13:13	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 13:13	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 13:13	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:13	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:13	

Volatile Organic Compounds by 8260B (Low Level)

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98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-07-0489 - 4
Sampled:	07/14/2004	Extracted:	7/28/2004 13:13
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 13:13	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 13:13	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 13:13	
Surrogate(s)						
4-Bromofluorobenzene	107.5	79-118	%	1.00	07/28/2004 13:13	
1,2-Dichloroethane-d4	95.6	78-117	%	1.00	07/28/2004 13:13	
Toluene-d8	103.8	77-121	%	1.00	07/28/2004 13:13	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-07-0489 - 5
Sampled:	07/14/2004	Extracted:	7/28/2004 13:47
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 13:47	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Bromomethane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 13:47	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 13:47	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 13:47	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-07-0489 - 5
Sampled:	07/14/2004	Extracted:	7/28/2004 13:47
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 13:47	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 13:47	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 13:47	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 13:47	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 13:47	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-07-0489 - 5
Sampled:	07/14/2004	Extracted:	7/28/2004 13:47
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 13:47	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 13:47	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 13:47	
Surrogate(s)						
4-Bromofluorobenzene	107.8	79-118	%	1.00	07/28/2004 13:47	
1,2-Dichloroethane-d4	97.3	78-117	%	1.00	07/28/2004 13:47	
Toluene-d8	104.2	77-121	%	1.00	07/28/2004 13:47	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-07-0489 - 6
Sampled:	07/14/2004	Extracted:	7/28/2004 14:20
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 14:20	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Bromomethane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 14:20	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 14:20	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 14:20	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-07-0489 - 6
Sampled:	07/14/2004	Extracted:	7/28/2004 14:20
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 14:20	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 14:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 14:20	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:20	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:20	

Volatile Organic Compounds by 8260B (Low Level)

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Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-07-0489 - 6
Sampled:	07/14/2004	Extracted:	7/28/2004 14:20
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 14:20	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 14:20	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 14:20	
Surrogate(s)						
4-Bromofluorobenzene	107.3	79-118	%	1.00	07/28/2004 14:20	
1,2-Dichloroethane-d4	97.3	78-117	%	1.00	07/28/2004 14:20	
Toluene-d8	106.9	77-121	%	1.00	07/28/2004 14:20	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-07-0489 - 7
Sampled:	07/14/2004	Extracted:	7/28/2004 14:54
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Acetone	ND	50	ug/L	1.00	07/28/2004 14:54	
Benzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Bromobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Bromochloromethane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Bromoform	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Bromomethane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
2-Butanone(MEK)	ND	50	ug/L	1.00	07/28/2004 14:54	
n-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
sec-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
tert-Butylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Carbon disulfide	ND	5.0	ug/L	1.00	07/28/2004 14:54	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Chlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Chloroethane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	07/28/2004 14:54	
Chloroform	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Chloromethane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
2-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
4-Chlorotoluene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-07-0489 - 7
Sampled:	07/14/2004	Extracted:	7/28/2004 14:54
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
2-Hexanone	ND	50	ug/L	1.00	07/28/2004 14:54	
Isopropylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Methylene chloride	ND	5.0	ug/L	1.00	07/28/2004 14:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	07/28/2004 14:54	
Naphthalene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
n-Propylbenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Styrene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Toluene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	07/28/2004 14:54	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Trichloroethene	ND	0.50	ug/L	1.00	07/28/2004 14:54	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-07-0489 - 7
Sampled:	07/14/2004	Extracted:	7/28/2004 14:54
Matrix:	Water	QC Batch#:	2004/07/28-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Vinyl acetate	ND	25	ug/L	1.00	07/28/2004 14:54	
Vinyl chloride	ND	0.50	ug/L	1.00	07/28/2004 14:54	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2004 14:54	
Surrogate(s)						
4-Bromofluorobenzene	108.1	79-118	%	1.00	07/28/2004 14:54	
1,2-Dichloroethane-d4	95.3	78-117	%	1.00	07/28/2004 14:54	
Toluene-d8	106.4	77-121	%	1.00	07/28/2004 14:54	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/07/28-01.71**

MB: 2004/07/28-01.71-053
Date Extracted: 07/28/2004 09:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Acetone	ND	50	ug/L	07/28/2004 09:53	
Benzene	ND	0.5	ug/L	07/28/2004 09:53	
Bromodichloromethane	ND	0.5	ug/L	07/28/2004 09:53	
Bromobenzene	ND	1.0	ug/L	07/28/2004 09:53	
Bromochloromethane	ND	1.0	ug/L	07/28/2004 09:53	
Bromoform	ND	0.5	ug/L	07/28/2004 09:53	
Bromomethane	ND	1.0	ug/L	07/28/2004 09:53	
2-Butanone(MEK)	ND	50	ug/L	07/28/2004 09:53	
n-Butylbenzene	ND	1.0	ug/L	07/28/2004 09:53	
sec-Butylbenzene	ND	1.0	ug/L	07/28/2004 09:53	
tert-Butylbenzene	ND	1.0	ug/L	07/28/2004 09:53	
Carbon disulfide	ND	5.0	ug/L	07/28/2004 09:53	
Carbon tetrachloride	ND	0.5	ug/L	07/28/2004 09:53	
Chlorobenzene	ND	0.5	ug/L	07/28/2004 09:53	
Chloroethane	ND	1.0	ug/L	07/28/2004 09:53	
2-Chloroethylvinyl ether	ND	5.0	ug/L	07/28/2004 09:53	
Chloroform	ND	1.0	ug/L	07/28/2004 09:53	
Chloromethane	ND	1.0	ug/L	07/28/2004 09:53	
2-Chlorotoluene	ND	0.5	ug/L	07/28/2004 09:53	
4-Chlorotoluene	ND	0.5	ug/L	07/28/2004 09:53	
Dibromochloromethane	ND	0.5	ug/L	07/28/2004 09:53	
1,2-Dichlorobenzene	ND	0.5	ug/L	07/28/2004 09:53	
1,3-Dichlorobenzene	ND	0.5	ug/L	07/28/2004 09:53	
1,4-Dichlorobenzene	ND	0.5	ug/L	07/28/2004 09:53	
1,3-Dichloropropane	ND	1.0	ug/L	07/28/2004 09:53	
2,2-Dichloropropane	ND	0.5	ug/L	07/28/2004 09:53	
1,1-Dichloropropene	ND	0.5	ug/L	07/28/2004 09:53	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	07/28/2004 09:53	
1,2-Dibromoethane	ND	0.5	ug/L	07/28/2004 09:53	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/07/28-01.71**

MB: 2004/07/28-01.71-053 — Date Extracted: 07/28/2004 09:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Dibromomethane	ND	0.5	ug/L	07/28/2004 09:53	
Dichlorodifluoromethane	ND	0.5	ug/L	07/28/2004 09:53	
1,1-Dichloroethane	ND	0.5	ug/L	07/28/2004 09:53	
1,2-Dichloroethane	ND	0.5	ug/L	07/28/2004 09:53	
1,1-Dichloroethene	ND	0.5	ug/L	07/28/2004 09:53	
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/28/2004 09:53	
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/28/2004 09:53	
1,2-Dichloropropane	ND	0.5	ug/L	07/28/2004 09:53	
cis-1,3-Dichloropropene	ND	0.5	ug/L	07/28/2004 09:53	
trans-1,3-Dichloropropene	ND	0.5	ug/L	07/28/2004 09:53	
Ethylbenzene	ND	0.5	ug/L	07/28/2004 09:53	
Hexachlorobutadiene	ND	1.0	ug/L	07/28/2004 09:53	
2-Hexanone	ND	50	ug/L	07/28/2004 09:53	
Isopropylbenzene	ND	0.5	ug/L	07/28/2004 09:53	
p-Isopropyltoluene	ND	1.0	ug/L	07/28/2004 09:53	
Methylene chloride	ND	5.0	ug/L	07/28/2004 09:53	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	07/28/2004 09:53	
Naphthalene	ND	1.0	ug/L	07/28/2004 09:53	
n-Propylbenzene	ND	1.0	ug/L	07/28/2004 09:53	
Styrene	ND	0.5	ug/L	07/28/2004 09:53	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	07/28/2004 09:53	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	07/28/2004 09:53	
Tetrachloroethene	ND	0.5	ug/L	07/28/2004 09:53	
Toluene	ND	0.5	ug/L	07/28/2004 09:53	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	07/28/2004 09:53	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	07/28/2004 09:53	
1,1,1-Trichloroethane	ND	0.5	ug/L	07/28/2004 09:53	
1,1,2-Trichloroethane	ND	0.5	ug/L	07/28/2004 09:53	
Trichloroethene	ND	0.5	ug/L	07/28/2004 09:53	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/07/28-01.71**

MB: 2004/07/28-01.71-053 — Date Extracted: 07/28/2004 09:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichlorofluoromethane	ND	1.0	ug/L	07/28/2004 09:53	
Trichlorotrifluoroethane	ND	0.5	ug/L	07/28/2004 09:53	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	07/28/2004 09:53	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	07/28/2004 09:53	
Vinyl acetate	ND	25	ug/L	07/28/2004 09:53	
Vinyl chloride	ND	0.5	ug/L	07/28/2004 09:53	
Total xylenes	ND	1.0	ug/L	07/28/2004 09:53	
Surrogates(s)					
4-Bromofluorobenzene	105.9	79-118	%	07/28/2004 09:53	
1,2-Dichloroethane-d4	95.1	78-117	%	07/28/2004 09:53	
Toluene-d8	103.5	77-121	%	07/28/2004 09:53	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 07/15/2004 13:45

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/07/28-01.71**

LCS 2004/07/28-01.71-046 Extracted: 07/28/2004 Analyzed: 07/28/2004 08:46

LCSD 2004/07/28-01.71-019 Extracted: 07/28/2004 Analyzed: 07/28/2004 09:19

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	18.4	19.2	20.0	92.0	96.0	4.3	69-129	20		
Chlorobenzene	19.8	20.5	20.0	99.0	102.5	3.5	61-121	20		
1,1-Dichloroethene	17.7	17.6	20.0	88.5	88.0	0.6	65-125	20		
Toluene	19.3	20.5	20.0	96.5	102.5	6.0	70-130	20		
Trichloroethene	18.1	18.1	20.0	90.5	90.5	0.0	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	518	520	500	103.6	104.0		79-118			
1,2-Dichloroethane-d4	476	495	500	95.2	99.0		78-117			
Toluene-d8	519	541	500	103.8	108.2		77-121			

2004-07-0489

STL-San Francisco

SHELL Chain Of Custody Record

87821

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING — Denis Brown
☐ TECHNICAL SERVICES — 707-865-0251
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 6 1 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 7/14/04

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.	LOG CODE: CETS	SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa	GLOBAL ID NO.: T0609700053
ADDRESS: 270 Perkins Street, Sonoma, CA 95476		EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney — PHONE NO.: 707-935-4850	E-MAIL: sonomaedf@cambria-env.com — CONSULTANT PROJECT NO.: 246-0173
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney		SAMPLER NAME(S) (Print): MARK JOHNSON	LAB USE ONLY
TELEPHONE: 707-933-2366 — FAX: 707-935-6649	E-MAIL: tmagney@cambria-env.com		

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

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY: _____

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

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

Flowmeter @270 = 60882

Flowmeter @258 =

REQUESTED ANALYSIS

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

6°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFTS ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	TEMPERATURE ON RECEIPT C°
	270-INF	7/14/04	12:20	Water	6	X		X	X		X		X		X						VOAs w/HCl
	270-MID		12:15	Water	6	X		X	X		X		X		X						VOAs w/HCl
	270-EFF		12:10	Water	6	X		X	X		X		X		X						VOAs w/HCl
	258-INF			Water	6	X		X	X		X		X		X						VOAs w/HCl
	258-MID-1			Water	6	X		X	X		X		X		X						VOAs w/HCl
	258-MID-2			Water	6	X		X	X		X		X		X						VOAs w/HCl
	258-EFF			Water	6	X		X	X		X		X		X						VOAs w/HCl

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Mark Johnson	[signature]	7/15/04	1345
[signature] 7/15/04 1426			
	Denise Harrington / STL-SF	7/15/04	1425

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

10/16/00 Shell Revision

2/11/04 Cambria Revision

Q&Q Graphic (714) 998-9702

SEVERN TRENT STL

Submission#: 2004-08-0188

Cambria Environmental Sonoma August 19, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996613
Site: 255 Dutton Avenue, Santa Rosa

Dear Mr. Magney:

Attached is our report for your samples received on 08/06/2004 12:10
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/20/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	08/05/2004 10:50	Water	1
270-MID	08/05/2004 10:40	Water	2
270-EFF	08/05/2004 10:30	Water	3
258-INF	08/05/2004 09:30	Water	4
258-MID-1	08/05/2004 09:20	Water	5
258-MID-2	08/05/2004 09:10	Water	6
258-EFF	08/05/2004 09:00	Water	7

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-08-0188 - 1
Sampled:	08/05/2004 10:50	Extracted:	8/13/2004 20:02
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 20:02	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 20:02	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 20:02	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 20:02	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 20:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 20:02	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/13/2004 20:02	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 20:02	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 20:02	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 20:02	
Ethanol	ND	50	ug/L	1.00	08/13/2004 20:02	
Surrogate(s)						
1,2-Dichloroethane-d4	119.0	76-130	%	1.00	08/13/2004 20:02	
Toluene-d8	100.4	78-115	%	1.00	08/13/2004 20:02	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-08-0188 - 2
Sampled:	08/05/2004 10:40	Extracted:	8/13/2004 20:24
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 20:24	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 20:24	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 20:24	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 20:24	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 20:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 20:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/13/2004 20:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 20:24	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 20:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 20:24	
Ethanol	ND	50	ug/L	1.00	08/13/2004 20:24	
Surrogate(s)						
1,2-Dichloroethane-d4	108.9	76-130	%	1.00	08/13/2004 20:24	
Toluene-d8	99.0	78-115	%	1.00	08/13/2004 20:24	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-08-0188 - 3
Sampled:	08/05/2004 10:30	Extracted:	8/13/2004 20:46
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 20:46	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 20:46	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 20:46	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 20:46	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 20:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 20:46	
Methyl tert-butyl ether (MTBE)	94	0.50	ug/L	1.00	08/13/2004 20:46	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 20:46	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 20:46	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 20:46	
Ethanol	ND	50	ug/L	1.00	08/13/2004 20:46	
Surrogate(s)						
1,2-Dichloroethane-d4	112.5	76-130	%	1.00	08/13/2004 20:46	
Toluene-d8	103.2	78-115	%	1.00	08/13/2004 20:46	

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

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-08-0188 - 4
Sampled:	08/05/2004 09:30	Extracted:	8/13/2004 21:09
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 21:09	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 21:09	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 21:09	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 21:09	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 21:09	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 21:09	
Methyl tert-butyl ether (MTBE)	0.58	0.50	ug/L	1.00	08/13/2004 21:09	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 21:09	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 21:09	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 21:09	
Ethanol	ND	50	ug/L	1.00	08/13/2004 21:09	
Surrogate(s)						
1,2-Dichloroethane-d4	111.7	76-130	%	1.00	08/13/2004 21:09	
Toluene-d8	101.4	78-115	%	1.00	08/13/2004 21:09	

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

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Project: 246-0173
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Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-08-0188 - 5
Sampled:	08/05/2004 09:20	Extracted:	8/13/2004 21:31
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 21:31	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 21:31	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 21:31	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 21:31	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 21:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 21:31	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/13/2004 21:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 21:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 21:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 21:31	
Ethanol	ND	50	ug/L	1.00	08/13/2004 21:31	
Surrogate(s)						
1,2-Dichloroethane-d4	107.3	76-130	%	1.00	08/13/2004 21:31	
Toluene-d8	97.9	78-115	%	1.00	08/13/2004 21:31	

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

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-08-0188 - 6
Sampled:	08/05/2004 09:10	Extracted:	8/13/2004 21:53
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 21:53	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 21:53	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 21:53	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 21:53	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 21:53	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 21:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/13/2004 21:53	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 21:53	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 21:53	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 21:53	
Ethanol	ND	50	ug/L	1.00	08/13/2004 21:53	
Surrogate(s)						
1,2-Dichloroethane-d4	114.3	76-130	%	1.00	08/13/2004 21:53	
Toluene-d8	101.9	78-115	%	1.00	08/13/2004 21:53	

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

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Project: 246-0173
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Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-08-0188 - 7
Sampled:	08/05/2004 09:00	Extracted:	8/13/2004 22:16
Matrix:	Water	QC Batch#:	2004/08/13-2C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/13/2004 22:16	
Benzene	ND	0.50	ug/L	1.00	08/13/2004 22:16	
Toluene	ND	0.50	ug/L	1.00	08/13/2004 22:16	
Ethylbenzene	ND	0.50	ug/L	1.00	08/13/2004 22:16	
Total xylenes	ND	1.0	ug/L	1.00	08/13/2004 22:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/13/2004 22:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/13/2004 22:16	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/13/2004 22:16	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/13/2004 22:16	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/13/2004 22:16	
Ethanol	ND	50	ug/L	1.00	08/13/2004 22:16	
Surrogate(s)						
1,2-Dichloroethane-d4	114.7	76-130	%	1.00	08/13/2004 22:16	
Toluene-d8	99.8	78-115	%	1.00	08/13/2004 22:16	

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

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/08/13-2C.64**

MB: 2004/08/13-2C.64-010
Date Extracted: 08/13/2004 18:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/13/2004 18:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/13/2004 18:10	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/13/2004 18:10	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/13/2004 18:10	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/13/2004 18:10	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/13/2004 18:10	
Benzene	ND	0.5	ug/L	08/13/2004 18:10	
Toluene	ND	0.5	ug/L	08/13/2004 18:10	
Ethylbenzene	ND	0.5	ug/L	08/13/2004 18:10	
Total xylenes	ND	1.0	ug/L	08/13/2004 18:10	
Ethanol	ND	50	ug/L	08/13/2004 18:10	
Surrogates(s)					
1,2-Dichloroethane-d4	103.8	76-130	%	08/13/2004 18:10	
Toluene-d8	99.8	78-115	%	08/13/2004 18:10	

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

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/13-2C.64**

LCS 2004/08/13-2C.64-048 Extracted: 08/13/2004 Analyzed: 08/13/2004 17:48

LCSD 2004/08/13-2C.64-033 Extracted: 08/13/2004 Analyzed: 08/13/2004 18:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.5	25.1	25	94.0	100.4	6.6	65-165	20		
Benzene	21.6	22.4	25	86.4	89.6	3.6	69-129	20		
Toluene	23.4	25.1	25	93.6	100.4	7.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	508	506	500	101.6	101.2		76-130			
Toluene-d8	525	507	500	105.0	101.4		78-115			

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	08/05/2004 10:50	Water	1
270-MID	08/05/2004 10:40	Water	2
270-EFF	08/05/2004 10:30	Water	3
258-INF	08/05/2004 09:30	Water	4
258-MID-1	08/05/2004 09:20	Water	5
258-MID-2	08/05/2004 09:10	Water	6
258-EFF	08/05/2004 09:00	Water	7

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-08-0188 - 1
Sampled:	08/05/2004 10:50	Extracted:	8/16/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 12:31	
Acetone	ND	50	ug/L	1.00	08/16/2004 12:31	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Bromomethane	2.0	1.0	ug/L	1.00	08/16/2004 12:31	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 12:31	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 12:31	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 12:31	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 12:31	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 12:31	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 12:31	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 12:31	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-08-0188 - 1
Sampled:	08/05/2004 10:50	Extracted:	8/16/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 12:31	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 12:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 12:31	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 12:31	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-08-0188 - 1
Sampled:	08/05/2004 10:50	Extracted:	8/16/2004 12:31
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 12:31	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 12:31	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 12:31	
Surrogate(s)						
4-Bromofluorobenzene	103.0	79-118	%	1.00	08/16/2004 12:31	
1,2-Dichloroethane-d4	90.3	78-117	%	1.00	08/16/2004 12:31	
Toluene-d8	103.9	77-121	%	1.00	08/16/2004 12:31	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-08-0188 - 2
Sampled:	08/05/2004 10:40	Extracted:	8/16/2004 14:11
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 14:11	
Acetone	ND	50	ug/L	1.00	08/16/2004 14:11	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Bromomethane	1.1	1.0	ug/L	1.00	08/16/2004 14:11	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 14:11	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 14:11	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 14:11	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 14:11	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 14:11	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 14:11	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 14:11	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-08-0188 - 2
Sampled:	08/05/2004 10:40	Extracted:	8/16/2004 14:11
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 14:11	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 14:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 14:11	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 14:11	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-08-0188 - 2
Sampled:	08/05/2004 10:40	Extracted:	8/16/2004 14:11
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 14:11	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 14:11	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 14:11	
Surrogate(s)						
4-Bromofluorobenzene	104.7	79-118	%	1.00	08/16/2004 14:11	
1,2-Dichloroethane-d4	93.6	78-117	%	1.00	08/16/2004 14:11	
Toluene-d8	102.9	77-121	%	1.00	08/16/2004 14:11	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-08-0188 - 3
Sampled:	08/05/2004 10:30	Extracted:	8/17/2004 10:41
Matrix:	Water	QC Batch#:	2004/08/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	92	5.0	ug/L	1.00	08/17/2004 10:41	
Acetone	ND	50	ug/L	1.00	08/17/2004 10:41	
Benzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Bromobenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Bromochloromethane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Bromoform	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Bromomethane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/17/2004 10:41	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Carbon disulfide	ND	5.0	ug/L	1.00	08/17/2004 10:41	
Carbon tetrachloride	5.2	0.50	ug/L	1.00	08/17/2004 10:41	
Chlorobenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Chloroethane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/17/2004 10:41	
Chloroform	1.2	1.0	ug/L	1.00	08/17/2004 10:41	
Chloromethane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/17/2004 10:41	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-08-0188 - 3
Sampled:	08/05/2004 10:30	Extracted:	8/17/2004 10:41
Matrix:	Water	QC Batch#:	2004/08/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Dibromomethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Ethylbenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
2-Hexanone	ND	50	ug/L	1.00	08/17/2004 10:41	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Methylene chloride	ND	5.0	ug/L	1.00	08/17/2004 10:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/17/2004 10:41	
Naphthalene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Styrene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Toluene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/17/2004 10:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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270 Perkins Street
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-08-0188 - 3
Sampled:	08/05/2004 10:30	Extracted:	8/17/2004 10:41
Matrix:	Water	QC Batch#:	2004/08/17-01.09

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Vinyl acetate	ND	25	ug/L	1.00	08/17/2004 10:41	
Vinyl chloride	ND	0.50	ug/L	1.00	08/17/2004 10:41	
Total xylenes	ND	1.0	ug/L	1.00	08/17/2004 10:41	
Surrogate(s)						
4-Bromofluorobenzene	89.7	79-118	%	1.00	08/17/2004 10:41	
1,2-Dichloroethane-d4	98.0	78-117	%	1.00	08/17/2004 10:41	
Toluene-d8	96.7	77-121	%	1.00	08/17/2004 10:41	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-08-0188 - 4
Sampled:	08/05/2004 09:30	Extracted:	8/16/2004 15:18
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 15:18	
Acetone	ND	50	ug/L	1.00	08/16/2004 15:18	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Bromomethane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 15:18	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 15:18	
Carbon tetrachloride	2.5	0.50	ug/L	1.00	08/16/2004 15:18	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 15:18	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 15:18	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-08-0188 - 4
Sampled:	08/05/2004 09:30	Extracted:	8/16/2004 15:18
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 15:18	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 15:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 15:18	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:18	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-08-0188 - 4
Sampled:	08/05/2004 09:30	Extracted:	8/16/2004 15:18
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 15:18	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 15:18	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 15:18	
Surrogate(s)						
4-Bromofluorobenzene	103.1	79-118	%	1.00	08/16/2004 15:18	
1,2-Dichloroethane-d4	91.1	78-117	%	1.00	08/16/2004 15:18	
Toluene-d8	104.3	77-121	%	1.00	08/16/2004 15:18	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-08-0188 - 5
Sampled:	08/05/2004 09:20	Extracted:	8/16/2004 15:52
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 15:52	
Acetone	ND	50	ug/L	1.00	08/16/2004 15:52	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Bromomethane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 15:52	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 15:52	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 15:52	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 15:52	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-08-0188 - 5
Sampled:	08/05/2004 09:20	Extracted:	8/16/2004 15:52
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 15:52	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 15:52	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 15:52	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 15:52	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	

Volatile Organic Compounds by 8260B (Low Level)

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Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-08-0188 - 5
Sampled:	08/05/2004 09:20	Extracted:	8/16/2004 15:52
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 15:52	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 15:52	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 15:52	
Surrogate(s)						
4-Bromofluorobenzene	101.6	79-118	%	1.00	08/16/2004 15:52	
1,2-Dichloroethane-d4	91.7	78-117	%	1.00	08/16/2004 15:52	
Toluene-d8	103.2	77-121	%	1.00	08/16/2004 15:52	

Volatile Organic Compounds by 8260B (Low Level)

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98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-08-0188 - 6
Sampled:	08/05/2004 09:10	Extracted:	8/16/2004 16:26
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 16:26	
Acetone	ND	50	ug/L	1.00	08/16/2004 16:26	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Bromomethane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 16:26	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 16:26	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 16:26	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 16:26	

Volatile Organic Compounds by 8260B (Low Level)

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Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-08-0188 - 6
Sampled:	08/05/2004 09:10	Extracted:	8/16/2004 16:26
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 16:26	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 16:26	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 16:26	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:26	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-08-0188 - 6
Sampled:	08/05/2004 09:10	Extracted:	8/16/2004 16:26
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 16:26	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 16:26	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 16:26	
Surrogate(s)						
4-Bromofluorobenzene	106.8	79-118	%	1.00	08/16/2004 16:26	
1,2-Dichloroethane-d4	93.2	78-117	%	1.00	08/16/2004 16:26	
Toluene-d8	102.3	77-121	%	1.00	08/16/2004 16:26	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-08-0188 - 7
Sampled:	08/05/2004 09:00	Extracted:	8/16/2004 16:59
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	08/16/2004 16:59	
Acetone	ND	50	ug/L	1.00	08/16/2004 16:59	
Benzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Bromodichloromethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Bromobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Bromochloromethane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Bromoform	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Bromomethane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
2-Butanone(MEK)	ND	50	ug/L	1.00	08/16/2004 16:59	
n-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
sec-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
tert-Butylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Carbon disulfide	ND	5.0	ug/L	1.00	08/16/2004 16:59	
Carbon tetrachloride	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Chlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Chloroethane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	08/16/2004 16:59	
Chloroform	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Chloromethane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
2-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
4-Chlorotoluene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Dibromochloromethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	08/16/2004 16:59	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-08-0188 - 7
Sampled:	08/05/2004 09:00	Extracted:	8/16/2004 16:59
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Dibromomethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
2-Hexanone	ND	50	ug/L	1.00	08/16/2004 16:59	
Isopropylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Methylene chloride	ND	5.0	ug/L	1.00	08/16/2004 16:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	08/16/2004 16:59	
Naphthalene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
n-Propylbenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Styrene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Tetrachloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Toluene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	08/16/2004 16:59	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-08-0188 - 7
Sampled:	08/05/2004 09:00	Extracted:	8/16/2004 16:59
Matrix:	Water	QC Batch#:	2004/08/16-01.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Vinyl acetate	ND	25	ug/L	1.00	08/16/2004 16:59	
Vinyl chloride	ND	0.50	ug/L	1.00	08/16/2004 16:59	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2004 16:59	
Surrogate(s)						
4-Bromofluorobenzene	102.9	79-118	%	1.00	08/16/2004 16:59	
1,2-Dichloroethane-d4	91.5	78-117	%	1.00	08/16/2004 16:59	
Toluene-d8	104.4	77-121	%	1.00	08/16/2004 16:59	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/08/16-01.71

MB: 2004/08/16-01.71-010

Date Extracted: 08/16/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/16/2004 09:10	
Acetone	ND	50	ug/L	08/16/2004 09:10	
Benzene	ND	0.5	ug/L	08/16/2004 09:10	
Bromodichloromethane	ND	0.5	ug/L	08/16/2004 09:10	
Bromobenzene	ND	1.0	ug/L	08/16/2004 09:10	
Bromochloromethane	ND	1.0	ug/L	08/16/2004 09:10	
Bromoform	ND	0.5	ug/L	08/16/2004 09:10	
Bromomethane	ND	1.0	ug/L	08/16/2004 09:10	
2-Butanone(MEK)	ND	50	ug/L	08/16/2004 09:10	
n-Butylbenzene	ND	1.0	ug/L	08/16/2004 09:10	
sec-Butylbenzene	ND	1.0	ug/L	08/16/2004 09:10	
tert-Butylbenzene	ND	1.0	ug/L	08/16/2004 09:10	
Carbon disulfide	ND	5.0	ug/L	08/16/2004 09:10	
Carbon tetrachloride	ND	0.5	ug/L	08/16/2004 09:10	
Chlorobenzene	ND	0.5	ug/L	08/16/2004 09:10	
Chloroethane	ND	1.0	ug/L	08/16/2004 09:10	
2-Chloroethylvinyl ether	ND	5.0	ug/L	08/16/2004 09:10	
Chloroform	ND	1.0	ug/L	08/16/2004 09:10	
Chloromethane	ND	1.0	ug/L	08/16/2004 09:10	
2-Chlorotoluene	ND	0.5	ug/L	08/16/2004 09:10	
4-Chlorotoluene	ND	0.5	ug/L	08/16/2004 09:10	
Dibromochloromethane	ND	0.5	ug/L	08/16/2004 09:10	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/16/2004 09:10	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/16/2004 09:10	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/16/2004 09:10	
1,3-Dichloropropane	ND	1.0	ug/L	08/16/2004 09:10	
2,2-Dichloropropane	ND	0.5	ug/L	08/16/2004 09:10	
1,1-Dichloropropene	ND	0.5	ug/L	08/16/2004 09:10	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/16/2004 09:10	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/16-01.71**

MB: 2004/08/16-01.71-010 — Date Extracted: 08/16/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	08/16/2004 09:10	
Dibromomethane	ND	0.5	ug/L	08/16/2004 09:10	
Dichlorodifluoromethane	ND	0.5	ug/L	08/16/2004 09:10	
1,1-Dichloroethane	ND	0.5	ug/L	08/16/2004 09:10	
1,2-Dichloroethane	ND	0.5	ug/L	08/16/2004 09:10	
1,1-Dichloroethene	ND	0.5	ug/L	08/16/2004 09:10	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/16/2004 09:10	
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/16/2004 09:10	
1,2-Dichloropropane	ND	0.5	ug/L	08/16/2004 09:10	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/16/2004 09:10	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/16/2004 09:10	
Ethylbenzene	ND	0.5	ug/L	08/16/2004 09:10	
Hexachlorobutadiene	ND	1.0	ug/L	08/16/2004 09:10	
2-Hexanone	ND	50	ug/L	08/16/2004 09:10	
Isopropylbenzene	ND	0.5	ug/L	08/16/2004 09:10	
p-Isopropyltoluene	ND	1.0	ug/L	08/16/2004 09:10	
Methylene chloride	ND	5.0	ug/L	08/16/2004 09:10	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/16/2004 09:10	
Naphthalene	ND	1.0	ug/L	08/16/2004 09:10	
n-Propylbenzene	ND	1.0	ug/L	08/16/2004 09:10	
Styrene	ND	0.5	ug/L	08/16/2004 09:10	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/16/2004 09:10	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/16/2004 09:10	
Tetrachloroethene	ND	0.5	ug/L	08/16/2004 09:10	
Toluene	ND	0.5	ug/L	08/16/2004 09:10	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/16/2004 09:10	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/16/2004 09:10	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/16/2004 09:10	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/16/2004 09:10	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/16-01.71**

MB: 2004/08/16-01.71-010 — Date Extracted: 08/16/2004 09:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	08/16/2004 09:10	
Trichlorofluoromethane	ND	1.0	ug/L	08/16/2004 09:10	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/16/2004 09:10	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	08/16/2004 09:10	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	08/16/2004 09:10	
Vinyl acetate	ND	25	ug/L	08/16/2004 09:10	
Vinyl chloride	ND	0.5	ug/L	08/16/2004 09:10	
Total xylenes	ND	1.0	ug/L	08/16/2004 09:10	
Surrogates(s)					
4-Bromofluorobenzene	109.5	79-118	%	08/16/2004 09:10	
1,2-Dichloroethane-d4	93.7	78-117	%	08/16/2004 09:10	
Toluene-d8	109.1	77-121	%	08/16/2004 09:10	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/17-01.09**

MB: 2004/08/17-01.09-004 — Date Extracted: 08/17/2004 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	08/17/2004 08:38	
Acetone	ND	50	ug/L	08/17/2004 08:38	
Benzene	ND	0.5	ug/L	08/17/2004 08:38	
Bromodichloromethane	ND	0.5	ug/L	08/17/2004 08:38	
Bromobenzene	ND	1.0	ug/L	08/17/2004 08:38	
Bromochloromethane	ND	1.0	ug/L	08/17/2004 08:38	
Bromoform	ND	0.5	ug/L	08/17/2004 08:38	
Bromomethane	ND	1.0	ug/L	08/17/2004 08:38	
2-Butanone(MEK)	ND	50	ug/L	08/17/2004 08:38	
n-Butylbenzene	ND	1.0	ug/L	08/17/2004 08:38	
sec-Butylbenzene	ND	1.0	ug/L	08/17/2004 08:38	
tert-Butylbenzene	ND	1.0	ug/L	08/17/2004 08:38	
Carbon disulfide	ND	5.0	ug/L	08/17/2004 08:38	
Carbon tetrachloride	ND	0.5	ug/L	08/17/2004 08:38	
Chlorobenzene	ND	0.5	ug/L	08/17/2004 08:38	
Chloroethane	ND	1.0	ug/L	08/17/2004 08:38	
2-Chloroethylvinyl ether	ND	5.0	ug/L	08/17/2004 08:38	
Chloroform	ND	1.0	ug/L	08/17/2004 08:38	
Chloromethane	ND	1.0	ug/L	08/17/2004 08:38	
2-Chlorotoluene	ND	0.5	ug/L	08/17/2004 08:38	
4-Chlorotoluene	ND	0.5	ug/L	08/17/2004 08:38	
Dibromochloromethane	ND	0.5	ug/L	08/17/2004 08:38	
1,2-Dichlorobenzene	ND	0.5	ug/L	08/17/2004 08:38	
1,3-Dichlorobenzene	ND	0.5	ug/L	08/17/2004 08:38	
1,4-Dichlorobenzene	ND	0.5	ug/L	08/17/2004 08:38	
1,3-Dichloropropane	ND	1.0	ug/L	08/17/2004 08:38	
2,2-Dichloropropane	ND	0.5	ug/L	08/17/2004 08:38	
1,1-Dichloropropene	ND	0.5	ug/L	08/17/2004 08:38	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	08/17/2004 08:38	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/17-01.09**

MB: 2004/08/17-01.09-004 — Date Extracted: 08/17/2004 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	08/17/2004 08:38	
Dibromomethane	ND	0.5	ug/L	08/17/2004 08:38	
Dichlorodifluoromethane	ND	0.5	ug/L	08/17/2004 08:38	
1,1-Dichloroethane	ND	0.5	ug/L	08/17/2004 08:38	
1,2-Dichloroethane	ND	0.5	ug/L	08/17/2004 08:38	
1,1-Dichloroethene	ND	0.5	ug/L	08/17/2004 08:38	
cis-1,2-Dichloroethene	ND	0.5	ug/L	08/17/2004 08:38	
trans-1,2-Dichloroethene	ND	0.5	ug/L	08/17/2004 08:38	
1,2-Dichloropropane	ND	0.5	ug/L	08/17/2004 08:38	
cis-1,3-Dichloropropene	ND	0.5	ug/L	08/17/2004 08:38	
trans-1,3-Dichloropropene	ND	0.5	ug/L	08/17/2004 08:38	
Ethylbenzene	ND	0.5	ug/L	08/17/2004 08:38	
Hexachlorobutadiene	ND	1.0	ug/L	08/17/2004 08:38	
2-Hexanone	ND	50	ug/L	08/17/2004 08:38	
Isopropylbenzene	ND	0.5	ug/L	08/17/2004 08:38	
p-Isopropyltoluene	ND	1.0	ug/L	08/17/2004 08:38	
Methylene chloride	ND	5.0	ug/L	08/17/2004 08:38	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	08/17/2004 08:38	
Naphthalene	ND	1.0	ug/L	08/17/2004 08:38	
n-Propylbenzene	ND	1.0	ug/L	08/17/2004 08:38	
Styrene	ND	0.5	ug/L	08/17/2004 08:38	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	08/17/2004 08:38	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	08/17/2004 08:38	
Tetrachloroethene	ND	0.5	ug/L	08/17/2004 08:38	
Toluene	ND	0.5	ug/L	08/17/2004 08:38	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	08/17/2004 08:38	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	08/17/2004 08:38	
1,1,1-Trichloroethane	ND	0.5	ug/L	08/17/2004 08:38	
1,1,2-Trichloroethane	ND	0.5	ug/L	08/17/2004 08:38	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/17-01.09**

MB: 2004/08/17-01.09-004 — Date Extracted: 08/17/2004 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	08/17/2004 08:38	
Trichlorofluoromethane	ND	1.0	ug/L	08/17/2004 08:38	
Trichlorotrifluoroethane	ND	0.5	ug/L	08/17/2004 08:38	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	08/17/2004 08:38	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	08/17/2004 08:38	
Vinyl acetate	ND	25	ug/L	08/17/2004 08:38	
Vinyl chloride	ND	0.5	ug/L	08/17/2004 08:38	
Total xylenes	ND	1.0	ug/L	08/17/2004 08:38	
Surrogates(s)					
4-Bromofluorobenzene	94.1	79-118	%	08/17/2004 08:38	
1,2-Dichloroethane-d4	96.7	78-117	%	08/17/2004 08:38	
Toluene-d8	98.8	77-121	%	08/17/2004 08:38	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/16-01.71**

LCS 2004/08/16-01.71-003 Extracted: 08/16/2004 Analyzed: 08/16/2004 08:03

LCSD 2004/08/16-01.71-036 Extracted: 08/16/2004 Analyzed: 08/16/2004 08:36

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	21.9	19.5	20.0	109.5	97.5	11.6	69-129	20		
Chlorobenzene	23.4	21.3	20.0	117.0	106.5	9.4	61-121	20		
1,1-Dichloroethene	21.0	18.5	20.0	105.0	92.5	12.7	65-125	20		
Toluene	22.5	21.1	20.0	112.5	105.5	6.4	70-130	20		
Trichloroethene	21.0	18.6	20.0	105.0	93.0	12.1	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	551	544	500	110.2	108.8		79-118			
1,2-Dichloroethane-d4	481	470	500	96.2	94.0		78-117			
Toluene-d8	532	551	500	106.4	110.2		77-121			

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 08/06/2004 12:10

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/17-01.09**

LCS 2004/08/17-01.09-002 Extracted: 08/17/2004 Analyzed: 08/17/2004 07:32

LCSD 2004/08/17-01.09-003 Extracted: 08/17/2004 Analyzed: 08/17/2004 08:10

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	19.2	18.9	20.0	96.0	94.5	1.6	69-129	20		
Chlorobenzene	19.5	20.5	20.0	97.5	102.5	5.0	61-121	20		
1,1-Dichloroethene	17.6	19.1	20.0	88.0	95.5	8.2	65-125	20		
Toluene	20.1	19.3	20.0	100.5	96.5	4.1	70-130	20		
Trichloroethene	19.2	19.0	20.0	96.0	95.0	1.0	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	456	462	500	91.2	92.4		79-118			
1,2-Dichloroethane-d4	469	457	500	93.8	91.4		78-117			
Toluene-d8	488	459	500	97.6	91.8		77-121			

2004-08-0188

88470

SHELL Chain Of Custody Record

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING — Denis Brown

☐ TECHNICAL SERVICES — 707-865-0251

☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 6 1 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 8/5/04

PAGE: 1 of 1

SAMPLING COMPANY	Cambria Environmental Technology, Inc.
LOG CODE	CETS
SITE ADDRESS (Street and City)	255 Dutton Avenue, Santa Rosa
GLOBAL ID NO.	T0609700053
ADDRESS	270 Perkins Street, Sonoma, CA 95476
EDF DELIVERABLE TO (Responsible Party or Designee)	Tom Magney
PHONE NO.	707-935-4850
E-MAIL	sonomaedf@cambria-env.com
CONSULTANT PROJECT NO.	246-0173
PROJECT CONTACT (Hardcopy or PDF Report to)	Tom Magney
TELEPHONE	707-933-2366
FAX	707-935-6649
E-MAIL	tmagney@cambria-env.com
SAMPLER NAME(S) (Print)	Mark Johnson
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 ☐

Flowmeter @270 = 75973

Flowmeter @258 = 52140

REQUESTED ANALYSIS

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

4°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFTS ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	TEMPERATURE ON RECEIPT C°
	270-INF	8/5/04	10:50	Water	67	X		X	X		X		X		X						VOAs w/HCl
	270-MID		10:40	Water	67	X		X	X		X		X		X						VOAs w/HCl
	270-EFF		10:30	Water	67	X		X	X		X		X		X						VOAs w/HCl
	258-INF		9:30	Water	67	X		X	X		X		X		X						VOAs w/HCl
	258-MID-1		9:20	Water	67	X		X	X		X		X		X						VOAs w/HCl
	258-MID-2		9:00	Water	67	X		X	X		X		X		X						VOAs w/HCl
	258-EFF		9:00	Water	67	X		X	X		X		X		X						VOAs w/HCl

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Mark Johnson	[signature]	08/06/04	1210
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

10/10/00 Shell Revision

2/11/04 Cambria Revision

Q&D Graphic (714) 998-9702

SEVERN TRENT STL

Submission#: 2004-09-0763

Cambria Environmental Sonoma October 08, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Tom Magney

Project#: 246-0173
Project: 98996613
Site: 255 Dutton Avenue, Santa Rosa

Dear Mr. Magney:

Attached is our report for your samples received on 09/24/2004 09:30
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/08/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

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

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	09/22/2004 13:55	Water	1
270-MID	09/22/2004 13:50	Water	2
270-EFF	09/22/2004 13:45	Water	3
258-INF	09/22/2004 13:05	Water	4
258-MID-1	09/22/2004 13:00	Water	5
258-MID-2	09/22/2004 12:55	Water	6
258-EFF	09/22/2004 12:50	Water	7

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-09-0763 - 1
Sampled:	09/22/2004 13:55	Extracted:	10/3/2004 13:10
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 13:10	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 13:10	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 13:10	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 13:10	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 13:10	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 13:10	
Methyl tert-butyl ether (MTBE)	100	0.50	ug/L	1.00	10/03/2004 13:10	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 13:10	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 13:10	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 13:10	
Ethanol	ND	50	ug/L	1.00	10/03/2004 13:10	
Surrogate(s)						
1,2-Dichloroethane-d4	99.2	76-130	%	1.00	10/03/2004 13:10	
Toluene-d8	98.8	78-115	%	1.00	10/03/2004 13:10	

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

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-09-0763 - 2
Sampled:	09/22/2004 13:50	Extracted:	10/3/2004 13:33
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 13:33	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 13:33	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 13:33	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 13:33	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 13:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 13:33	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 13:33	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 13:33	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 13:33	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 13:33	
Ethanol	ND	50	ug/L	1.00	10/03/2004 13:33	
Surrogate(s)						
1,2-Dichloroethane-d4	98.1	76-130	%	1.00	10/03/2004 13:33	
Toluene-d8	102.1	78-115	%	1.00	10/03/2004 13:33	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-09-0763 - 3
Sampled:	09/22/2004 13:45	Extracted:	10/3/2004 13:55
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 13:55	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 13:55	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 13:55	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 13:55	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 13:55	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 13:55	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 13:55	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 13:55	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 13:55	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 13:55	
Ethanol	ND	50	ug/L	1.00	10/03/2004 13:55	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	76-130	%	1.00	10/03/2004 13:55	
Toluene-d8	100.6	78-115	%	1.00	10/03/2004 13:55	

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

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-09-0763 - 4
Sampled:	09/22/2004 13:05	Extracted:	10/3/2004 14:17
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 14:17	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 14:17	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 14:17	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 14:17	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 14:17	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 14:17	
Methyl tert-butyl ether (MTBE)	0.61	0.50	ug/L	1.00	10/03/2004 14:17	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 14:17	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 14:17	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 14:17	
Ethanol	ND	50	ug/L	1.00	10/03/2004 14:17	
Surrogate(s)						
1,2-Dichloroethane-d4	98.0	76-130	%	1.00	10/03/2004 14:17	
Toluene-d8	99.5	78-115	%	1.00	10/03/2004 14:17	

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

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-09-0763 - 5
Sampled:	09/22/2004 13:00	Extracted:	10/3/2004 14:40
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 14:40	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 14:40	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 14:40	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 14:40	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 14:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 14:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 14:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 14:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 14:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 14:40	
Ethanol	ND	50	ug/L	1.00	10/03/2004 14:40	
Surrogate(s)						
1,2-Dichloroethane-d4	101.5	76-130	%	1.00	10/03/2004 14:40	
Toluene-d8	99.3	78-115	%	1.00	10/03/2004 14:40	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-09-0763 - 6
Sampled:	09/22/2004 12:55	Extracted:	10/3/2004 15:02
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 15:02	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 15:02	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 15:02	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 15:02	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 15:02	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 15:02	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 15:02	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 15:02	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 15:02	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 15:02	
Ethanol	ND	50	ug/L	1.00	10/03/2004 15:02	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	76-130	%	1.00	10/03/2004 15:02	
Toluene-d8	96.1	78-115	%	1.00	10/03/2004 15:02	

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

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-09-0763 - 7
Sampled:	09/22/2004 12:50	Extracted:	10/3/2004 15:24
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/03/2004 15:24	
Benzene	ND	0.50	ug/L	1.00	10/03/2004 15:24	
Toluene	ND	0.50	ug/L	1.00	10/03/2004 15:24	
Ethylbenzene	ND	0.50	ug/L	1.00	10/03/2004 15:24	
Total xylenes	ND	1.0	ug/L	1.00	10/03/2004 15:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/03/2004 15:24	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/03/2004 15:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/03/2004 15:24	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/03/2004 15:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/03/2004 15:24	
Ethanol	ND	50	ug/L	1.00	10/03/2004 15:24	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	76-130	%	1.00	10/03/2004 15:24	
Toluene-d8	101.9	78-115	%	1.00	10/03/2004 15:24	

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

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

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

Method Blank **Water** **QC Batch # 2004/10/03-1B.64**

MB: 2004/10/03-1B.64-027
Date Extracted: 10/03/2004 10:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/03/2004 10:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/03/2004 10:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/03/2004 10:27	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/03/2004 10:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/03/2004 10:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/03/2004 10:27	
Benzene	ND	0.5	ug/L	10/03/2004 10:27	
Toluene	ND	0.5	ug/L	10/03/2004 10:27	
Ethylbenzene	ND	0.5	ug/L	10/03/2004 10:27	
Total xylenes	ND	1.0	ug/L	10/03/2004 10:27	
Ethanol	ND	50	ug/L	10/03/2004 10:27	
Surrogates(s)					
1,2-Dichloroethane-d4	95.8	76-130	%	10/03/2004 10:27	
Toluene-d8	101.6	78-115	%	10/03/2004 10:27	

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

Cambria Environmental Sonoma
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98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/03-1B.64**

LCS 2004/10/03-1B.64-042 Extracted: 10/03/2004 Analyzed: 10/03/2004 09:42

LCSD 2004/10/03-1B.64-005 Extracted: 10/03/2004 Analyzed: 10/03/2004 10:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.4	24.0	25	101.6	96.0	5.7	65-165	20		
Benzene	21.0	20.1	25	84.0	80.4	4.4	69-129	20		
Toluene	24.8	24.5	25	99.2	98.0	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471	459	500	94.2	91.8		76-130			
Toluene-d8	498	499	500	99.6	99.8		78-115			

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
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Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
270-INF	09/22/2004 13:55	Water	1
270-MID	09/22/2004 13:50	Water	2
270-EFF	09/22/2004 13:45	Water	3
258-INF	09/22/2004 13:05	Water	4
258-MID-1	09/22/2004 13:00	Water	5
258-MID-2	09/22/2004 12:55	Water	6
258-EFF	09/22/2004 12:50	Water	7

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-09-0763 - 1
Sampled:	09/22/2004 13:55	Extracted:	10/4/2004 15:08
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	83	5.0	ug/L	1.00	10/04/2004 15:08	
Acetone	ND	50	ug/L	1.00	10/04/2004 15:08	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 15:08	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 15:08	
Carbon tetrachloride	4.5	0.50	ug/L	1.00	10/04/2004 15:08	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 15:08	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 15:08	

Volatile Organic Compounds by 8260B (Low Level)

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Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-09-0763 - 1
Sampled:	09/22/2004 13:55	Extracted:	10/4/2004 15:08
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 15:08	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 15:08	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 15:08	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:08	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-INF**	Lab ID:	2004-09-0763 - 1
Sampled:	09/22/2004 13:55	Extracted:	10/4/2004 15:08
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 15:08	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 15:08	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 15:08	
Surrogate(s)						
4-Bromofluorobenzene	101.9	79-118	%	1.00	10/04/2004 15:08	
1,2-Dichloroethane-d4	84.3	78-117	%	1.00	10/04/2004 15:08	
Toluene-d8	97.1	77-121	%	1.00	10/04/2004 15:08	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-09-0763 - 2
Sampled:	09/22/2004 13:50	Extracted:	10/4/2004 15:41
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/04/2004 15:41	
Acetone	ND	50	ug/L	1.00	10/04/2004 15:41	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 15:41	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 15:41	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 15:41	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 15:41	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-09-0763 - 2
Sampled:	09/22/2004 13:50	Extracted:	10/4/2004 15:41
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 15:41	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 15:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 15:41	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 15:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	

Volatile Organic Compounds by 8260B (Low Level)

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Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-MID**	Lab ID:	2004-09-0763 - 2
Sampled:	09/22/2004 13:50	Extracted:	10/4/2004 15:41
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 15:41	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 15:41	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 15:41	
Surrogate(s)						
4-Bromofluorobenzene	99.1	79-118	%	1.00	10/04/2004 15:41	
1,2-Dichloroethane-d4	91.2	78-117	%	1.00	10/04/2004 15:41	
Toluene-d8	96.5	77-121	%	1.00	10/04/2004 15:41	

Volatile Organic Compounds by 8260B (Low Level)

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Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-09-0763 - 3
Sampled:	09/22/2004 13:45	Extracted:	10/4/2004 16:14
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/04/2004 16:14	
Acetone	ND	50	ug/L	1.00	10/04/2004 16:14	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 16:14	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 16:14	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 16:14	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 16:14	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-09-0763 - 3
Sampled:	09/22/2004 13:45	Extracted:	10/4/2004 16:14
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 16:14	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 16:14	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 16:14	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:14	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**270-EFF**	Lab ID:	2004-09-0763 - 3
Sampled:	09/22/2004 13:45	Extracted:	10/4/2004 16:14
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 16:14	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 16:14	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 16:14	
Surrogate(s)						
4-Bromofluorobenzene	99.8	79-118	%	1.00	10/04/2004 16:14	
1,2-Dichloroethane-d4	92.5	78-117	%	1.00	10/04/2004 16:14	
Toluene-d8	94.6	77-121	%	1.00	10/04/2004 16:14	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-09-0763 - 4
Sampled:	09/22/2004 13:05	Extracted:	10/4/2004 16:48
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/04/2004 16:48	
Acetone	ND	50	ug/L	1.00	10/04/2004 16:48	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 16:48	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 16:48	
Carbon tetrachloride	2.8	0.50	ug/L	1.00	10/04/2004 16:48	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 16:48	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 16:48	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-09-0763 - 4
Sampled:	09/22/2004 13:05	Extracted:	10/4/2004 16:48
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 16:48	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 16:48	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 16:48	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 16:48	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-INF**	Lab ID:	2004-09-0763 - 4
Sampled:	09/22/2004 13:05	Extracted:	10/4/2004 16:48
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 16:48	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 16:48	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 16:48	
Surrogate(s)						
4-Bromofluorobenzene	98.2	79-118	%	1.00	10/04/2004 16:48	
1,2-Dichloroethane-d4	93.2	78-117	%	1.00	10/04/2004 16:48	
Toluene-d8	96.4	77-121	%	1.00	10/04/2004 16:48	

Volatile Organic Compounds by 8260B (Low Level)

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98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-09-0763 - 5
Sampled:	09/22/2004 13:00	Extracted:	10/4/2004 17:21
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/04/2004 17:21	
Acetone	ND	50	ug/L	1.00	10/04/2004 17:21	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 17:21	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 17:21	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 17:21	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 17:21	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-09-0763 - 5
Sampled:	09/22/2004 13:00	Extracted:	10/4/2004 17:21
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 17:21	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 17:21	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 17:21	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:21	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-1**	Lab ID:	2004-09-0763 - 5
Sampled:	09/22/2004 13:00	Extracted:	10/4/2004 17:21
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 17:21	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 17:21	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 17:21	
Surrogate(s)						
4-Bromofluorobenzene	100.4	79-118	%	1.00	10/04/2004 17:21	
1,2-Dichloroethane-d4	87.5	78-117	%	1.00	10/04/2004 17:21	
Toluene-d8	95.8	77-121	%	1.00	10/04/2004 17:21	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-09-0763 - 6
Sampled:	09/22/2004 12:55	Extracted:	10/4/2004 17:54
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/04/2004 17:54	
Acetone	ND	50	ug/L	1.00	10/04/2004 17:54	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Bromobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Bromochloromethane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Bromoform	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Bromomethane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/04/2004 17:54	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Carbon disulfide	ND	5.0	ug/L	1.00	10/04/2004 17:54	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Chlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Chloroethane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/04/2004 17:54	
Chloroform	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Chloromethane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/04/2004 17:54	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-09-0763 - 6
Sampled:	09/22/2004 12:55	Extracted:	10/4/2004 17:54
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Dibromomethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
2-Hexanone	ND	50	ug/L	1.00	10/04/2004 17:54	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Methylene chloride	ND	5.0	ug/L	1.00	10/04/2004 17:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/04/2004 17:54	
Naphthalene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Styrene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/04/2004 17:54	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	

Volatile Organic Compounds by 8260B (Low Level)

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98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-MID-2**	Lab ID:	2004-09-0763 - 6
Sampled:	09/22/2004 12:55	Extracted:	10/4/2004 17:54
Matrix:	Water	QC Batch#:	2004/10/04-01.60

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Vinyl acetate	ND	25	ug/L	1.00	10/04/2004 17:54	
Vinyl chloride	ND	0.50	ug/L	1.00	10/04/2004 17:54	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 17:54	
Surrogate(s)						
4-Bromofluorobenzene	100.9	79-118	%	1.00	10/04/2004 17:54	
1,2-Dichloroethane-d4	88.3	78-117	%	1.00	10/04/2004 17:54	
Toluene-d8	96.4	77-121	%	1.00	10/04/2004 17:54	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-09-0763 - 7
Sampled:	09/22/2004 12:50	Extracted:	10/5/2004 20:01
Matrix:	Water	QC Batch#:	2004/10/05-02.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	10/05/2004 20:01	
Acetone	ND	50	ug/L	1.00	10/05/2004 20:01	
Benzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Bromodichloromethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Bromobenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Bromochloromethane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Bromoform	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Bromomethane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
2-Butanone(MEK)	ND	50	ug/L	1.00	10/05/2004 20:01	
n-Butylbenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
sec-Butylbenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
tert-Butylbenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Carbon disulfide	ND	5.0	ug/L	1.00	10/05/2004 20:01	
Carbon tetrachloride	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Chlorobenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Chloroethane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	10/05/2004 20:01	
Chloroform	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Chloromethane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
2-Chlorotoluene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
4-Chlorotoluene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Dibromochloromethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	10/05/2004 20:01	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-09-0763 - 7
Sampled:	09/22/2004 12:50	Extracted:	10/5/2004 20:01
Matrix:	Water	QC Batch#:	2004/10/05-02.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dibromoethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Dibromomethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Ethylbenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
2-Hexanone	ND	50	ug/L	1.00	10/05/2004 20:01	
Isopropylbenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Methylene chloride	ND	5.0	ug/L	1.00	10/05/2004 20:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	10/05/2004 20:01	
Naphthalene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
n-Propylbenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Styrene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Tetrachloroethene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Toluene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	10/05/2004 20:01	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
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Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**258-EFF**	Lab ID:	2004-09-0763 - 7
Sampled:	09/22/2004 12:50	Extracted:	10/5/2004 20:01
Matrix:	Water	QC Batch#:	2004/10/05-02.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichloroethene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Vinyl acetate	ND	25	ug/L	1.00	10/05/2004 20:01	
Vinyl chloride	ND	0.50	ug/L	1.00	10/05/2004 20:01	
Total xylenes	ND	1.0	ug/L	1.00	10/05/2004 20:01	
Surrogate(s)						
4-Bromofluorobenzene	113.9	79-118	%	1.00	10/05/2004 20:01	
1,2-Dichloroethane-d4	95.9	78-117	%	1.00	10/05/2004 20:01	
Toluene-d8	105.0	77-121	%	1.00	10/05/2004 20:01	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/04-01.60**

MB: 2004/10/04-01.60-035 — Date Extracted: 10/04/2004 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/04/2004 08:35	
Acetone	ND	50	ug/L	10/04/2004 08:35	
Benzene	ND	0.5	ug/L	10/04/2004 08:35	
Bromodichloromethane	ND	0.5	ug/L	10/04/2004 08:35	
Bromobenzene	ND	1.0	ug/L	10/04/2004 08:35	
Bromochloromethane	ND	1.0	ug/L	10/04/2004 08:35	
Bromoform	ND	0.5	ug/L	10/04/2004 08:35	
Bromomethane	ND	1.0	ug/L	10/04/2004 08:35	
2-Butanone(MEK)	ND	50	ug/L	10/04/2004 08:35	
n-Butylbenzene	ND	1.0	ug/L	10/04/2004 08:35	
sec-Butylbenzene	ND	1.0	ug/L	10/04/2004 08:35	
tert-Butylbenzene	ND	1.0	ug/L	10/04/2004 08:35	
Carbon disulfide	ND	5.0	ug/L	10/04/2004 08:35	
Carbon tetrachloride	ND	0.5	ug/L	10/04/2004 08:35	
Chlorobenzene	ND	0.5	ug/L	10/04/2004 08:35	
Chloroethane	ND	1.0	ug/L	10/04/2004 08:35	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/04/2004 08:35	
Chloroform	ND	1.0	ug/L	10/04/2004 08:35	
Chloromethane	ND	1.0	ug/L	10/04/2004 08:35	
2-Chlorotoluene	ND	0.5	ug/L	10/04/2004 08:35	
4-Chlorotoluene	ND	0.5	ug/L	10/04/2004 08:35	
Dibromochloromethane	ND	0.5	ug/L	10/04/2004 08:35	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/04/2004 08:35	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/04/2004 08:35	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/04/2004 08:35	
1,3-Dichloropropane	ND	1.0	ug/L	10/04/2004 08:35	
2,2-Dichloropropane	ND	0.5	ug/L	10/04/2004 08:35	
1,1-Dichloropropene	ND	0.5	ug/L	10/04/2004 08:35	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/04/2004 08:35	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/04-01.60**

MB: 2004/10/04-01.60-035 — Date Extracted: 10/04/2004 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	10/04/2004 08:35	
Dibromomethane	ND	0.5	ug/L	10/04/2004 08:35	
Dichlorodifluoromethane	ND	0.5	ug/L	10/04/2004 08:35	
1,1-Dichloroethane	ND	0.5	ug/L	10/04/2004 08:35	
1,2-Dichloroethane	ND	0.5	ug/L	10/04/2004 08:35	
1,1-Dichloroethene	ND	0.5	ug/L	10/04/2004 08:35	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/04/2004 08:35	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/04/2004 08:35	
1,2-Dichloropropane	ND	0.5	ug/L	10/04/2004 08:35	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/04/2004 08:35	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/04/2004 08:35	
Ethylbenzene	ND	0.5	ug/L	10/04/2004 08:35	
Hexachlorobutadiene	ND	1.0	ug/L	10/04/2004 08:35	
2-Hexanone	ND	50	ug/L	10/04/2004 08:35	
Isopropylbenzene	ND	0.5	ug/L	10/04/2004 08:35	
p-Isopropyltoluene	ND	1.0	ug/L	10/04/2004 08:35	
Methylene chloride	ND	5.0	ug/L	10/04/2004 08:35	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/04/2004 08:35	
Naphthalene	ND	1.0	ug/L	10/04/2004 08:35	
n-Propylbenzene	ND	1.0	ug/L	10/04/2004 08:35	
Styrene	ND	0.5	ug/L	10/04/2004 08:35	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/04/2004 08:35	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/04/2004 08:35	
Tetrachloroethene	ND	0.5	ug/L	10/04/2004 08:35	
Toluene	ND	0.5	ug/L	10/04/2004 08:35	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/04/2004 08:35	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/04/2004 08:35	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/04/2004 08:35	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/04/2004 08:35	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/04-01.60**

MB: 2004/10/04-01.60-035 — Date Extracted: 10/04/2004 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	10/04/2004 08:35	
Trichlorofluoromethane	ND	1.0	ug/L	10/04/2004 08:35	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/04/2004 08:35	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/04/2004 08:35	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/04/2004 08:35	
Vinyl acetate	ND	25	ug/L	10/04/2004 08:35	
Vinyl chloride	ND	0.5	ug/L	10/04/2004 08:35	
Total xylenes	ND	1.0	ug/L	10/04/2004 08:35	
Surrogates(s)					
4-Bromofluorobenzene	101.8	79-118	%	10/04/2004 08:35	
1,2-Dichloroethane-d4	93.8	78-117	%	10/04/2004 08:35	
Toluene-d8	100.4	77-121	%	10/04/2004 08:35	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/05-02.71**

MB: 2004/10/05-02.71-027 — Date Extracted: 10/05/2004 19:27

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	10/05/2004 19:27	
Acetone	ND	50	ug/L	10/05/2004 19:27	
Benzene	ND	0.5	ug/L	10/05/2004 19:27	
Bromodichloromethane	ND	0.5	ug/L	10/05/2004 19:27	
Bromobenzene	ND	1.0	ug/L	10/05/2004 19:27	
Bromochloromethane	ND	1.0	ug/L	10/05/2004 19:27	
Bromoform	ND	0.5	ug/L	10/05/2004 19:27	
Bromomethane	ND	1.0	ug/L	10/05/2004 19:27	
2-Butanone(MEK)	ND	50	ug/L	10/05/2004 19:27	
n-Butylbenzene	ND	1.0	ug/L	10/05/2004 19:27	
sec-Butylbenzene	ND	1.0	ug/L	10/05/2004 19:27	
tert-Butylbenzene	ND	1.0	ug/L	10/05/2004 19:27	
Carbon disulfide	ND	5.0	ug/L	10/05/2004 19:27	
Carbon tetrachloride	ND	0.5	ug/L	10/05/2004 19:27	
Chlorobenzene	ND	0.5	ug/L	10/05/2004 19:27	
Chloroethane	ND	1.0	ug/L	10/05/2004 19:27	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10/05/2004 19:27	
Chloroform	ND	1.0	ug/L	10/05/2004 19:27	
Chloromethane	ND	1.0	ug/L	10/05/2004 19:27	
2-Chlorotoluene	ND	0.5	ug/L	10/05/2004 19:27	
4-Chlorotoluene	ND	0.5	ug/L	10/05/2004 19:27	
Dibromochloromethane	ND	0.5	ug/L	10/05/2004 19:27	
1,2-Dichlorobenzene	ND	0.5	ug/L	10/05/2004 19:27	
1,3-Dichlorobenzene	ND	0.5	ug/L	10/05/2004 19:27	
1,4-Dichlorobenzene	ND	0.5	ug/L	10/05/2004 19:27	
1,3-Dichloropropane	ND	1.0	ug/L	10/05/2004 19:27	
2,2-Dichloropropane	ND	0.5	ug/L	10/05/2004 19:27	
1,1-Dichloropropene	ND	0.5	ug/L	10/05/2004 19:27	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	10/05/2004 19:27	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/05-02.71**

MB: 2004/10/05-02.71-027 — Date Extracted: 10/05/2004 19:27

Compound	Conc.	RL	Unit	Analyzed	Flag
1,2-Dibromoethane	ND	0.5	ug/L	10/05/2004 19:27	
Dibromomethane	ND	0.5	ug/L	10/05/2004 19:27	
Dichlorodifluoromethane	ND	0.5	ug/L	10/05/2004 19:27	
1,1-Dichloroethane	ND	0.5	ug/L	10/05/2004 19:27	
1,2-Dichloroethane	ND	0.5	ug/L	10/05/2004 19:27	
1,1-Dichloroethene	ND	0.5	ug/L	10/05/2004 19:27	
cis-1,2-Dichloroethene	ND	0.5	ug/L	10/05/2004 19:27	
trans-1,2-Dichloroethene	ND	0.5	ug/L	10/05/2004 19:27	
1,2-Dichloropropane	ND	0.5	ug/L	10/05/2004 19:27	
cis-1,3-Dichloropropene	ND	0.5	ug/L	10/05/2004 19:27	
trans-1,3-Dichloropropene	ND	0.5	ug/L	10/05/2004 19:27	
Ethylbenzene	ND	0.5	ug/L	10/05/2004 19:27	
Hexachlorobutadiene	ND	1.0	ug/L	10/05/2004 19:27	
2-Hexanone	ND	50	ug/L	10/05/2004 19:27	
Isopropylbenzene	ND	0.5	ug/L	10/05/2004 19:27	
p-Isopropyltoluene	ND	1.0	ug/L	10/05/2004 19:27	
Methylene chloride	ND	5.0	ug/L	10/05/2004 19:27	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	10/05/2004 19:27	
Naphthalene	ND	1.0	ug/L	10/05/2004 19:27	
n-Propylbenzene	ND	1.0	ug/L	10/05/2004 19:27	
Styrene	ND	0.5	ug/L	10/05/2004 19:27	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	10/05/2004 19:27	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	10/05/2004 19:27	
Tetrachloroethene	ND	0.5	ug/L	10/05/2004 19:27	
Toluene	ND	0.5	ug/L	10/05/2004 19:27	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	10/05/2004 19:27	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	10/05/2004 19:27	
1,1,1-Trichloroethane	ND	0.5	ug/L	10/05/2004 19:27	
1,1,2-Trichloroethane	ND	0.5	ug/L	10/05/2004 19:27	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
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Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/05-02.71**

MB: 2004/10/05-02.71-027 — Date Extracted: 10/05/2004 19:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichloroethene	ND	0.5	ug/L	10/05/2004 19:27	
Trichlorofluoromethane	ND	1.0	ug/L	10/05/2004 19:27	
Trichlorotrifluoroethane	ND	0.5	ug/L	10/05/2004 19:27	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	10/05/2004 19:27	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	10/05/2004 19:27	
Vinyl acetate	ND	25	ug/L	10/05/2004 19:27	
Vinyl chloride	ND	0.5	ug/L	10/05/2004 19:27	
Total xylenes	ND	1.0	ug/L	10/05/2004 19:27	
Surrogates(s)					
4-Bromofluorobenzene	106.5	79-118	%	10/05/2004 19:27	
1,2-Dichloroethane-d4	93.3	78-117	%	10/05/2004 19:27	
Toluene-d8	105.0	77-121	%	10/05/2004 19:27	

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/04-01.60**

LCS 2004/10/04-01.60-028 Extracted: 10/04/2004 Analyzed: 10/04/2004 07:28

LCSD 2004/10/04-01.60-002 Extracted: 10/04/2004 Analyzed: 10/04/2004 08:02

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	18.5	19.1	20.0	92.5	95.5	3.2	69-129	20		
Chlorobenzene	19.8	20.2	20.0	99.0	101.0	2.0	61-121	20		
1,1-Dichloroethene	18.1	18.0	20.0	90.5	90.0	0.6	65-125	20		
Toluene	18.7	18.4	20.0	93.5	92.0	1.6	70-130	20		
Trichloroethene	17.9	18.5	20.0	89.5	92.5	3.3	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	509	518	500	101.8	103.6		79-118			
1,2-Dichloroethane-d4	432	465	500	86.4	93.0		78-117			
Toluene-d8	499	503	500	99.8	100.6		77-121			

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma

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Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/04-01.60**

LCS 2004/10/04-01.60-055 Extracted: 10/04/2004 Analyzed: 10/04/2004 07:28
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	18.5		20.0	92.5			69-129	20		
Chlorobenzene	19.8		20.0	99.0			61-121	20		
1,1-Dichloroethene	18.1		20.0	90.5			65-125	20		
Toluene	18.7		20.0	93.5			70-130	20		
Trichloroethene	17.9		20.0	89.5			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	509		500	101.8			79-118	0		
1,2-Dichloroethane-d4	432		500	86.4			78-117	0		
Toluene-d8	499		500	99.8			77-121	0		

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/05-02.71**

LCS 2004/10/05-02.71-020 Extracted: 10/05/2004 Analyzed: 10/05/2004 18:20
LCSD 2004/10/05-02.71-054 Extracted: 10/05/2004 Analyzed: 10/05/2004 18:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	18.3	18.0	20.0	91.5	90.0	1.7	69-129	20		
Chlorobenzene	18.7	19.2	20.0	93.5	96.0	2.6	61-121	20		
1,1-Dichloroethene	16.9	17.1	20.0	84.5	85.5	1.2	65-125	20		
Toluene	18.2	19.0	20.0	91.0	95.0	4.3	70-130	20		
Trichloroethene	16.6	17.0	20.0	83.0	85.0	2.4	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	525	542	500	105.0	108.4		79-118			
1,2-Dichloroethane-d4	481	470	500	96.2	94.0		78-117			
Toluene-d8	527	527	500	105.4	105.4		77-121			

Volatile Organic Compounds by 8260B (Low Level)

Cambria Environmental Sonoma
Attn.: Tom Magney

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 933-2366 Fax: (707) 935-6649

Project: 246-0173
98996613

Received: 09/24/2004 09:30

Site: 255 Dutton Avenue, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/10/05-02.71**

258-EFF >> MS

Lab ID: 2004-09-0763 - 007

MS: 2004/10/05-02.71-034 Extracted: 10/05/2004 Analyzed: 10/05/2004 20:34
Dilution: 1.00

MSD: 2004/10/05-02.71-007 Extracted: 10/05/2004 Analyzed: 10/05/2004 21:07
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	17.2	17.6	ND	20.0	86.0	88.0	2.3	69-129	20		
Chlorobenzene	17.7	18.8	ND	20.0	88.5	94.0	6.0	61-121	20		
1,1-Dichloroethene	15.9	16.8	ND	20.0	79.5	84.0	5.5	65-125	20		
Toluene	17.0	18.5	ND	20.0	85.0	92.5	8.5	70-130	20		
Trichloroethene	15.9	16.7	ND	20.0	79.5	83.5	4.9	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	550	547		500	109.9	109.4		79-118			
1,2-Dichloroethane-d4	473	471		500	94.6	94.2		78-117			
Toluene-d8	528	541		500	105.6	108.3		77-121			

San Francisco

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

SHE[illegible] Chain Of Custody Record

89175

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Denis Brown
707-865-0251
2004-09-0763

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 6 1 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/22/04

PAGE 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.
LOG CODE: CETS
ADDRESS: 270 Perkins Street, Sonoma, CA 95476
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Magney
TELEPHONE: 707-933-2366
FAX: 707-935-6649
E-MAIL: tmagney@cambria-env.com

SITE ADDRESS (Street and City): 255 Dutton Avenue, Santa Rosa
GLOBAL ID NO.: T0609700053
EDF DELIVERABLE TO (Responsible Party or Designee): Tom Magney
PHONE NO.: 707-935-4850
E-MAIL: sonomaedf@cambria-env.com
CONSULTANT PROJECT NO.: 246-0173
SAMPLER NAME(S) (Print): MARK JOHNSON
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 ☐

Flowmeter @270 = 108585
Flowmeter @258 = 64865

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	270-INF	9/22/04	1:55	Water	7	X		X	X		X		X		X						VOAs w/HCl
	270-MID		1:50	Water	7	X		X	X		X		X		X						VOAs w/HCl
	270-EFF		145	Water	7	X		X	X		X		X		X						VOAs w/HCl
	258-INF		1:05	Water	7	X		X	X		X		X		X						VOAs w/HCl
	258-MID-1		1:00	Water	7	X		X	X		X		X		X						VOAs w/HCl
	258-MID-2		12:55	Water	7	X		X	X		X		X		X						VOAs w/HCl
	258-EFF		12:50	Water	7	X		X	X		X		X		X						VOAs w/HCl

TEMPERATURE ON RECEIPT C°: 2

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Mark Johnson	[signature]	09-24-04	0930
[signature]	Doug Mullen	9-24-04	1645

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

Q&Q Graphic (714) 868-9702

10/16/00 Shell Revision
2/11/04 Cambria Revision