RO-156

Shell Oil Products US

November 3, 2003

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

Subject: **Shell-branded Service Station**
1285 Bancroft Avenue
San Leandro, California

Dear Ms. chu:

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

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

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

P.O. Box 7869 Burbank, CA 91510-7869 Phone (559) 645-9306 Facsimile (559) 645-5643

RO-156

CAMBRIA

November 3, 2003

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Soil and Water Investigation Report, Work Plan and Site Conceptual Model**
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #: 98996067
Project #: 245-0504-007

Dear Ms. chu:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Soil and Water Investigation Report, Work Plan and Site Conceptual Model* (SWI) on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The SWI was conducted in accordance with Cambria's October 15, 2002 *Subsurface Investigation Work Plan* and our April 4, 2003 *Subsurface Investigation Work Plan Amendment* and our June 2, 2003 *Subsurface Investigation Work Plan Amendment 2,* which was requested in a letter from the Alameda County Health Care Services Agency (ACHCSA) dated May 14, 2003 and approved by Ms. eva chu of the ACHCSA in an electronic letter dated June 6, 2003.

The objectives of this investigation were to define the lateral and vertical extent of methyl tertiary butyl ether (MTBE) in groundwater and to provide for ongoing groundwater monitoring downgradient of the site (Figure 1). In the original work plan, Cambria proposed to install two downgradient monitoring wells to achieve these objectives. As requested in the May 14, 2003 ACHCSA letter and discussed in a May 15, 2003 telephone conversation between eva chu of ACHCSA and Melody Munz of Cambria, Cambria instead advanced a total of two on-site and four off-site soil borings. Cambria had proposed to advance three on-site borings and five off-site borings; however, access to one of the proposed off-site locations (SB-5) was not feasible, and one on-site location (SB-8) was unsuccessfully attempted because subsurface conditions adjacent to the underground storage tank (UST) complex were impenetrable. Cambria utilized results of this investigation to determine proposed locations, depths and screen intervals for three new monitoring wells. Investigation results have also been used to update the site conceptual model (SCM) which is included with this report.

Cambria Environmental Technology, Inc.

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SITE BACKGROUND

Site Location: The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California (Figures 1 and 2). There are three UST's on site, two dispenser islands, and one station building with three automobile service bays.

Surrounding Land Use: The area surrounding the site is primarily residential.

Local Topography: The site is approximately 65 feet above mean sea level and slopes very gently to the west, towards San Francisco Bay. San Leandro Creek is located approximately 500 feet northwest of the site.

Local Geology: Sediments beneath the site are Quaternary alluvial deposits derived from sedimentary and igneous rocks of the Diablo Range. The site is intersected by the Hayward Fault Zone. The site is underlain by low estimated permeability sediments (clay) with interspersed moderate estimated permeability sediments. During recent investigations at the site, soil consisted of silty clay, clayey silts and clayey sandy silt interlayed with sands and gravels to the total explored depth of 52 feet below grade (fbg).

Groundwater: Groundwater beneath the site typically flows in a westerly direction with seasonal variations both to the southwest and northwest. Depth to water beneath the site has historically ranged between 32 and 38 fbg.

Previous Investigations

Waste-Oil Tank Removal November 1986: In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (BTS) of San Jose, California collected soil samples beneath the former tank location at 9 fbg. The soil samples contained 83 parts per million (ppm) petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, BTS collected another soil sample at 9.5 fbg, which contained 89 ppm TOG. No groundwater was encountered in the tank pit.

Well Installation March 1990: In March 1990, Weiss Associates (WA) installed groundwater monitoring well MW-1 adjacent to the waste-oil tank. No petroleum constituents were detected in soil samples analyzed from boring MW-1. The maximum total petroleum hydrocarbons as gasoline (TPHg) concentration in groundwater from well MW-1 was 510 parts per billion (ppb).

Subsurface Investigation February 1992: In February 1992, WA advanced two soil borings upgradient and downgradient of the existing USTs and converted them into monitoring wells

MW-2 and MW-3, respectively. A maximum TPHg concentration of 8,800 ppm was detected in boring BH-B, which was converted into monitoring well MW-2. No benzene was detected in this investigation.

Well Survey: WA included a ½-mile radius well survey with the report of the February 1992 subsurface investigation. A total of 21 wells were identified within ½ mile of the site. One domestic supply well was identified approximately ½ mile northeast (crossgradient) of the site. One domestic or irrigation supply well was also identified within 500 feet west (cross- and downgradient) and another within 500 feet east (cross- and upgradient) of the site.

Dispenser Replacement Sampling October 1995: In October 1995, WA collected soil samples from beneath the former dispensers. A maximum TPHg concentration of 130 ppm was detected in soil sample D-2A located 2 fbg beneath the northern dispenser-island. A maximum benzene concentration of 0.31 ppm was detected in soil sample L-1, located 2 fbg beneath the product piping lines on the south end of the site.

Well Installation May 1999: Cambria advanced four borings and converted them into groundwater monitoring wells MW-5, MW-6, MW-7, and MW-8. Soil samples collected from boring MW-5 contained maximum concentrations in soil of 10.5 ppm TPHg at 40.5 fbg, 0.0475 ppm benzene at 35.5 fbg, and 2.25 ppm MTBE at 35.5 fbg.

Site Investigation and Risk Based Corrective Action (RBCA) Evaluation June 2000: At the request of ACHCSA, Cambria collected *in-situ* vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to off-site receptors posed by hydrocarbons originating from the site. ASTM Designation E-1739-95 guidelines for petroleum release sites were used to perform this evaluation. Six soil borings were drilled and soil and soil vapor samples were collected. This evaluation showed that calculated excess cancer risk posed by the site was below the target risk level of 1×10^{-6}, and that the off-site conditions at the time did not pose a significant risk to off-site occupants directly adjacent to the site.

Enhanced UST Testing April 2002: On April 2 and 3, 2002, Shell voluntarily conducted enhanced testing on the USTs at this site. Enhanced testing includes a VacuTect Tank Test of tanks under vacuum condition. When the VacuTect test indicated a problem with the plus tank, the product was immediately transferred out of tank for investigation which included tank entry for visual inspections and further tank tests. No visible cracks were found, but additional layers of fiberglass were added to suspected problem areas. A passing VacuTect test was conducted. Cambria's October 15, 2002 *Subsurface Investigation Work Plan* indicated that the crack was detected in the secondary containment of the tank, but the tank is actually a single-wall vessel and, as previously mentioned, no crack was detected. A problem with the tank was only found during the VacuTect test, which does not necessarily indicate a leak condition.

INVESTIGATION PROCEDURES

Cambria supervised the installation of two on-site and four off-site 2¼-inch diameter soil borings (Figure 2). One soil boring (SB-1) was installed on Estudillo Avenue approximately 150 feet southwest of the site. Three borings (SB-2, SB-3, and SB-4) were installed in the courtyard of the adjacent apartment building downgradient from the site. The two on-site borings were advanced adjacent to the eastern dispenser island (SB-6), and southwest of the UST complex near the former dispenser island location (SB-7). Proposed boring location SB-5 was inaccessible due to the presence of parking garages and limited access for the drill rig. Cambria was unable to advance proposed soil boring SB-8 because subsurface conditions adjacent to the UST complex were impenetrable. Gregg Drilling Inc. (Gregg) of Martinez California installed the soil borings using a direct push drill rig with the exception of SB-1, which was continuously sampled using 4-inch diameter augers. Cambria's Standard Procedures for Geoprobe® soil sampling are included as Attachment A

Permits:	Cambria obtained a soil boring installation permit from the Alameda County Public Works Agency for all eight soil borings (Permit # W03-0670). As required by the City of San Leandro, Cambria also obtained an encroachment permit from the City in order to Geoprobe® in the public right-of-way. Copies of the soil boring and encroachment permits are included as Attachment B.
Soil Sampling Dates:	August 4-7, 2003
Geoprobe® Company:	Gregg (C-57 License #485165)
Personnel Present:	Stewart Dalie, Staff Geologist, Cambria Rich Nessinger, Driller, Gregg
Number of Borings:	Six: SB-1, SB-2, SB-3, SB-4, SB-6, and SB-7.
Boring Method:	SB-2, SB-3, SB-4, SB6, SB-7: 2¼-inch diameter direct push, Geoprobe®. SB-1: continuously sampled through 4-inch augers.
Boring Depths:	All soil borings were advanced approximately 10 to 15 fbg into the saturated zone to total depths between 48 and 52.5 fbg (Attachment C).

Soil and Grab Groundwater Sampling Method: Soil samples were collected continuously using a direct push drill rig with acetate liners for all borings except SB-1. Soil samples were collected from boring SB-1 using split-spoon sampler with 2-inch brass tubes. One soil sample was obtained at the capillary fringe and at every five feet to a total depth of approximately 15 feet into the saturated zone using the direct push drill rig. Additional samples were collected based on field observations including lithologic changes, odor or staining. One grab groundwater sample was collected using a Teflon disposable bailer.

Sediment Lithology: Soil encountered in the borings consisted predominantly of silt, clayey silts and silty gravel with sand and gravels interlayered with silts and poorly graded gravels and sands to the total explored depth of 52.5 fbg (Attachment C).

Groundwater Depths: First-encountered groundwater and static groundwater levels were measured at approximately 37 fbg in all the boring locations during drilling activities. Static groundwater depths in the soil borings may not be indicative of true groundwater conditions as the depth to water was measured very shortly after initial intrusion into the aquifer, and hydrostatic pressures or smearing of the borehole may not have allowed adequate time for groundwater to equilibrate.

Chemical Analyses: Selected soil and grab groundwater samples collected from the borings were analyzed by a State-certified laboratory for TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE using EPA Method 8260B. Grab groundwater samples collected from the borings were additionally analyzed for fuel oxygenates tert-butyl alcohol, ethyl tert-butyl ether, tert-amyl methyl ether, di-isopropyl ether, 1,2-dichloroethane, ethylene dibromide, and ethanol using EPA Method 8260B. Analytical results from the stockpile were composited and analyzed for TPHg, BTEX and MTBE using EPA Method 8260B, and for total threshold limit concentration lead. All samples were analyzed by Severn Trent Laboratories Inc. of Pleasanton, California

Stockpile Soil Sampling And Disposal: Soil cuttings produced from the borings were wrapped in plastic sheeting, labeled and temporarily stockpiled on the site. Soil cuttings produced from the borings were transported on August 25, 2003 by Manley and Sons Trucking Company of Sacramento, California to Forward Landfill in Manteca, California for disposal (Attachment D).

INVESTIGATION RESULTS

Chemical Distribution in Soil: MTBE, TPHg, and benzene were detected in soil samples collected during the current investigation. MTBE was detected in soil samples SB-2-45', SB-2-50', SB-6-35', SB-6-40', SB-6-45', SB-7-30' and SB-7-35' at concentrations of 0.088. 0.050, 0.0087, 0.036, 0.0063, 0.065, and 0.25 ppm, respectively. TPHg was detected only in two soil samples (SB-6-40' and SB-7-35') at concentrations of 5.5 and 2.2 ppm, respectively. Benzene was detected only in soil sample SB-7-35' at 0.0076 ppm. Since groundwater was encountered at approximately 37 fbg during the current investigation, the hydrocarbon- and/or MTBE-impacted samples were saturated or within the capillary fringe, suggesting that the results may be more indicative of chemical concentrations in groundwater. This observation is consistent with results of previous investigations. With the exception of soil samples collected during the installation of monitoring well MW-2 in 1992, chemical concentrations in unsaturated soil samples have been very low to non-detectable.

Analytical results for the soil samples collected during this and previous investigations are summarized in Table 1. The certified analytical laboratory reports for this investigation are included as Attachment E.

Chemical Distribution in Groundwater: During the current investigation, MTBE, TPHg, and benzene were detected in four of the six grab groundwater samples. MTBE was detected in grab groundwater samples SB-2-W, SB-3-W, SB-6-W, and SB-7-W at concentrations of 2,000, 3.5, 58, and 6,000 ppb, respectively. TPHg was detected in three boring locations (SB-3-W, SB-6-W, and SB-7-W) at concentrations of 63, 3,800, and 1,200,000 ppb, respectively. Benzene was detected in two boring locations (SB-6-W and SB-7-W) at concentrations of 5.1 and 7,800 ppb, respectively.

Based on the results of the current investigation and quarterly monitoring data, MTBE in groundwater is primarily on site; however, the MTBE plume is not defined off site. The highest chemical concentrations in groundwater detected in the current investigation were in on-site

boring SB-7, located near the former dispensers that were removed in 1995. This result is consistent with quarterly monitoring results that indicate the highest concentrations in well MW-5, located southwest of the USTs. Off site, chemical concentrations in grab groundwater samples were typically low to non-detectable with the exception of groundwater from boring SB-2, which contained 2,000 ppb MTBE. Saturated soil samples SB-2-45' and SB-2-50' contained detectable concentrations of MTBE while all shallower soil samples did not contain detectable MTBE, suggesting that the MTBE plume may be submerged at or below 45 fbg in this area. Although the hydrocarbon concentrations decrease to non-detectable concentrations to the northwest (MW-7), southeast (MW-8) and southwest (SB-2, SB-3, SB-4) of the site, MTBE has been detected in groundwater in all of these locations except SB-4. Low concentrations of hydrocarbons and MTBE have been detected in groundwater from the northernmost, crossgradient soil boring (SB-6) and the easternmost, upgradient, monitoring well (MW-2). Benzene concentrations in soil and groundwater appear to be defined in all directions except to the north and east of the site where no investigation has been conducted to date.

Benzene and MTBE concentrations in groundwater during the current investigation and during the July 1, 2003 quarterly groundwater monitoring event are shown on Figure 3. Certified analytical laboratory reports for the current investigation are included as Attachment E.

SCM

As requested, Cambria has prepared an SCM that summarizes current state of the site characterization, exposure pathways, potential receptors and preferential pathways related to the site. The SCM is included as Attachment F.

As noted in the SCM, one potential receptor in the site vicinity is irrigation well 2S/3W-25L1, located approximately 150 feet west of the site at 566 Estudillo Avenue. This well was added to the site's quarterly monitoring and sampling program in the second quarter of 1999. The Department of Water Resources well log for this well indicates that it is installed to a depth of 88 fbg; however, no additional well construction details are given. It is believed that the well is not used for drinking water purposes. No TPHg, BTEX or MTBE was detected in this well until the third quarter of 2003, when 0.64 ppb MTBE were detected. To further investigate the extent of MTBE in groundwater in the direction of this well, Cambria proposes to install one shallow well to evaluate groundwater between the site and the irrigation well. Details are provided below. Other known potential receptor wells in the site vicinity are located either upgradient or at distances such that the risk of impact by chemicals originating from the site is low.

As noted in Cambria's April 14, 2003 *Agency Response*, the depth to groundwater at the site currently ranges from approximately 33 to 37 fbg, and the shallowest recorded depth to water was 23.2 fbg in July 1999. Utilities are not typically buried at such a depth and therefore it is highly unlikely that utility trenches within and near the site and plume areas could be serving as preferential pathways for chemical migration in groundwater. Therefore, Cambria recommends no further investigation of subsurface utilities.

CONCLUSIONS

Soil sample results from the current investigation indicate that neither hydrocarbons nor MTBE have impacted unsaturated soil at or in the vicinity of the site. However, hydrocarbons and MTBE have impacted groundwater.

The hydrocarbon plume in groundwater appears to be concentrated southwest of the UST complex near the former dispenser island location southeast of well MW-5. The proportions of TPHg and BTEX concentrations suggest weathered gasoline and that no new liquid fuel release has occurred at the site. In the areas where the hydrocarbon plume is defined, attenuation of TPHg and benzene concentrations with distance is observed.

MTBE concentrations observed in this investigation and in quarterly monitoring data indicate that although the MTBE in groundwater plume is primarily on site, it is not defined off site.

RECOMMENDATIONS AND WORK PLAN

To further define and monitor the extent of the MTBE plume in groundwater, Cambria recommends installing one on-site and three off-site monitoring wells as shown in Figure 2.

- On-site well MW-9 will be installed near the edge of the site and the former dispenser islands, approximately 30 feet south of existing well MW-5. MW-9 will be screened from approximately 35 to 50 fbg to intercept the groundwater table as well as the well-graded gravel layer observed in nearby boring SB-7 at 45 to 50 fbg.
- Off-site well MW-10 will be installed approximately 140 feet south-southwest of MW-5. The screen interval will be determined based on field observations during boring; however, if lithology is similar to that encountered in MW-8, the well will be screened from approximately 30 to 40 fbg, in the saturated sandy-gravelly lens that is expected to be encountered at that depth.

- Off-site well MW-11 will be installed in the street near soil boring SB-1 to monitor the downgradient boundary of the MTBE plume. MW-11 will be screened from approximately 35 to 45 fbg, across the saturated gravelly layers encountered at that depth in SB-1.
- Off-site well MW-12 will be installed approximately 25 feet southeast of the irrigation well downgradient of the site. The well will be installed using a limited access drill rig and will be screened from approximately 35 to 45 fbg, across the most permeable material observed during installation.
- Cambria will investigate the construction of the off-site irrigation well using video inspection.

Since no investigation has been conducted to the north, to the east and to the northwest of the site, Cambria also recommends installing four soil borings to provide further plume definition in these directions and to improve the SCM. Soil borings will be advanced to the depth of groundwater, and soil samples will be collected at 5-foot intervals for lithologic logging. Cambria will collect and submit for analysis a grab groundwater sample from each boring and soil samples selected on the basis of field observations including PID screening, odor, staining and significant changes in lithology. The proposed boring locations are shown in Figure 2.

- Off-site boring SB-9 will be installed north-northwest of the site in the unpaved vacant lot adjacent to the site.
- On-site boring SB-10 will be installed on site, approximately 25 feet east of SB-6.
- On-site boring SB-11 will be installed approximately 25 feet southeast of MW-2.
- Off-site boring SB-12 will be installed in the grass courtyard of the property at 566 Estudillo Avenue, northwest of the site.

SCHEDULE

Upon receipt of written approval from ACHCSA to proceed with installing the proposed monitoring wells (MW-9 through MW-12) and soil borings (SB-9 through SB-12), Cambria will submit permit applications, obtain access agreements and encroachment permits, and schedule the field work.

CLOSING

Please call Melody Munz at (510) 420-3324, if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Melody Munz
Project Engineer

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

Figures:
1 - Vicinity/Area Well Survey Map
2 - Site Plan
3 - Groundwater Elevation Contour Map

Tables:
1 - Soil Analytical Results
2 - Groundwater Analytical Results

Attachments:
A - Standard Procedures for Geoprobe® Soil Sampling
B - Permits
C - Boring Logs
D - Soil Disposal Confirmation Report
E - Certified Laboratory Analytical Reports
F - Site Conceptual Model

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA. 91510-7869
Victor Lemon, City of San Leandro, Engineering and Transportation Division, 835 East 14th Street, San Leandro, CA. 94577
City of San Leandro, Environmental Division, 835 East 14th Street, San Leandro, CA. 94577
Ivan G. and Joanne Cornelius, 198 Juana Avenue, San Leandro CA 94577

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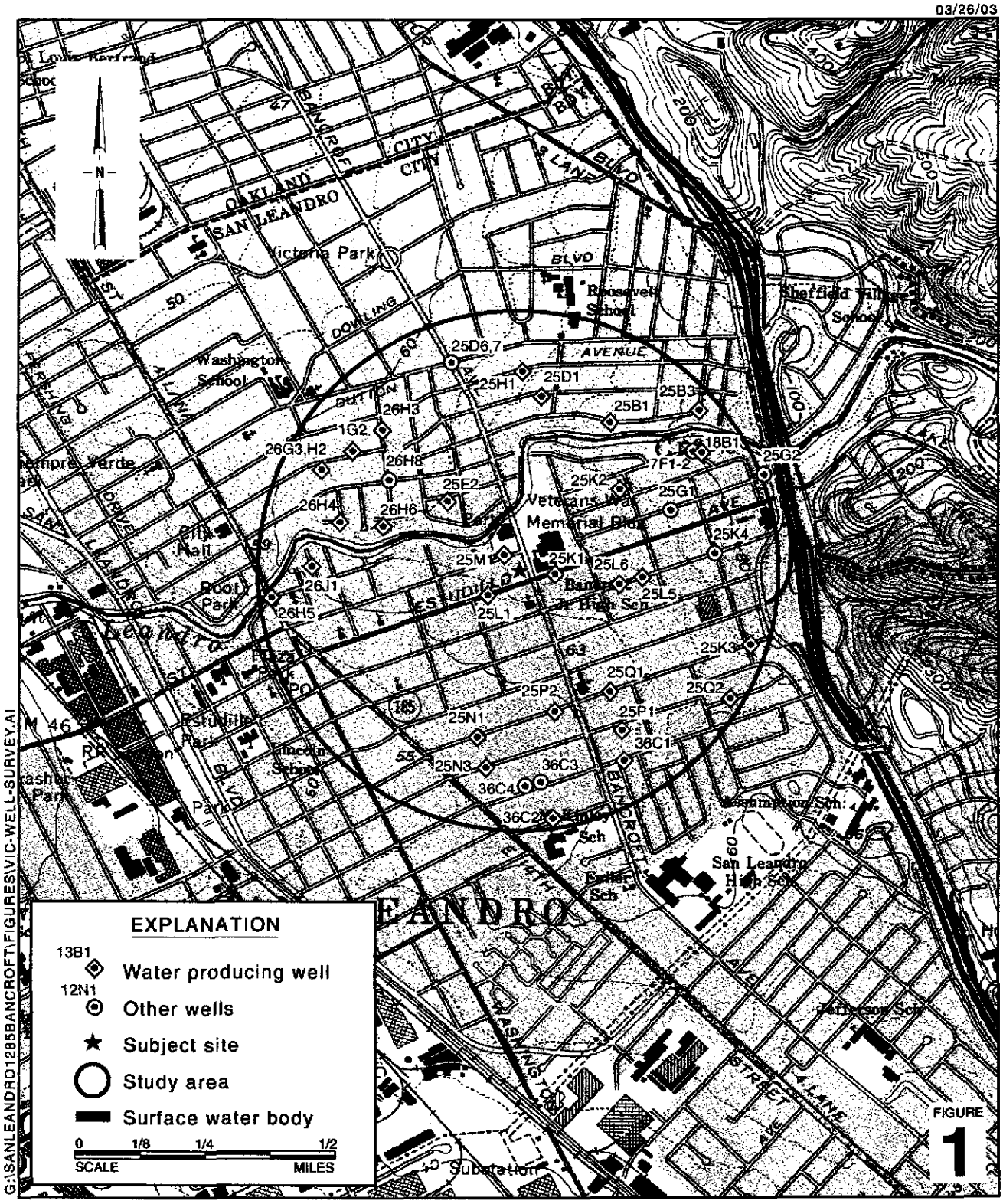
03/26/03



Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

CAMBRIA

Vicinity / Area Well Survey Map
(1/2-Mile Radius)

11/03/03

EXPLANATION

- MW-9 — Proposed monitoring well location
- SB-9 — Proposed soil boring location
- MW-1 — Monitoring well location
- Irrigation well location
- SB-4 — Soil boring location
- SB-5 — Attempted soil boring location
- B-1 — Soil vapor survey location (6/00)
- BH-D — Soil boring location (WA, 1994)

0 25 50 100

Scale (ft)

Groundwater Flow Direction
(4Q93 through 3Q03)

ESTUDILLO AVENUE

BANCROFT AVENUE

Nearest Sensitive Receptors
Relative to Site

Domestic Well
(25K1, 150')

Irrigation Well
(25M1, 150')

Domestic Well
(25L1, 200')

City of San Leandro
Municipal Park

San Leandro Creek

centerline

CALLAN AVENUE

SB-10 planter BH-E SB-11 planter

MW-2 BH-D

SB-6

6 8 5 7 dispensers 2 4 kiosk 1 3 canopy

USTs

former dispenser island (removed 1995)

MW-3 SB-8 MW-5 SB-7 canopy MW-9

unpaved vacant lot
1205 Bancroft

SB-9

1247 Bancroft

planter

Shell Station
1285 Bancroft

Waste Oil UST

MW-4 MW-1 MW-6 planter planter

driveway MW-7 B-6 B-5 B-4 driveway B-3

parking

apts.
599 Callan

apts.
572 Estudillo

MW-8

MW-10

SB-4 SB-3 SB-2

grass courtyard

apts.
597 Callan

SB-12

grass courtyard

apts.
566 Estudillo

grass courtyard

MW-12

apts.
595 Callan

parking SB-5

apts.
560 Estudillo

MW-11 SB-1

driveway Irrigation well B-1 B-2 driveway

G:\SANLEANDRO\1285BANCROFT\FIGURES\SITEPLAN-10-03.DWG

CAMBRIA

FIGURE
2

Site Plan

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

11/03/03

EXPLANATION

- MW-9 — Proposed monitoring well location
- SB-9 — Proposed soil boring location
- MW-1 — Monitoring well location
- Irr. Well — Irrigation well location
- SB-4 — Soil boring location
- SB-5 — Attempted soil boring location
- B-1 — Soil vapor survey location (6/00)
- BH-D — Soil boring location (WA, 1994)
- * — Data anomalous, not used for contouring
- → — Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

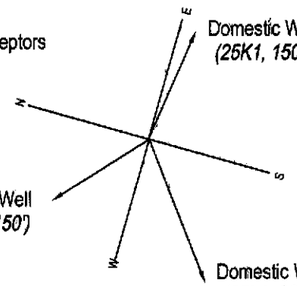
Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260. (07/01/03)

Boring
Benzene
MTBE

- Boring designation
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260. (08/03)

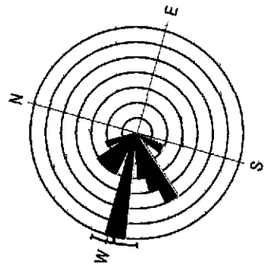
Nearest Sensitive Receptors Relative to Site



Domestic Well (25K1, 150')

Irrigation Well (25M1, 150')

Domestic Well (25L1, 200')



Groundwater Flow Direction
(4Q93 through 3Q03)

ESTUDILLO AVENUE

BANCROFT AVENUE

unpaved vacant lot
1205 Bancroft

1247 Bancroft

SB-9

SB-10

planter

BH-E

MW-2
31.20
34
3.3

SB-11

planter

SB-7
7,800
6,000

SB-6
5.1
58

MW-3
31.23*
19
250

BH-D

31.15

31.10

31.05

dispensers

kiosk

canopy

USTs

former dispenser island (removed 1995)

MW-5
31.13
970
2,900

SB-8

MW-8
31.04
<2.5
430

MW-4
31.03*
<0.50
84

MW-9

Waste Oil UST

Shell Station
1285 Bancroft

MW-1
31.14*
<0.50
4.1

planter

planter

planter

driveway

driveway

B-5

B-4

B-3

B-6

MW-7
31.05
<0.50
0.77

MW-6
30.33*
88
1,900

apts.
599 Callan

parking

apts.
572 Estudillo

MW-10

CALLAN AVENUE

grass courtyard

apts.
597 Callan

SB-12

grass courtyard

apts.
566 Estudillo

SB-4
<0.50
<0.50

SB-3
<0.50
3.5

SB-2
<50
2,000

grass courtyard

MW-12

MW-11

apts.
595 Callan

parking

SB-5

apts.
560 Estudillo

driveway

Irr. Well
NS
<0.50
0.64

B-1

B-2

driveway

SB-1
<0.50
<0.50

City of San Leandro
Municipal Park

San Leandro Creek

centerline

0 25 50 100
Scale (ft)

G:\SANLEANDRO\1285BANCROFT\FIGURES\WELLS-BORS-3QM03.DWG

Groundwater Elevation Contour Map

July 1, 2003

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FIGURE
3

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
SB-1-31'	08/04/03	31	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-33'	08/04/03	33	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-35'	08/04/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-40'	08/04/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-45'	08/04/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-47.5'	08/04/03	47.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-32'	08/05/03	32	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-45'	08/05/03	45	<1.0	---	<0.0050	**0.012**	<0.0050	**0.023**	---	**0.088**	---
SB-2-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.050**	---
SB-3-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-45'	08/05/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-5[c]	08/05/03	---	---	---	---	---	---	---	---	---	---
SB-6-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-35'	08/07/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0087**	---
SB-6-37'	08/07/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
SB-6-40'	08/07/03	40	**5.5**	---	<0.0050	<0.0050	**0.022**	<0.0050	---	**0.036**	---
SB-6-45'	08/07/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0063**	---
SB-6-50'	08/07/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-10'	08/07/03	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.065**	---
SB-7-35'	08/07/03	35	**2.2**	---	**0.0076**	<0.0050	**0.014**	**0.017**	---	**0.25**	---
SB-7-51.5'	08/07/03	51.5	<1.0	---	<0.0050	<0.0050	<0.0050	**0.016**	---	<0.0050	---
SB-8[c]	08/05/03	---	---	---	---	---	---	---	---	---	---
B-1-6.5	06/26/00	6.5	**5.33**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00820**	<0.0500	---	---
B-1-17.5	06/26/00	17.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-20.5	06/26/00	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-25.0	06/26/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-35.5	06/26/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-2-6.0	06/26/00	6.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00960**	<0.00500	---	---
B-2-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00970**	<0.00500	---	---
B-2-15.0	06/26/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-21.0	06/26/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00890**	<0.00500	---	---
B-2-25.5	06/26/00	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-5.0	06/27/00	5.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-25.0	06/27/00	25.0	<1.00	---	<0.00500	**0.00730**	<0.00500	<0.00500	<0.00500	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
B-3-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-34.5	06/27/00	34.5	**3.03**	---	**0.0520**	**0.0228**	**0.0523**	**0.0333**	**0.436**	**0.120**	---
B-4-7.0	06/27/00	7.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-20.0	06/27/00	20.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-35.0	06/27/00	35.0	<1.00	---	**0.0422**	<0.00500	**0.0152**	<0.00500	**0.162**	**0.243**	---
B-5-7.0	06/27/00	7.0	<1.00	---	<0.00500	**0.00750**	<0.00500	<0.00500	<0.00500	---	---
B-5-10.5	06/27/00	10.5	**21.5**	---	<0.00500	**0.430**	<0.00500	<0.00500	<0.00500	---	---
B-5-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-34.5	06/27/00	34.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	**0.135**	**0.0425**	---
B-5-38.5	06/27/00	38.5	**2.82**	---	**0.0398**	**0.0142**	**0.0744**	**0.299**	**0.251**	**0.0536**	---
B-6-6.5	06/27/00	6.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-10.5	06/27/00	10.5	**3.92**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-16.5	06/27/00	16.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-20.5	06/27/00	20.5	<1.00	---	<0.00500	**0.00950**	<0.00500	**0.00700**	<0.00500	---	---
B-6-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-35.5	06/27/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
MW-5 (5.5)	05/18/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (10.5)	05/18/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (15.5)	05/18/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (20.5)	05/18/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (30.5)	05/18/98	30.5	<1.0	---	**1.08**	<0.0050	<0.0050	<0.0050	<0.050	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
MW-5 (35.5)	05/18/98	35.5	**1.91**	---	**0.0475**	**<0.0050**	**0.0172**	**0.0159**	**4.68**	**2.25**	---
MW-5 (40.5)	05/18/98	40.5	**10.5**	---	**0.0279**	**0.486**	**0.179**	**1.02**	**0.093**	---	---
MW-5 (45.5)	05/18/98	45.5	**6.67**	---	**0.0264**	**0.0346**	**0.0298**	**77**	<0.050	---	---
MW-6 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (35.5)	05/17/98	35.5	**273**	---	**1.12**	**1.31**	**3.1**	**14.2**	**2.58**	**2.58**	---
MW-6 (40.5)	05/17/98	40.5	**96.1**	---	**0.665**	**1.07**	**1.25**	**5.51**	**1.31**	---	---
MW-6 (45.5)	05/17/98	45.5	**1.83**	---	**0.0151**	**0.0173**	**0.0141**	**0.0875**	**1.47**	---	---
MW-7 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (35.5)	05/17/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (40.5)	05/17/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (45.5)	05/17/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (5.5)	05/19/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (10.5)	05/19/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (15.5)	05/19/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (20.5)	05/19/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (25.5)	05/19/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (30.5)	05/19/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (35.5)	05/19/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (40.5)	05/19/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.212**	**0.210**	---
MW-8 (45.5)	05/19/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.0532**	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
BH-D	2/15/1994	25.8	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-D	2/15/1994	27.3	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	27.0	<1	<1	**0.0075**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	28.8	<1	<1	**0.015**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	15.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	20.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	25.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	30.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	35.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	40.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	45.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	50.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	55.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-B (MW-2)	2/6/1992	27.5	**1,500**	**1,000**[a]	<0.25	<0.25	**0.82**	**6.9**	---	---	<0.002
BH-B (MW-2)	2/6/1992	31.5	**12**	---	<0.0025	<0.0025	**0.0090**	**0.058**	---	---	---
BH-B (MW-2)	2/6/1992	36.5	**71**	**16**[a]	<0.025	<0.025	**0.056**	**0.21**	---	---	<0.002
BH-B (MW-2)	2/6/1992	41.5	**3,500**	---	<1.25	<1.25	**19**	**46**	---	---	---
BH-B (MW-2)	2/6/1992	44.5	**8,800**	**4,500**[a]	<2.5	<2.5	**72**	**170**	---	---	<0.002
BH-B (MW-2)	2/6/1992	48.5	**19**	---	<0.025	<0.025	<0.025	**0.092**	---	---	---
BH-C (MW-3)	2/7/1992	31.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
BH-C (MW-3)	2/7/1992	36.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-C (MW-3)	2/7/1992	41.5	**64**	---	<0.025	<0.025	<0.025	**0.25**	---	---	---
BH-C (MW-3)	2/7/1992	44.5	**45**	**29**[a]	<0.025	<0.025	<0.025	**0.25**	---	---	<0.002
BH-C (MW-3)	2/7/1992	48.5	**15**	---	<0.0025	<0.0025	<0.0025	**0.60**	---	---	---
BH-A (MW-1)	3/6/1990	9.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0020**
BH-A (MW-1)	3/6/1990	19.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	3/6/1990	29.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			◄				(ppm)				►
BH-A (MW-1)	3/6/1990	39.7	<1	**1.6**[b]	<0.0025	<0.0025	<0.0025		---	---	<0.0020
BH-A (MW-1)	3/6/1990	51.2	<1	---	<0.0025	<0.0025	<0.0025	**0.0057**	---	---	**0.0045**
BH-A (MW-1)	3/6/1990	61.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0043**

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. Prior to August 7, 2003, samples analyzed by modified EPA Method 8015; subsequently analyzed by EPA Method 8260B.

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

MTBE = Methyl tertiary butyl ether.

PCE = Tetrachloroethene analyzed by EPA Method 8010.

fbg = feet below grade.

ppm = parts per million (milligrams per kilogram).

<n = Below detection limit of **n** parts per million.

--- = Not analyzed.

Notes:

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8020 prior to August 7, 3003; subsequently analyzed by EPA Method 8260B.

a = Laboratory reported that the detected compound is a hydrocarbon lighter than diesel.

b = no total petroleum hydrocarbons as motor oil detected at modified EPA method 8015 detection limit of 10 ppm

c = boring attempted however not feasible due to subsurface or overhead obstruction

Selected samples from soil borings BH-A through BH-F were analyzed for petroeum oil and grease by American Public Health Association (APHA) Standard Method 503E

Table 2. Groundwater Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2 DCA	EDB	Ethanol
			←						(ppb)	→					
SB-1-W	08/04/03	38	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-2-W	08/05/03	38	<5,000	<50	<50	<50	<100	**2,000**	<500	<200	<200	<200	<50	<50	<5,000
SB-3-W	08/05/03	37	**63**	<0.50	<0.50	<0.50	**3.6**	**3.5**	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-4-W	08/05/03	37	<50	<0.50	<0.50	<0.50	**1.7**	<0.50	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-6-W	08/07/03	37	**3,800**	**5.1**	<0.50	**12**	**2.1**	**58**	<5.0	<2.0	<2.0	<2.0	<0.50	<0.50	<50
SB-7-W	08/07/03	38	**1,200,000**	**7,800**	**38,000**	**20,000**	**130,000**	**6,000**	<10,000	<4,000	<4,000	<4,000	<1,000	<1,000	<1,000,000
B-1-W	06/26/00	---	<50	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---
B-2-W	06/26/00	---	<50	<0.050	<0.050	<0.050	<0.050	<2.50	---	---	---	---	---	---	---

Abbreviations and Notes:

ppb = parts per billion

TPHg = Total Petroleum Hydrocarbons as gasoline, analyzed by EPA Method 8260B.

BTEX = Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8260B.

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

TBA = tert-Buty;-alcohol

DIPE = Di-isopropyl Ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl methyl ether

1,2 DCA = 1,2 Di chloro alcohol

EDB = Ethylene di-brohmide

Ethanol.

--- = Not analyzed

ATTACHMENT A

Standard Procedures for Geoprobe® Soil Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

ATTACHMENT B

Permits

Attn: James Yoo

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5733
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 1285 Bancroft Ave
San Leandro, CA 94579

CLIENT
Name Shell Oil Products Co. (US)
Address P.O. Box 7869 Phone 559-645-9306
City Burbank, CA Zip 91510-7869

APPLICANT
Name Cambria Environmental
5900 Hollis St. Fax 5104209170
Address 5900 Hollis St. Ste A Phone 5104203339
City Emeryville, CA Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☐	Well Destruction	☐

environmental borings (8)

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	X
Cable	☐	Other	X	geoprobe	

DRILLER'S NAME Gregg Drilling
DRILLER'S LICENSE NO. C-57 485165

WELL PROJECTS
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Owner's Well Number ____

GEOTECHNICAL PROJECTS
Number of Borings 8 Maximum
Hole Diameter 4" in. Depth 55 ft. (SB-1 thru 8)

ESTIMATED STARTING DATE 8/4/03
ESTIMATED COMPLETION DATE 8/7/03

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 7/22/03
PLEASE PRINT NAME Edward Dalle IV

Rev.6 -5-00

FOR OFFICE USE

PERMIT NUMBER W03-0670
WELL NUMBER ____
APN ____

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(D) GEOTECHNICAL (ENVIRONMENTAL)
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind, ~~or with compatible cuttings~~

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.

(G) SPECIAL CONDITIONS #GP1 ATTACHED

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 7-24-03

MISC.

CITY OF SAN LEANDRO
APPLICATION TO PERFORM WORK IN THE PUBLIC RIGHT-OF-WAY

Service No. _____

02399
Permit Number

10-23-02
Date Approved

Work Site: 1285 ~~Hornets Avenue~~ BANCROFT AVE

Applicant: Name Steve Dalie Address _____ Tel. _____

Owner: Name Cambria Environmental Address 1144 65th Street Oakland Tel. 510-420-0700

Emergency: Name Steve Dalie Mobile 510-714-0836 CA 94608 Tel. 510-420-3339

Purpose of Permit: PERMIT EXTENDED April 23, 03 J. Lo 1-23-03

☐ Utility ☐ Street Excavation ☐ Curb, Gutter, Sidewalk, Driveway ☒ Other Monitoring Well

Detailed Description and Dimensions of Work: Install one well W Estudillo Ave. westbound lane, well depth @ 60' fbg 2" casing, traffic rated well box

Plan Submitted: Yes X No _____ Profile Submitted: Yes X No _____

Date Work to be Started: Nov 4, 2002 Date Work to be Completed: Nov 5, 2002

Building Permit No. _____ State Encroachment Permit No. _____

Oro Loma Permit No. _____ Alameda County Flood Control Permit No. _____

Excavation and Grading Permit No. _____

Compliance with State Labor Code, in accordance with Section 3800:

☒ Applicant has on file with the City of San Leandro evidence that worker's compensation insurance is carried.

☐ Applicant will not employ anyone and therefore will not be subject to the worker's compensation laws of California.

Statement of State Contractor's License, in accordance with Section 7031.5 of the State Business and Professions Code:

☒ Applicant has State License No. C57485165 Class A in full force and effect.

☐ Applicant is exempt from the State Contractor's License Law for the following reason(s): _____

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment for all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Printed Name: Steward Dalie Signature: _____ Date: 9/25/02

PLEASE CALL (510) 577-3308 FOR INSPECTIONS

SPECIAL PROVISIONS

Backfill Required _____

Pavement Section Required ALL WORK PER CITY GENERAL

Minimum Depth of Cover PROVISIONS

Police & Fire Dept. to be notified 24 hours prior to start: YES ____ NO ____

WORKING HOURS: 9:00 AM – 3:00 PM ONLY.

PEDESTRIAN SAFETY & ACCESS AND TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. TRAFFIC CONTROL REFER TO ATTACHED APPROVED TRAFFIC CONTROL PLAN.

SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK

PERMIT IS VALID WHEN SIGNED

Any omission on the part of the City to specify on this permit any rule, regulation, provision, or specification shall not excuse the permittee from complying with all requirements of law and appropriate ordinances and all applicable regulations, provisions, and specifications adopted by the City.

ISSUE FOR CITY ENGINEER

ENG / PUBLIC WORKS

Jane Lo

INSPECTION RECORD

Date	Comments	Insp	Hrs. Charged

NOTE: 1 hr. minimum charge per inspection stop

Hours forwarded from reverse side: _____

TOTAL HOURS CHARGED: _____

FEES

PERMIT FEE: $50 To Acct #3305

RESTORE/INSPECT. DEPOSIT: 1075 To CN# 15029

STREET CUT FEE: _____ To Acct #3304

TOTAL: $1,125 CB

☐ All charges collected at permit issuance

☐ All charges to be billed to CN# 15029

ATTACHMENT C

Boring Logs

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	04-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	04-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.7 ft (04-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.2 ft (04-Aug-03)

REMARKS Hand augered to 5 fbg, direct push tool, no samples from 5 to 28 fbg.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Asphalt.	0.6
						Gravel/Road Base.	2.0
						SILT; (ML); brown; soft; damp; 5% clay, 80% silt; 15% very fine sand; low plasticity.	
				5			
				10			
				15	ML	Direct push 5 fbg to 28 fbg.	
				20			
				25			
							28.0
				30	ML	**SILT**; (ML); dark yellowish brown; medium stiff; very damp; 20% clay, 75% silt, 5% sand.	31.0
0			SB-1-31'			**Silty SAND**; (SM); light yellowish brown; soft to loose; wet; 30% silt, 60% sand, 10% small gravel.	
0			SB-1-33'		SM		
				35			35.0

WELL DIAGRAM

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

Continued Next Page

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	04-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	04-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-1-35'			SW		**Well Graded SAND with Gravel**; (SW); olive brown; loose; wet; 55% sand, 45% gravel. ▼ Grab groundwater sample colected at 37.7 fbg.	40.0	
0			SB-1-40'		40	GC		**Clayey GRAVEL with Sand**; (GC); gray; soft; wet; 35% clay, 15% sand, 50% gravel.	42.0	
						ML		**Gravelly SILT with Sand**; (ML); brownish gray; soft; wet; 60% silt, 20% sand, 20% gravel.	44.5	
			No Recovery		45	SM		**Silty SAND**; (SM); brownish gray; very dense to hard; damp; 45% silt, 55% sand.	46.0	
						SP		**Poorly Graded SAND**; (SP); brownish gray; loose; wet; 100% sand.	46.5	
0			SB-1-47.5'			GW		**Well Graded GRAVEL with Sand**; (GW); brownish gray; loose; wet; 45% sand, 55% gravel.	48.0	Bottom of Boring @ 48 ft

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03)

REMARKS Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Grass.**	0.6
						SILT; (ML); Brown; soft; damp; 95% Silt, 5% very fine Sand.	
				5			
				10			
					ML		
				15		Direct push from 5 fbg to 25 fbg.	
				20			
0			SB-2-25'	25		**SILT**; (ML); brown; soft; damp; 80% silt, 20% very fine sand; low plasticity.	25.0
					ML		
0			SB-2-30'	30	SM	**Silty SAND**; (SM); olive brown; soft; loose; damp; 5% clay; 20% silt; 70% sand; 5% gravel.	30.0
0.3			SB-2-32'			**Silty CLAY**; (CL); olive brown; very stiff; damp; 60% clay, 30% silt, 10% sand.	32.0
				35	CL		

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

Continued Next Page

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-2-35'							
								▼	37.0	
0			SB-2-37'			ML		**SILT**; (ML); olive brown; soft to loose; wet; 60% silt, 40% fine sand. Grab groundwater sample collected at 38 fbg.		
					40				39.5	
1.2			SB-2-40'			GW		**Well Graded GRAVEL with Sand**; (GW); olive gray; loose; wet; 20% sand, 80% gravel.		
									44.0	
0.6			SB-2-45'		45	SM		**Silty SAND**; (SM); olive brown; loose; wet; 5% clay, 20% silt, 70% sand, 5% gravel.		
									48.0	
0			SB-2-50'		50	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.		
									52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINTS\NL1285.GPJ DEFAULT.GDT 10/17/03

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: (510) 420-0700
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03)
REMARKS	Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Grass.	0.6	
								SILT; (ML); brown; soft; damp; 95% silt, 5% sand.		
					5					
					10					
					15			Direct push from 5 fbg to 25 fbg.		
					20					
0			SB-3-25'		25	ML		**SILT**; (ML); dark brown; soft; damp; 80% silt, 20% fine sand; low plasticity.	25.0	
0			SB-3-30'		30	SM		**Silty SAND**; (SM); light brown; soft/loose; damp; 10% clay, 20% silt, 60% sand, 10% gravel; low plasticity.	31.0	
						SC		**Clayey SAND**; (SC); olive brown; hard; damp; 45% clay, 55% sand.	32.0	
					35				34.8	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

Continued Next Page

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0			SB-3-35'					**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.		
0			SB-3-37'			GW		Grab groundwater sample collected at 37 fbg.		
0			SB-3-40'		40				40.5	
								Silty SAND; (SM); olive brown; loose; wet; 10% clay, *30% silt, 50% sand, 10%gravel.*		
0			SB-3-45'		45	SM		20% clay, 25% silt, 50% sand, 5% gravel.		
									49.0	
0			SB-3-50'		50	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.		
									52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (05-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (05-Aug-03)

REMARKS Hand augered to 5 fbg, direct push tool, no samples from 5 to 25 fbg.

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
					0			**Grass.**		
								SILT; (ML); brown; soft; damp; 100% silt.	0.6	
					5					
					10	ML				
					15			Direct push from 5 fbg to 25 fbg.		
					20					
0.1			SB-4-25'		25	ML		**Clayey SILT**; (ML); dark brown; medium dense; damp; 25% clay, 70% silt, 5% sand, low plasticity.	25.0	
									28.0	
0.3			SB-4-30'		30	SM		**Silty SAND**; (SM); light brown; soft; damp; 15% clay, 25% silt, 60% sand; low plasticity.		
					35			**Silty CLAY**; (CL); olive brown; stiff; damp; 60% clay,	34.0	

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	05-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	05-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0.3			SB-4-35'			CL		30% silt, 10% sand; low to medium plasticity.	37.0 ▼	
0			SB-4-37'			GW		**Well Graded GRAVEL**; (GW); olive brown; medium dense; wet; 40% sand, 60% gravel. Grab groundwater sample collected at 37 fbg.	40.0	
0.2			SB-4-40'		40	SM		**Silty SAND with Clay and Gravel**; (SM); olive brown soft; wet; 10% clay, 25% silt, 60% sand, 5% gravel.	44.0	
0.1			SB-4-45'		45	GW		**Well Graded GRAVEL with Sand**; (GW); olive brown; loose; wet; 40% sand, 60% gravel.	49.5	
0.1			SB-4-50'		50	GM		**Silty GRAVEL with Sand**; (GM); olive brown; loose; wet; 5% clay 20% silt, 15% sand, 60% gravel.	52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	65
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (07-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (07-Aug-03)
REMARKS	Hand augered 5 fbg, collect samples starting at 10 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								Asphalt.		
								Clayey SILT; (ML); dark brown; medium dense; damp; 20% clay, 75% silt, 5% fine sand; low plasticity.	0.6	
					5			Top 5' hand augered, dark brown silt (ML); damp; 100% silt.		
0			SB-6-10'		10	ML				
0			SB-6-15'		15					
0			SB-6-20'		20			30% clay, 60% silt, 5% fine sand, 5% very samll gravel; low plasticity.		
0.5			SB-6-25'		25	SM		**Silty SAND with Gravel**; (SM); olive brown; soft; damp; 25% silt, 70% sand, 5% gravel.	25.0	
0.7			SB-6-30'		30	GW		**Well graded GRAVEL**; (GW); olive gray; loose; damp; 10% clay, 25% silt, 65% sand.	30.0	
					35			**Silty CLAY**; (CL); olive brown; very stiff; damp; 75% clay, 20% silt, 5% gravel.	33.0	

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

Continued Next Page

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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
11			SB-6-35'			CL				
0			SB-6-37'					▼	37.0	
1.2			SB-6-40'		40	SM		**Silty SAND with Gravel**; (SM); olive brown; soft; wet; 10% clay, 80% silt, 10% sand; low plasticity. Grab groundwater sample collected at 37 fbg.		
0			SB-6-45'		45					
0			SB-6-50'		50	GW		**Well graded GRAVEL with Silt and Sand**; (GW); olive gray; loose; wet; 10% clay, 10% silt, 80% sand.	50.0 52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

Cambria Environmental Technology, Inc.
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03
PROJECT NUMBER	245-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	66.5
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	Stu Dalie	**DEPTH TO WATER (First Encountered)**	37.0 ft (07-Aug-03)
REVIEWED BY	M. Derby, PE# 055475	**DEPTH TO WATER (Static)**	37.0 ft (07-Aug-03)
REMARKS	Hand augered 5 fbg, collect samples starting at 10 fbg.		

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Asphalt.**	0.6
					ML	**SILT**; (ML); dark brown; soft; damp; 100% silt.	
				5			
0			SB-6-10'	10		(ML); silt with some very fine sands; 95% silt, 5% very fine sand.	
							13.0
0.4			SB-6-15'	15	SM	**Silty SAND**; (SM); dark brown; medium dense; damp; 10% clay, 25% silt, 65% sand; low plasticity.	
0.7			SB-6-20'	20			
1.7			SB-7-25'	25			26.3
					ML	**SILT**; (ML); olive brown; very soft; damp; 5% clay, 90% silt, 5% very fine sand; hydrocarbon odor.	
						Olive gray; hydrocarbon odor.	30.0
3.7			SB-7-30'	30	CL	**Silty CLAY**; (CL); olive gray; medium stiff; damp; 55% clay, 45% silt; medium plasticity; hydrocarbon odor.	
							34.3
				35		**Clayey SILT**; (ML); olive gray; soft; damp to wet; 30%	

WELL DIAGRAM

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

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Cambria Environmental Technology, Inc.
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Telephone: (510) 420-0700
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products Company	**BORING/WELL NAME**	SB-7
JOB/SITE NAME	Shell-branded service station	**DRILLING STARTED**	07-Aug-03
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	07-Aug-03

Continued from Previous Page

PID (ppm)	TPHg (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
485			SB-7-35'					clay, 60% silt, 10% very fine sand; low plasticity.		
711			SB-7-37'					First encountered water approximately 37 fbg; 20% clay, 70% silt, 10% very fine sand. Grab groundwater sample collected at 38 fbg.		
819			SB-7-40'		40	ML		Some small sub-rounded gravels.	44.8	
1,692			SB-7-45'		45	GW		**Well Graded GRAVEL with Silt and Sand**; (GW); olive gray; loose; wet; 15% silt, 15% sand, 70% gravel; strong hydrocarbon odor.	50.3	
1,775			SB-7-50'		50	CL		**Silty CLAY**; (CL); olive brown; very stiff; damp; 65% clay, 20% silt, 10% sand, 5% gravel; low plasticity; hydrocarbon odor.	52.0	Bottom of Boring @ 52 ft

WELL LOG (PID/TPHG) G:\SAN LEANDRO 1285 BANCROFT\GINT\SNL1285.GPJ DEFAULT.GDT 10/17/03

ATTACHMENT D

Soil Disposal Confirmation Report

MANLEY & SONS TRUCKING, INC.
ROCK
SAND
DEMO
FILL DIRT
TOP SOIL
CA 009430
(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: 08/21/03

Consultant Information

Company:	Cambria Environmental
Contact:	Stu Dalie
Phone:	510 420-3339
Fax:	510 420-9170

Site Information

Station #:	N/A
Street Address:	1285 Bancroft Ave
City, State, ZIP:	San Leandro, CA 94577
Customer:	Shell Oil Company RESA-0023-LDC
RIPR #:	27319
SAP # / Location:	136017
Incident #:	98996067
Location / WIC #:	N/A
Environmental Engineer:	Karen Petryna
Material Description:	Contaminated Soil
Estimated Quantity:	1 yard
Service Requested Date:	
Disposal Facility:	Forward
Contact:	Griffith, Joe
Phone:	800-204-4242
Approval #:	3671
Date of Disposal:	8/25/03
Actual Tonnage	2.26 Tons
Transporter:	Manley & Sons Trucking, Inc.
Contact:	Glenell Manley
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	
Date of Invoice:	

ATTACHMENT E

Certified Laboratory Analytical Reports

SEVERN TRENT STL

Submission#: 2003-08-0304

Cambria Environmental Emeryville

August 21, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

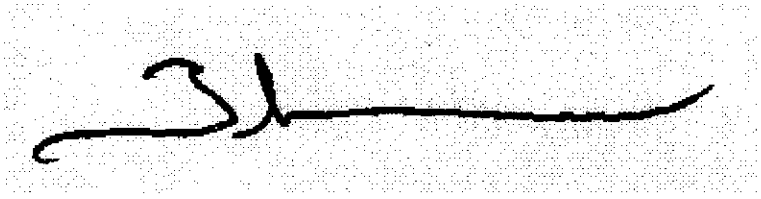
Project#: 245-0504-007
Project: 98996067
Site: 1285 Bancroft Avenue, San Leandro

Dear Mr. Dalie:

Attached is our report for your samples received on 08/08/2003 10:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/22/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-08-0304

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

***Samples* Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1-31`	08/04/2003 11:00	Soil	1
SB-1-33`	08/04/2003 11:30	Soil	2
SB-1-35`	08/04/2003 17:00	Soil	3
SB-1-40`	08/04/2003 17:20	Soil	4
SB-1-45`	08/04/2003 12:50	Soil	5
SB-1-47.5`	08/04/2003 11:00	Soil	6

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-31	Lab ID:	2003-08-0304 - 1
Sampled:	08/04/2003 11:00	Extracted:	8/14/2003 00:56
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 00:56	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 00:56	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 00:56	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 00:56	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 00:56	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 00:56	
Surrogates(s)						
1,2-Dichloroethane-d4	100.1	70-121	%	1.00	08/14/2003 00:56	
Toluene-d8	104.7	81-117	%	1.00	08/14/2003 00:56	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-33'**	Lab ID:	2003-08-0304 - 2
Sampled:	08/04/2003 11:30	Extracted:	8/14/2003 01:17
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 01:17	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:17	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:17	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:17	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 01:17	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 01:17	
Surrogates(s)						
1,2-Dichloroethane-d4	101.7	70-121	%	1.00	08/14/2003 01:17	
Toluene-d8	100.2	81-117	%	1.00	08/14/2003 01:17	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-35'**	Lab ID:	2003-08-0304 - 3
Sampled:	08/04/2003 17:00	Extracted:	8/14/2003 01:39
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 01:39	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:39	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:39	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 01:39	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 01:39	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 01:39	
Surrogates(s)						
1,2-Dichloroethane-d4	108.9	70-121	%	1.00	08/14/2003 01:39	
Toluene-d8	102.6	81-117	%	1.00	08/14/2003 01:39	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-40'**	Lab ID:	2003-08-0304 - 4
Sampled:	08/04/2003 17:20	Extracted:	8/14/2003 02:01
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 02:01	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:01	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:01	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 02:01	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 02:01	
Surrogates(s)						
1,2-Dichloroethane-d4	105.6	70-121	%	1.00	08/14/2003 02:01	
Toluene-d8	102.5	81-117	%	1.00	08/14/2003 02:01	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-45'**	Lab ID:	2003-08-0304 - 5
Sampled:	08/04/2003 12:50	Extracted:	8/14/2003 02:22
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 02:22	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:22	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 02:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 02:22	
Surrogates(s)						
1,2-Dichloroethane-d4	107.6	70-121	%	1.00	08/14/2003 02:22	
Toluene-d8	101.4	81-117	%	1.00	08/14/2003 02:22	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-47.5**	Lab ID:	2003-08-0304 - 6
Sampled:	08/04/2003 11:00	Extracted:	8/14/2003 02:44
Matrix:	Soil	QC Batch#:	2003/08/13-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 02:44	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:44	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 02:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 02:44	
Surrogates(s)						
1,2-Dichloroethane-d4	104.4	70-121	%	1.00	08/14/2003 02:44	
Toluene-d8	102.3	81-117	%	1.00	08/14/2003 02:44	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Soil** — **QC Batch # 2003/08/13-2B.62**

MB: 2003/08/13-2B.62-036 — Date Extracted: 08/13/2003 20:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	ug/Kg	08/13/2003 20:36	
Methyl tert-butyl ether (MTBE)	ND	0.0050	ug/Kg	08/13/2003 20:36	
Benzene	ND	0.0050	ug/Kg	08/13/2003 20:36	
Toluene	ND	0.0050	ug/Kg	08/13/2003 20:36	
Ethyl benzene	ND	0.0050	ug/Kg	08/13/2003 20:36	
Total xylenes	ND	0.0050	ug/Kg	08/13/2003 20:36	
Surrogates(s)					
1,2-Dichloroethane-d4	105.0	70-121	%	08/13/2003 20:36	
Toluene-d8	102.3	81-117	%	08/13/2003 20:36	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/13-2B.62**

LCS 2003/08/13-2B.62-053 Extracted: 08/13/2003 Analyzed: 08/13/2003 19:53

LCSD 2003/08/13-2B.62-015 Extracted: 08/13/2003 Analyzed: 08/13/2003 20:15

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	63.2	62.7	50	126.4	125.4	0.8	65-165	20		
Benzene	62.4	58.9	50	124.8	117.8	5.8	69-129	20		
Toluene	59.2	57.6	50	118.4	115.2	2.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	510	522	500	102.0	104.4		70-121			
Toluene-d8	525	520	500	105.0	104.0		81-117			

SEVERN TRENT STL

Submission #: 2003-08-0304

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1-W	08/04/2003 14:00	Water	7

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-1-W**	Lab ID:	2003-08-0304 - 7
Sampled:	08/04/2003 14:00	Extracted:	8/16/2003 02:28
Matrix:	Water	QC Batch#:	2003/08/15-2A 64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/16/2003 02:28	
Benzene	ND	0.50	ug/L	1.00	08/16/2003 02:28	
Toluene	ND	0.50	ug/L	1.00	08/16/2003 02:28	
Ethylbenzene	ND	0.50	ug/L	1.00	08/16/2003 02:28	
Total xylenes	ND	1.0	ug/L	1.00	08/16/2003 02:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/16/2003 02:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/16/2003 02:28	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/16/2003 02:28	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/16/2003 02:28	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/16/2003 02:28	
1,2-DCA	ND	0.50	ug/L	1.00	08/16/2003 02:28	
EDB	ND	0.50	ug/L	1.00	08/16/2003 02:28	
Ethanol	ND	50	ug/L	1.00	08/16/2003 02:28	
Surrogates(s)						
1,2-Dichloroethane-d4	90.4	76-130	%	1.00	08/16/2003 02:28	
Toluene-d8	97.4	78-115	%	1.00	08/16/2003 02:28	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/08/15-2A.64**

MB: 2003/08/15-2A 64-011 — Date Extracted: 08/15/2003 23:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/15/2003 23:11	
Benzene	ND	0.5	ug/L	08/15/2003 23:11	
Toluene	ND	0.5	ug/L	08/15/2003 23:11	
Ethylbenzene	ND	0.5	ug/L	08/15/2003 23:11	
Total xylenes	ND	1.0	ug/L	08/15/2003 23:11	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/15/2003 23:11	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/15/2003 23:11	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/15/2003 23:11	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/15/2003 23:11	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/15/2003 23:11	
1,2-DCA	ND	0.5	ug/L	08/15/2003 23:11	
EDB	ND	0.5	ug/L	08/15/2003 23:11	
Ethanol	ND	50	ug/L	08/15/2003 23:11	
Surrogates(s)					
1,2-Dichloroethane-d4	96.9	76-130	%	08/15/2003 23:11	
Toluene-d8	96.4	78-115	%	08/15/2003 23:11	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — **Water** — **QC Batch # 2003/08/15-2A.64**

LCS 2003/08/15-2A.64-027 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 22:27
LCSD 2003/08/15-2A.64-049 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 22:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	26.7	28.8	25	106.8	115.2	7.6	69-129	20		
Toluene	28.5	31.1	25	114.0	124.4	8.7	70-130	20		
Methyl tert-butyl ether (MTBE)	27.8	28.8	25	111.2	115.2	3.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	483	471	500	96.6	94.2		76-130			
Toluene-d8	491	514	500	98.2	102.8		78-115			

SHELL Chain Of Custody Record

76811

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ CRMT-HOUSTON

2003.08.0304

INCIDENT NUMBER (S&E ONLY): 98996067

SAP or CRMT NUMBER (TS/CRMT): 13601 7

DATE: 8/ 4 /03

PAGE: 1 of 1

Consultant Company: Cambria Environmental	LOG CODE:	Site Address (Street and City): 1285 Bancroft Avenue, San Leandro, CA	Global ID No.: T0600101224
Address: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF Deliverable To (Responsible Party or Consultant): shelloaklandedf@cambria-env.com	Phone No.: 510-420-3339
Project Contact (Hardcopy or EDF Report to): Stu Dalie			E-mail: sdalie@cambria-env.com
Telephone: 510-420-3339	Fax: 510-420-9170	E-mail: sdalie@cambria-env.com	Consultant Project No.: 245-0504-007
		Sampler Name(s): Stu Dalie	Lab Use Only

Turnaround Time (Business Days): ☑ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ IA - RWQCB REPORT FORMAT ☑ UST AGENCY:

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

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

cc: lab report to sdalie@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc.. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

Lab Use Only	Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	TAME, ETBE, DIPE	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						
1	SB-1-31'	8/4/03	1110	soil	1	X		X	X																	
2	SB-1-33'	8/4/03	1130	Soil	1	X		X	X																	
3	SB-1-35'	8/4/03	1200	Soil	1	X		X	X																	
4	SB-1-40'	8/4/03	1220	Soil	1	X		X	X																	
5	SB-1-45'	8/4/03	1250	Soil	1	X		X	X																	
6	SB-1-47.5'	8/4/03	115	Soil	1	X		X	X																	
7	SB-1-W	8/4/03	140	H2O	4 VOA	X		X	X	X	X	X	X													
	SB-	8/ /03																								
	SB-	8/ /03																								
	SB-	8/ /03																								

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Sulfur Perm ID

ON ICE

SB-1

5.9°C

Relinquished by: (Signature) Stu Dalie	Received by: (Signature) Steve 8/8/03 1035 Cambria Environmental, safe location, steward Dalie	DATE 8/ 8 /03	TIME 8:00 A.M
Relinquished by: (Signature) L Stone	Received by: (Signature)	Date:	Time
Relinquished by: (Signature) Steve 8/8/03 1620	Received by: (Signature) Denise Harrington / STL-SF	Date: 8/8/03	Time: 1620

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

OMD Graphic (714) 895-8202

10/15/00 Revision

SEVERN TRENT STL

Submission#: 2003-08-0306

Cambria Environmental Emeryville

August 27, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

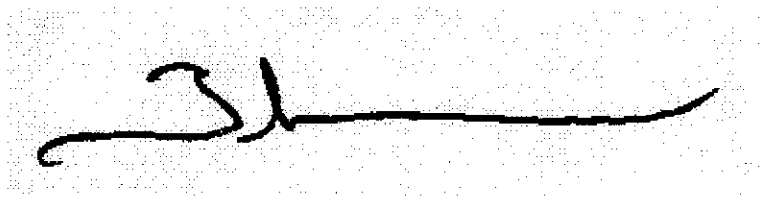
Project#: 245-0504-007
Project: 98996067
Site: 1285 Bancroft Avenue, San Leandro

Dear Mr. Dalie:

Attached is our report for your samples received on 08/08/2003 10:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/22/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-08-0306

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-6-W	08/07/2003 14:15	Water	22
SB-7-W	08/07/2003 11:45	Water	23

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-W**	Lab ID:	2003-08-0306 - 22
Sampled:	08/07/2003 14:15	Extracted:	8/18/2003 14:52
Matrix:	Water	QC Batch#:	2003/08/18-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3800	50	ug/L	1.00	08/18/2003 14:52	
Benzene	5.1	0.50	ug/L	1.00	08/18/2003 14:52	
Toluene	ND	0.50	ug/L	1.00	08/18/2003 14:52	
Ethylbenzene	12	0.50	ug/L	1.00	08/18/2003 14:52	
Total xylenes	2.1	1.0	ug/L	1.00	08/18/2003 14:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/18/2003 14:52	
Methyl tert-butyl ether (MTBE)	58	0.50	ug/L	1.00	08/18/2003 14:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/18/2003 14:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/18/2003 14:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/18/2003 14:52	
1,2-DCA	ND	0.50	ug/L	1.00	08/18/2003 14:52	
EDB	ND	0.50	ug/L	1.00	08/18/2003 14:52	
Ethanol	ND	50	ug/L	1.00	08/18/2003 14:52	
Surrogates(s)						
1,2-Dichloroethane-d4	98.0	76-130	%	1.00	08/18/2003 14:52	
Toluene-d8	102.3	78-115	%	1.00	08/18/2003 14:52	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-7-W**	Lab ID:	2003-08-0306 - 23
Sampled:	08/07/2003 11:45	Extracted:	8/18/2003 15:15
Matrix:	Water	QC Batch#:	2003/08/18-1B.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200000	100000	ug/L	2000.00	08/18/2003 15:15	
Benzene	7800	1000	ug/L	2000.00	08/18/2003 15:15	
Toluene	38000	1000	ug/L	2000.00	08/18/2003 15:15	
Ethylbenzene	20000	1000	ug/L	2000.00	08/18/2003 15:15	
Total xylenes	130000	2000	ug/L	2000.00	08/18/2003 15:15	
tert-Butyl alcohol (TBA)	ND	10000	ug/L	2000.00	08/18/2003 15:15	
Methyl tert-butyl ether (MTBE)	6000	1000	ug/L	2000.00	08/18/2003 15:15	
Di-isopropyl Ether (DIPE)	ND	4000	ug/L	2000.00	08/18/2003 15:15	
Ethyl tert-butyl ether (ETBE)	ND	4000	ug/L	2000.00	08/18/2003 15:15	
tert-Amyl methyl ether (TAME)	ND	4000	ug/L	2000.00	08/18/2003 15:15	
1,2-DCA	ND	1000	ug/L	2000.00	08/18/2003 15:15	
EDB	ND	1000	ug/L	2000.00	08/18/2003 15:15	
Ethanol	ND	100000	ug/L	2000.00	08/18/2003 15:15	
Surrogates(s)						
1,2-Dichloroethane-d4	102.6	76-130	%	2000.00	08/18/2003 15:15	
Toluene-d8	106.2	78-115	%	2000.00	08/18/2003 15:15	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — **Water** — Test(s): 8260FAB

Method Blank — **QC Batch # 2003/08/18-1B.62**

MB: 2003/08/18-1B.62-032 — Date Extracted: 08/18/2003 11:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/18/2003 11:32	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/18/2003 11:32	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/18/2003 11:32	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/18/2003 11:32	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/18/2003 11:32	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/18/2003 11:32	
1,2-DCA	ND	0.5	ug/L	08/18/2003 11:32	
EDB	ND	0.5	ug/L	08/18/2003 11:32	
Benzene	ND	0.5	ug/L	08/18/2003 11:32	
Toluene	ND	0.5	ug/L	08/18/2003 11:32	
Ethylbenzene	ND	0.5	ug/L	08/18/2003 11:32	
Total xylenes	ND	1.0	ug/L	08/18/2003 11:32	
Ethanol	ND	50	ug/L	08/18/2003 11:32	
Surrogates(s)					
1,2-Dichloroethane-d4	93.1	76-130	%	08/18/2003 11:32	
Toluene-d8	101.9	78-115	%	08/18/2003 11:32	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2003/08/18-1B.62**

LCS 2003/08/18-1B.62-047 Extracted: 08/18/2003 Analyzed: 08/18/2003 10:47

LCSD 2003/08/18-1B.62-009 Extracted: 08/18/2003 Analyzed: 08/18/2003 11:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	28.3	26.3	25	113.2	105.2	7.3	65-165	20		
Benzene	26.5	25.9	25	106.0	103.6	2.3	69-129	20		
Toluene	24.9	24.7	25	99.6	98.8	0.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481	460	500	96.2	92.0		76-130			
Toluene-d8	504	497	500	100.8	99.4		78-115			

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2003-08-0306

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-7-10`	08/07/2003	Soil	1
SB-7-15`	08/07/2003 09:25	Soil	2
SB-7-20`	08/07/2003 09:45	Soil	3
SB-7-25`	08/07/2003 10:00	Soil	4
SB-7-30`	08/07/2003 10:15	Soil	5
SB-7-35`	08/07/2003 10:40	Soil	6
SB-7-51.5`	08/07/2003 11:30	Soil	11
SB-6-10`	08/07/2003 12:00	Soil	12
SB-6-15`	08/07/2003 12:10	Soil	13
SB-6-20`	08/07/2003 12:20	Soil	14
SB-6-25`	08/07/2003 12:30	Soil	15
SB-6-30`	08/07/2003 12:40	Soil	16
SB-6-35`	08/07/2003 12:50	Soil	17
SB-6-37`	08/07/2003 13:00	Soil	18
SB-6-40`	08/07/2003 13:15	Soil	19
SB-6-45`	08/07/2003 13:25	Soil	20
SB-6-50`	08/07/2003 13:35	Soil	21

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-7-10'**	Lab ID:	2003-08-0306 - 1
Sampled:	08/07/2003	Extracted:	8/19/2003 10:42
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 10:42	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 10:42	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 10:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 10:42	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 10:42	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 10:42	
Surrogates(s)						
1,2-Dichloroethane-d4	97.2	70-121	%	1.00	08/19/2003 10:42	
Toluene-d8	102.8	81-117	%	1.00	08/19/2003 10:42	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-7-15**	Lab ID:	2003-08-0306 - 2
Sampled:	08/07/2003 09:25	Extracted:	8/19/2003 11:04
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 11:04	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:04	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:04	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 11:04	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 11:04	
Surrogates(s)						
1,2-Dichloroethane-d4	96.6	70-121	%	1.00	08/19/2003 11:04	
Toluene-d8	101.7	81-117	%	1.00	08/19/2003 11:04	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-7-20'	Lab ID:	2003-08-0306 - 3
Sampled:	08/07/2003 09:45	Extracted:	8/19/2003 11:26
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 11:26	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:26	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:26	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:26	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 11:26	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 11:26	
Surrogates(s)						
1,2-Dichloroethane-d4	102.5	70-121	%	1.00	08/19/2003 11:26	
Toluene-d8	101.5	81-117	%	1.00	08/19/2003 11:26	

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

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-7-25'	Lab ID:	2003-08-0306 - 4
Sampled:	08/07/2003 10:00	Extracted:	8/19/2003 11:49
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 11:49	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:49	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:49	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 11:49	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 11:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 11:49	
Surrogates(s)						
1,2-Dichloroethane-d4	94.9	70-121	%	1.00	08/19/2003 11:49	
Toluene-d8	103.8	81-117	%	1.00	08/19/2003 11:49	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-7-30**	Lab ID:	2003-08-0306 - 5
Sampled:	08/07/2003 10:15	Extracted:	8/19/2003 12:11
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	4.6	mg/Kg	4.59	08/19/2003 12:11	
Benzene	ND	0.023	mg/Kg	4.59	08/19/2003 12:11	
Toluene	ND	0.023	mg/Kg	4.59	08/19/2003 12:11	
Ethyl benzene	ND	0.023	mg/Kg	4.59	08/19/2003 12:11	
Total xylenes	ND	0.023	mg/Kg	4.59	08/19/2003 12:11	
Methyl tert-butyl ether (MTBE)	0.065	0.023	mg/Kg	4.59	08/19/2003 12:11	
Surrogates(s)						
1,2-Dichloroethane-d4	95.6	70-121	%	4.59	08/19/2003 12:11	
Toluene-d8	102.2	81-117	%	4.59	08/19/2003 12:11	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-7-35	Lab ID:	2003-08-0306 - 6
Sampled:	08/07/2003 10:40	Extracted:	8/19/2003 12:33
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2.2	1.0	mg/Kg	1.00	08/19/2003 12:33	
Benzene	0.0076	0.0050	mg/Kg	1.00	08/19/2003 12:33	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 12:33	
Ethyl benzene	0.014	0.0050	mg/Kg	1.00	08/19/2003 12:33	
Total xylenes	0.017	0.0050	mg/Kg	1.00	08/19/2003 12:33	
Methyl tert-butyl ether (MTBE)	0.25	0.0050	mg/Kg	1.00	08/19/2003 12:33	
Surrogates(s)						
1,2-Dichloroethane-d4	97.5	70-121	%	1.00	08/19/2003 12:33	
Toluene-d8	104.7	81-117	%	1.00	08/19/2003 12:33	

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

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-7-51.5**	Lab ID:	2003-08-0306 - 11
Sampled:	08/07/2003 11:30	Extracted:	8/20/2003 20:28
Matrix:	Soil	QC Batch#:	2003/08/20-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/20/2003 20:28	
Benzene	ND	0.0050	mg/Kg	1.00	08/20/2003 20:28	
Toluene	ND	0.0050	mg/Kg	1.00	08/20/2003 20:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/20/2003 20:28	
Total xylenes	0.016	0.0050	mg/Kg	1.00	08/20/2003 20:28	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/20/2003 20:28	
Surrogates(s)						
1,2-Dichloroethane-d4	91.6	70-121	%	1.00	08/20/2003 20:28	
Toluene-d8	104.1	81-117	%	1.00	08/20/2003 20:28	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-6-10	Lab ID:	2003-08-0306 - 12
Sampled:	08/07/2003 12:00	Extracted:	8/20/2003 18:51
Matrix:	Soil	QC Batch#:	2003/08/20-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/20/2003 18:51	
Benzene	ND	0.0050	mg/Kg	1.00	08/20/2003 18:51	
Toluene	ND	0.0050	mg/Kg	1.00	08/20/2003 18:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/20/2003 18:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/20/2003 18:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/20/2003 18:51	
Surrogates(s)						
1,2-Dichloroethane-d4	99.8	70-121	%	1.00	08/20/2003 18:51	
Toluene-d8	99.3	81-117	%	1.00	08/20/2003 18:51	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-15**	Lab ID:	2003-08-0306 - 13
Sampled:	08/07/2003 12:10	Extracted:	8/19/2003 14:47
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 14:47	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 14:47	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 14:47	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 14:47	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 14:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 14:47	
Surrogates(s)						
1,2-Dichloroethane-d4	96.6	70-121	%	1.00	08/19/2003 14:47	
Toluene-d8	102.7	81-117	%	1.00	08/19/2003 14:47	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-20**	Lab ID:	2003-08-0306 - 14
Sampled:	08/07/2003 12:20	Extracted:	8/19/2003 15:09
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 15:09	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:09	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:09	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 15:09	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 15:09	
Surrogates(s)						
1,2-Dichloroethane-d4	99.1	70-121	%	1.00	08/19/2003 15:09	
Toluene-d8	104.1	81-117	%	1.00	08/19/2003 15:09	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-6-25	Lab ID:	2003-08-0306 - 15
Sampled:	08/07/2003 12:30	Extracted:	8/19/2003 15:32
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 15:32	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:32	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:32	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:32	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 15:32	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 15:32	
Surrogates(s)						
1,2-Dichloroethane-d4	95.3	70-121	%	1.00	08/19/2003 15:32	
Toluene-d8	103.5	81-117	%	1.00	08/19/2003 15:32	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-30'**	Lab ID:	2003-08-0306 - 16
Sampled:	08/07/2003 12:40	Extracted:	8/19/2003 15:54
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 15:54	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:54	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 15:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 15:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/19/2003 15:54	
Surrogates(s)						
1,2-Dichloroethane-d4	99.0	70-121	%	1.00	08/19/2003 15:54	
Toluene-d8	102.0	81-117	%	1.00	08/19/2003 15:54	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-35'**	Lab ID:	2003-08-0306 - 17
Sampled:	08/07/2003 12:50	Extracted:	8/19/2003 16:16
Matrix:	Soil	QC Batch#:	2003/08/19-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/19/2003 16:16	
Benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 16:16	
Toluene	ND	0.0050	mg/Kg	1.00	08/19/2003 16:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/19/2003 16:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/19/2003 16:16	
Methyl tert-butyl ether (MTBE)	0.0087	0.0050	mg/Kg	1.00	08/19/2003 16:16	
Surrogates(s)						
1,2-Dichloroethane-d4	104.3	70-121	%	1.00	08/19/2003 16:16	
Toluene-d8	105.9	81-117	%	1.00	08/19/2003 16:16	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-6-37	Lab ID:	2003-08-0306 - 18
Sampled:	08/07/2003 13:00	Extracted:	8/16/2003 02:57
Matrix:	Soil	QC Batch#:	2003/08/15-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/16/2003 02:57	
Benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 02:57	
Toluene	ND	0.0050	mg/Kg	1.00	08/16/2003 02:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 02:57	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/16/2003 02:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/16/2003 02:57	
Surrogates(s)						
1,2-Dichloroethane-d4	96.7	70-121	%	1.00	08/16/2003 02:57	
Toluene-d8	102.1	81-117	%	1.00	08/16/2003 02:57	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-40'**	Lab ID:	2003-08-0306 - 19
Sampled:	08/07/2003 13:15	Extracted:	8/16/2003 03:19
Matrix:	Soil	QC Batch#:	2003/08/15-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5.5	1.0	mg/Kg	1.00	08/16/2003 03:19	
Benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 03:19	
Toluene	ND	0.0050	mg/Kg	1.00	08/16/2003 03:19	
Ethyl benzene	0.022	0.0050	mg/Kg	1.00	08/16/2003 03:19	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/16/2003 03:19	
Methyl tert-butyl ether (MTBE)	0.036	0.0050	mg/Kg	1.00	08/16/2003 03:19	
Surrogates(s)						
1,2-Dichloroethane-d4	98.4	70-121	%	1.00	08/16/2003 03:19	
Toluene-d8	100.5	81-117	%	1.00	08/16/2003 03:19	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-45**	Lab ID:	2003-08-0306 - 20
Sampled:	08/07/2003 13:25	Extracted:	8/16/2003 03:41
Matrix:	Soil	QC Batch#:	2003/08/15-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/16/2003 03:41	
Benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 03:41	
Toluene	ND	0.0050	mg/Kg	1.00	08/16/2003 03:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 03:41	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/16/2003 03:41	
Methyl tert-butyl ether (MTBE)	0.0063	0.0050	mg/Kg	1.00	08/16/2003 03:41	
Surrogates(s)						
1,2-Dichloroethane-d4	94.7	70-121	%	1.00	08/16/2003 03:41	
Toluene-d8	105.5	81-117	%	1.00	08/16/2003 03:41	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-6-50'**	Lab ID:	2003-08-0306 - 21
Sampled:	08/07/2003 13:35	Extracted:	8/16/2003 04:04
Matrix:	Soil	QC Batch#:	2003/08/15-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/16/2003 04:04	
Benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 04:04	
Toluene	ND	0.0050	mg/Kg	1.00	08/16/2003 04:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/16/2003 04:04	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/16/2003 04:04	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/16/2003 04:04	
Surrogates(s)						
1,2-Dichloroethane-d4	98.0	70-121	%	1.00	08/16/2003 04:04	
Toluene-d8	106.9	81-117	%	1.00	08/16/2003 04:04	

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

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB
Method Blank — **Soil** — **QC Batch # 2003/08/15-3A.62**
MB: 2003/08/15-3A.62-013 — Date Extracted: 08/15/2003 23:13

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	08/15/2003 23:13	
Benzene	ND	0.0050	mg/Kg	08/15/2003 23:13	
Toluene	ND	0.0050	mg/Kg	08/15/2003 23:13	
Ethyl benzene	ND	0.0050	mg/Kg	08/15/2003 23:13	
Total xylenes	ND	0.0050	mg/Kg	08/15/2003 23:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/15/2003 23:13	
Surrogates(s)					
1,2-Dichloroethane-d4	97.1	70-121	%	08/15/2003 23:13	
Toluene-d8	102.4	81-117	%	08/15/2003 23:13	

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

Cambria Environmental Emeryville
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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Soil** — **QC Batch # 2003/08/19-1B.62**

MB: 2003/08/19-1B.62-057 — Date Extracted: 08/19/2003 09:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	ug/Kg	08/19/2003 09:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	ug/Kg	08/19/2003 09:57	
Benzene	ND	0.0050	ug/Kg	08/19/2003 09:57	
Toluene	ND	0.0050	ug/Kg	08/19/2003 09:57	
Ethyl benzene	ND	0.0050	ug/Kg	08/19/2003 09:57	
Total xylenes	ND	0.0050	ug/Kg	08/19/2003 09:57	
Surrogates(s)					
1,2-Dichloroethane-d4	95.1	70-121	%	08/19/2003 09:57	
Toluene-d8	100.2	81-117	%	08/19/2003 09:57	

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

Cambria Environmental Emeryville

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — Soil — **QC Batch # 2003/08/20-01.62**

MB: 2003/08/20-01.62-006 — Date Extracted: 08/20/2003 12:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	08/20/2003 12:06	
Benzene	ND	0.0050	mg/Kg	08/20/2003 12:06	
Toluene	ND	0.0050	mg/Kg	08/20/2003 12:06	
Ethyl benzene	ND	0.0050	mg/Kg	08/20/2003 12:06	
Total xylenes	ND	0.0050	mg/Kg	08/20/2003 12:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/20/2003 12:06	
Surrogates(s)					
1,2-Dichloroethane-d4	92.0	70-121	%	08/20/2003 12:06	
Toluene-d8	101.2	81-117	%	08/20/2003 12:06	

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

Cambria Environmental Emeryville
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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/15-3A.62**

LCS 2003/08/15-3A.62-029 Extracted: 08/15/2003 Analyzed: 08/15/2003 22:29

LCSD 2003/08/15-3A.62-051 Extracted: 08/15/2003 Analyzed: 08/15/2003 22:51

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	61.6	59.1	50	123.2	118.2	4.1	69-129	20		
Toluene	59.4	56.8	50	118.8	113.6	4.5	70-130	20		
Methyl tert-butyl ether (MTBE)	64.4	59.4	50	128.8	118.8	8.1	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	498	477	500	99.6	95.4		70-121			
Toluene-d8	527	524	500	105.4	104.8		81-117			

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

Cambria Environmental Emeryville

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/19-1B.62**

LCS 2003/08/19-1B.62-058 Extracted: 08/19/2003 Analyzed: 08/19/2003 09:12

LCSD 2003/08/19-1B.62-059 Extracted: 08/19/2003 Analyzed: 08/19/2003 09:35

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	50.8	53.2	50	101.6	106.4	4.6	65-165	20		
Benzene	47.8	49.9	50	95.6	99.8	4.3	69-129	20		
Toluene	46.0	47.0	50	92.0	94.0	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	458	474	500	91.6	94.8		70-121			
Toluene-d8	495	514	500	99.0	102.8		81-117			

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

Cambria Environmental Emeryville

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/20-01.62**

LCS 2003/08/20-01.62-051 Extracted: 08/20/2003 Analyzed: 08/20/2003 09:51

LCSD 2003/08/20-01.62-014 Extracted: 08/20/2003 Analyzed: 08/20/2003 10:14

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	52.0	51.0	50.0	104.0	102.0	1.9	69-129	20		
Toluene	50.5	49.6	50.0	101.0	99.2	1.8	70-130	20		
Methyl tert-butyl ether (MTBE)	54.7	49.7	50.0	109.4	99.4	9.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	473	453	500	94.6	90.6		70-121			
Toluene-d8	508	504	500	101.6	100.8		81-117			

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

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Matrix Spike (MS / MSD) — **Soil** — **QC Batch # 2003/08/19-1B.62**

SB-7-10' >> MS — Lab ID: 2003-08-0306 - 001

MS: 2003/08/19-1B.62-012 — Extracted: 08/19/2003 — Analyzed: 08/19/2003 18:12 — Dilution: 1.00

MSD: 2003/08/19-1B.62-035 — Extracted: 08/19/2003 — Analyzed: 08/19/2003 18:35 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	59.3	58.9	0.165	49.1159	120.4	121.1	0.6	69-129	20		
Toluene	55.7	55.1	0.251	49.1159	112.9	113.3	0.4	70-130	20		
Methyl tert-butyl ether	60.0	63.8	0.0300	49.1159	122.1	131.2	7.2	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	477	520		500	95.4	104.0		70-121			
Toluene-d8	507	516		500	101.4	103.2		81-117			

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

Cambria Environmental Emeryville
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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Legend and Notes

Analysis Flag

o

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

SEVERN TRENT STL

Submission #: 2003-08-0306

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-7-37`	08/07/2003 10:50	Soil	7
SB-7-40`	08/07/2003 11:00	Soil	8
SB-7-45`	08/07/2003 11:10	Soil	9
SB-7-50`	08/07/2003 11:20	Soil	10

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-7-37'**	Lab ID:	2003-08-0306 - 7
Sampled:	08/07/2003 10:50	Extracted:	8/20/2003 10:59
Matrix:	Soil	QC Batch#:	2003/08/15-02.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4400	500	mg/Kg	10.00	08/20/2003 10:59	
Benzene	ND	5.0	mg/Kg	10.00	08/20/2003 10:59	
Toluene	39	5.0	mg/Kg	10.00	08/20/2003 10:59	
Ethyl benzene	61	5.0	mg/Kg	10.00	08/20/2003 10:59	
Total xylenes	440	5.0	mg/Kg	10.00	08/20/2003 10:59	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	08/20/2003 10:59	
Surrogates(s)						
1,2-Dichloroethane-d4	100.8	76-130	%	10.00	08/20/2003 10:59	
Toluene-d8	100.9	78-115	%	10.00	08/20/2003 10:59	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**SB-7-40**	Lab ID:	2003-08-0306 - 8
Sampled:	08/07/2003 11:00	Extracted:	8/21/2003 10:39
Matrix:	Soil	QC Batch#:	2003/08/15-02.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3300	500	mg/Kg	10.00	08/21/2003 10:39	
Benzene	ND	5.0	mg/Kg	10.00	08/21/2003 10:39	
Toluene	33	5.0	mg/Kg	10.00	08/21/2003 10:39	
Ethyl benzene	49	5.0	mg/Kg	10.00	08/21/2003 10:39	
Total xylenes	340	5.0	mg/Kg	10.00	08/21/2003 10:39	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	08/21/2003 10:39	
Surrogates(s)						
1,2-Dichloroethane-d4	103.9	76-130	%	10.00	08/21/2003 10:39	
Toluene-d8	103.5	78-115	%	10.00	08/21/2003 10:39	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-45	Lab ID:	2003-08-0306 - 9
Sampled:	08/07/2003 11:10	Extracted:	8/20/2003 11:43
Matrix:	Soil	QC Batch#:	2003/08/15-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	880	50	mg/Kg	1.00	08/20/2003 11:43	
Benzene	ND	0.50	mg/Kg	1.00	08/20/2003 11:43	
Toluene	6.1	0.50	mg/Kg	1.00	08/20/2003 11:43	
Ethyl benzene	8.9	0.50	mg/Kg	1.00	08/20/2003 11:43	
Total xylenes	65	0.50	mg/Kg	1.00	08/20/2003 11:43	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/20/2003 11:43	
Surrogates(s)						
1,2-Dichloroethane-d4	85.6	76-130	%	1.00	08/20/2003 11:43	
Toluene-d8	97.0	78-115	%	1.00	08/20/2003 11:43	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SB-7-50	Lab ID:	2003-08-0306 - 10
Sampled:	08/07/2003 11:20	Extracted:	8/20/2003 12:28
Matrix:	Soil	QC Batch#:	2003/08/15-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	160	50	mg/Kg	1.00	08/20/2003 12:28	
Benzene	ND	0.50	mg/Kg	1.00	08/20/2003 12:28	
Toluene	2.2	0.50	mg/Kg	1.00	08/20/2003 12:28	
Ethyl benzene	1.8	0.50	mg/Kg	1.00	08/20/2003 12:28	
Total xylenes	12	0.50	mg/Kg	1.00	08/20/2003 12:28	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	08/20/2003 12:28	
Surrogates(s)						
1,2-Dichloroethane-d4	89.3	76-130	%	1.00	08/20/2003 12:28	
Toluene-d8	98.5	78-115	%	1.00	08/20/2003 12:28	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

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

Method Blank — **QC Batch # 2003/08/15-02.62**

MB: 2003/08/15-02.62-053 — Date Extracted: 08/15/2003 10:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	08/15/2003 10:53	
Benzene	ND	0.50	mg/Kg	08/15/2003 10:53	
Toluene	ND	0.50	mg/Kg	08/15/2003 10:53	
Ethyl benzene	ND	0.50	mg/Kg	08/15/2003 10:53	
Total xylenes	ND	0.50	mg/Kg	08/15/2003 10:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	08/15/2003 10:53	
Surrogates(s)					
1,2-Dichloroethane-d4	84.4	76-130	%	08/15/2003 10:53	
Toluene-d8	97.3	78-115	%	08/15/2003 10:53	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Soil** — **QC Batch # 2003/08/15-02.62**

LCS 2003/08/15-02.62-008 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 10:08

LCSD 2003/08/15-02.62-030 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 10:30

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	9650	10500	10000	96.5	105.0	8.4	69-129	20		
Toluene	9450	10400	10000	94.5	104.0	9.6	70-130	20		
Methyl tert-butyl ether (MTBE)	8950	9650	10000	89.5	96.5	7.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	202	210	250	80.8	84.0		76-130			
Toluene-d8	238	249	250	95.2	99.6		78-115			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Legend and Notes

Analysis Flag

o

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

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

SHELL Chain Of Custody Record

76812

2003-08.0306

Shell Project Manager to be invoiced:

- ☑ SCIENCE & ENGINEERING Karen Petryna
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 8/ 7 /03

PAGE: 1 of 3

SAMPLING COMPANY: Cambria Environmental	LOG CODE:
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608	
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie	
TELEPHONE: 510-420-3339	FAX: 510-420-9170
E-MAIL: sdalie@cambria-env.com	

SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339
E-MAIL: sdalie@cambria-env.com	CONSULTANT PROJECT NO.: 245-0504-007
SAMPLER NAME(S) (Print): Stu Dalie	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 ☐

cc: lab report to sdalie@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc.. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	TAME, ETBE, DIPE	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
																									field pt ID
																									ON ICE 5.9°C
-1	SB-7-10'	8/7/03	905	soil	1	X		X	X																SB-7
-2	SB-7-15'	8/7/03	925	"	"	X		X	X																
-3	SB-7-20'	8/7/03	940	"	"	X		X	X																
-4	SB-7-25'	8/7/03	1000	"	"	X		X	X																
-5	SB-7-30'	8/7/03	1015	"	"	X		X	X																
-6	SB-7-35'	8/7/03	1020	"	"	X		X	X																
-7	SB-7-37'	8/7/03	1030	"	"	X		X	X																
-8	SB-7-40'	8/7/03	1100	"	"	X		X	X																x 0
-9	SB-7-45'	8/7/03	1110	Soil	"	X		X	X																
-10	SB-7-50'	8/9/03	1120	"	"	X		X	X																

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Steve 8/8/03 1055 Cambria Environmental, safe location, stewart Dalie	DATE 8/ 8 /3	TIME: 8:00 A.M.
[signature]		Date:	Time:
Steve 8/8/03 1620	Denise Harrington / STL-SF	Date: 8/8/03	Time: 1620

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10/16/00 Revision

SHELL Chain Of Custody Record

76812

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ CRMT HOUSTON

03.08.0306

INCIDENT NUMBER (S&E ONLY): 98996067

SAP or CRMT NUMBER (TS/CRMT): 113601

DATE: 8/7/03

PAGE: 2 of 2

SAMPLING COMPANY	LOG CODE	SITE ADDRESS (Street and City)	GLOBAL ID NO.
Cambria Environmental		1285 Bancroft Avenue, San Leandro, CA	T0600101224

ADDRESS	EDF DELIVERABLE TO (Responsible Party or Designee)	PHONE NO.	E-MAIL	CONSULTANT PROJECT NO.
5900 Hollis Street, Suite A, Emeryville, CA 94608	shelloaklandedf@cambria-env.com	510-420-3339	sdalle@cambria-env.com	245-0504-007

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	E-MAIL
Stu Dalle	510-420-3339	510-420-9170	sdalle@cambria-env.com

SAMPLER NAME(S): Stu Dalle

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:

GOAL: MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

cc: lab report to sdalle@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc.. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	TAME, ETBE, DIPE	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
11	SB-7-5.5'	8/7/03	11:30	Soil	1	X		X	X											
	SB-7-W	8/7/03	11:45	H2O	4+VOA	X		X	X	X	X	X	X							
12	SB-6-10'	8/7/03	12:00	Soil	1	X		X	X											
13	SB-6-15'	8/7/03	12:20		1	X		X	X											
14	SB-6-20'	8/7/03	12:30		1	X		X	X											
15	SB-6-25'	8/7/03	12:40		1	X		X	X											
16	SB-6-30'	8/7/03	12:50		1	X		X	X											
17	SB-6-35'	8/7/03	1:00		1	X		X	X											
18	SB-6-37'	8/7/03	1:00	Soil	1	X		X	X											
19	SB-6-40'	8/7/03	1:15	Soil	1	X		X	X											

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Sweep pt ID

ON ICE

SB-7 (10.4 ppm)

SB-6 (0.0 ppm)

Relinquished by: (Signature)	Received by: (Signature)	DATE	TIME
[signature]	Steve 8/7/03 1015 Cambria Environmental, safe location, Stewart Dalle	8/ 7 /03	1700
Relinquished by: (Signature) [signature]	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Steve 8/7/03 1620	Received by: (Signature) Denise Hamilton/STL-SF	Date: 8/8/03	Time: 1620

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TS/7540 Revision

SHELL Chain Of Custody Record

716812

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ CRMT HOUSTON

03.08.0320

INCIDENT NUMBER (S&E ONLY): 98996067

SAP or CRMT NUMBER (TS/CRMT): 136017

DATE: 8/7/03

PAGE: 3 of 3

SAMPLING COMPANY	LOG CODE	SITE ADDRESS (Street and City)	GLOBAL ID NO.
Cambria Environmental		1285 Bancroft Avenue, San Leandro, CA	T0600101224

ADDRESS	EDF DELIVERABLE TO (Responsible Party or Designee)	PHONE NO.	E-MAIL	CONSULTANT PROJECT NO.
5900 Hollis Street, Suite A, Emeryville, CA 94608	shelloaklandedf@cambria-env.com	510-420-3339	sdalle@cambria-env.com	245-0504-007

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	E-MAIL
Stu Dalle	510-420-3339	510-420-9170	sdalle@cambria-env.com

SAMPLER NAME(S): Stu Dalle

LAB USE ONLY

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

REQUESTED ANALYSIS

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY:

GOMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

cc: lab report to sdalle@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc. See notes column.

Any questions please call 510-420-3339

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

Quill pt IO

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	TAME, ETBE, DIPE	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	ON ICE
20	SB- 6-45'	8/7/03	1125	soil	1	X		X	X												
21	SB- 6-50'	8/7/03	1135	soil	1	X		X	X												
	SB-	8/7/03				X		X	X												
	SB-	8/7/03				X		X	X												
22	SB- 6-W-	8/7/03	1215	H2O	4 VOA	X		X	X	X	X	X									
	SB-	8/ /03																			
	SB-	8/ /03																			
	SB-	8/ /03																			
	SB-	8/ /03																			
	SB-	8/ /03																			

Relinquished by: (Signature)	Received by: (Signature)	DATE	TIME
[signature]	Steve 8/8/03 1015 Cambria Environmental, safe location, stewart Dalle	8/ 8 /03	8:00 A.M
[signature]	Received by: (Signature)	Date:	Time:
Fedex 8/8/03 1620	Denise Harrington / STL-SF	8/8/03	1620

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10/5/00 Revision

QEQ Scientific (714) 895-8703

SEVERN TRENT STL

Submission#: 2003-08-0305

Cambria Environmental Emeryville

August 28, 2003

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

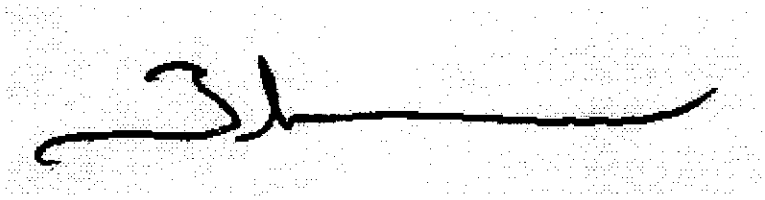
Project#: 245-0504-007
Project: 98996067
Site: 1285 Bancroft Avenue, San Leandro

Dear Mr. Dalie:

Attached is our report for your samples received on 08/08/2003 10:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/22/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-08-0305

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2-25`	08/05/2003 08:45	Soil	1
SB-2-30`	08/05/2003 09:00	Soil	2
SB-2-32`	08/05/2003 09:15	Soil	3
SB-2-40`	08/05/2003 09:40	Soil	4
SB-2-35`	08/05/2003 09:30	Soil	5
SB-2-37`	08/05/2003 09:35	Soil	6
SB-2-45`	08/05/2003 10:00	Soil	7
SB-2-50`	08/05/2003 10:15	Soil	8
SB-3-25`	08/05/2003 10:45	Soil	10
SB-3-30`	08/05/2003 11:00	Soil	11
SB-3-35`	08/05/2003 11:15	Soil	12
SB-3-37`	08/05/2003 11:30	Soil	13
SB-3-40`	08/05/2003 11:45	Soil	15
SB-3-45`	08/05/2003 12:00	Soil	16
SB-3-50`	08/05/2003 12:15	Soil	17
SB-4-25`	08/05/2003 12:45	Soil	18
SB-4-30`	08/05/2003 13:00	Soil	19
SB-4-35`	08/05/2003 13:10	Soil	20
SB-4-40`	08/05/2003 13:30	Soil	21
SB-4-45`	08/05/2003 13:45	Soil	22
SB-4-50`	08/05/2003 14:00	Soil	23
SB-4-37`	08/05/2003 13:20	Soil	24

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-25'	Lab ID:	2003-08-0305 - 1
Sampled:	08/05/2003 08:45	Extracted:	8/14/2003 02:37
Matrix:	Soil	QC Batch#:	2003/08/13-2A.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/14/2003 02:37	
Benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:37	
Toluene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/14/2003 02:37	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/14/2003 02:37	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/14/2003 02:37	
Surrogate(s)						
1,2-Dichloroethane-d4	113.3	70-121	%	1.00	08/14/2003 02:37	
Toluene-d8	98.3	81-117	%	1.00	08/14/2003 02:37	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-30	Lab ID:	2003-08-0305 - 2
Sampled:	08/05/2003 09:00	Extracted:	8/15/2003 20:15
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 20:15	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:15	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:15	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:15	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 20:15	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 20:15	
Surrogate(s)						
1,2-Dichloroethane-d4	93.0	70-121	%	1.00	08/15/2003 20:15	
Toluene-d8	101.8	81-117	%	1.00	08/15/2003 20:15	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-2-32'**	Lab ID:	2003-08-0305 - 3
Sampled:	08/05/2003 09:15	Extracted:	8/15/2003 01:13
Matrix:	Soil	QC Batch#:	2003/08/14-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 01:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 01:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 01:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 01:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 01:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 01:13	
Surrogate(s)						
1,2-Dichloroethane-d4	91.0	70-121	%	1.00	08/15/2003 01:13	
Toluene-d8	99.0	81-117	%	1.00	08/15/2003 01:13	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-2-40**	Lab ID:	2003-08-0305 - 4
Sampled:	08/05/2003 09:40	Extracted:	8/15/2003 20:37
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 20:37	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:37	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 20:37	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 20:37	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 20:37	
Surrogate(s)						
1,2-Dichloroethane-d4	99.7	70-121	%	1.00	08/15/2003 20:37	
Toluene-d8	101.0	81-117	%	1.00	08/15/2003 20:37	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-35'	Lab ID:	2003-08-0305 - 5
Sampled:	08/05/2003 09:30	Extracted:	8/15/2003 21:00
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 21:00	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 21:00	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 21:00	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 21:00	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 21:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 21:00	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	70-121	%	1.00	08/15/2003 21:00	
Toluene-d8	106.7	81-117	%	1.00	08/15/2003 21:00	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-2-37**	Lab ID:	2003-08-0305 - 6
Sampled:	08/05/2003 09:35	Extracted:	8/15/2003 19:30
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 19:30	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:30	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:30	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 19:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 19:30	
Surrogate(s)						
1,2-Dichloroethane-d4	91.6	70-121	%	1.00	08/15/2003 19:30	
Toluene-d8	102.8	81-117	%	1.00	08/15/2003 19:30	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-45'	Lab ID:	2003-08-0305 - 7
Sampled:	08/05/2003 10:00	Extracted:	8/15/2003 01:58
Matrix:	Soil	QC Batch#:	2003/08/14-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 01:58	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 01:58	
Toluene	0.012	0.0050	mg/Kg	1.00	08/15/2003 01:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 01:58	
Total xylenes	0.023	0.0050	mg/Kg	1.00	08/15/2003 01:58	
Methyl tert-butyl ether (MTBE)	0.088	0.0050	mg/Kg	1.00	08/15/2003 01:58	
Surrogate(s)						
1,2-Dichloroethane-d4	97.8	70-121	%	1.00	08/15/2003 01:58	
Toluene-d8	100.2	81-117	%	1.00	08/15/2003 01:58	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-2-50'**	Lab ID:	2003-08-0305 - 8
Sampled:	08/05/2003 10:15	Extracted:	8/15/2003 02:20
Matrix:	Soil	QC Batch#:	2003/08/14-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 02:20	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 02:20	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 02:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 02:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 02:20	
Methyl tert-butyl ether (MTBE)	0.050	0.0050	mg/Kg	1.00	08/15/2003 02:20	
Surrogate(s)						
1,2-Dichloroethane-d4	91.8	70-121	%	1.00	08/15/2003 02:20	
Toluene-d8	97.1	81-117	%	1.00	08/15/2003 02:20	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-25'	Lab ID:	2003-08-0305-10
Sampled:	08/05/2003 10:45	Extracted:	8/15/2003 19:53
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 19:53	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:53	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:53	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 19:53	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 19:53	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 19:53	
Surrogate(s)						
1,2-Dichloroethane-d4	93.6	70-121	%	1.00	08/15/2003 19:53	
Toluene-d8	102.7	81-117	%	1.00	08/15/2003 19:53	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-30	Lab ID:	2003-08-0305 - 11
Sampled:	08/05/2003 11:00	Extracted:	8/15/2003 03:05
Matrix:	Soil	QC Batch#:	2003/08/14-1C.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 03:05	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 03:05	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 03:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 03:05	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 03:05	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 03:05	
Surrogate(s)						
1,2-Dichloroethane-d4	101.0	70-121	%	1.00	08/15/2003 03:05	
Toluene-d8	103.8	81-117	%	1.00	08/15/2003 03:05	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-35**	Lab ID:	2003-08-0305 - 12
Sampled:	08/05/2003 11:15	Extracted:	8/15/2003 12:00
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 12:00	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:00	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:00	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:00	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 12:00	
Surrogate(s)						
1,2-Dichloroethane-d4	97.8	70-121	%	1.00	08/15/2003 12:00	
Toluene-d8	102.8	81-117	%	1.00	08/15/2003 12:00	

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

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Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-37'**	Lab ID:	2003-08-0305 - 13
Sampled:	08/05/2003 11:30	Extracted:	8/15/2003 12:22
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 12:22	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:22	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 12:22	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 12:22	
Surrogate(s)						
1,2-Dichloroethane-d4	97.1	70-121	%	1.00	08/15/2003 12:22	
Toluene-d8	103.3	81-117	%	1.00	08/15/2003 12:22	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-40**	Lab ID:	2003-08-0305 - 15
Sampled:	08/05/2003 11:45	Extracted:	8/15/2003 12:44
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 12:44	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:44	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 12:44	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 12:44	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 12:44	
Surrogate(s)						
1,2-Dichloroethane-d4	99.2	70-121	%	1.00	08/15/2003 12:44	
Toluene-d8	102.9	81-117	%	1.00	08/15/2003 12:44	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-45'**	Lab ID:	2003-08-0305 - 16
Sampled:	08/05/2003 12:00	Extracted:	8/15/2003 13:06
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 13:06	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:06	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:06	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:06	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 13:06	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 13:06	
Surrogate(s)						
1,2-Dichloroethane-d4	97.4	70-121	%	1.00	08/15/2003 13:06	
Toluene-d8	103.5	81-117	%	1.00	08/15/2003 13:06	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-50'**	Lab ID:	2003-08-0305 - 17
Sampled:	08/05/2003 12:15	Extracted:	8/15/2003 13:29
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 13:29	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:29	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:29	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:29	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 13:29	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 13:29	
Surrogate(s)						
1,2-Dichloroethane-d4	99.3	70-121	%	1.00	08/15/2003 13:29	
Toluene-d8	105.1	81-117	%	1.00	08/15/2003 13:29	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-4-25'	Lab ID:	2003-08-0305 - 18
Sampled:	08/05/2003 12:45	Extracted:	8/15/2003 13:51
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 13:51	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:51	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 13:51	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 13:51	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 13:51	
Surrogate(s)						
1,2-Dichloroethane-d4	100.3	70-121	%	1.00	08/15/2003 13:51	
Toluene-d8	104.3	81-117	%	1.00	08/15/2003 13:51	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-4-30	Lab ID:	2003-08-0305 - 19
Sampled:	08/05/2003 13:00	Extracted:	8/15/2003 14:13
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 14:13	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:13	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:13	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:13	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 14:13	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 14:13	
Surrogate(s)						
1,2-Dichloroethane-d4	102.3	70-121	%	1.00	08/15/2003 14:13	
Toluene-d8	103.7	81-117	%	1.00	08/15/2003 14:13	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-4-35**	Lab ID:	2003-08-0305 - 20
Sampled:	08/05/2003 13:10	Extracted:	8/15/2003 14:35
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 14:35	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:35	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:35	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:35	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 14:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 14:35	
Surrogate(s)						
1,2-Dichloroethane-d4	94.2	70-121	%	1.00	08/15/2003 14:35	
Toluene-d8	104.5	81-117	%	1.00	08/15/2003 14:35	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-4-40'**	Lab ID:	2003-08-0305 - 21
Sampled:	08/05/2003 13:30	Extracted:	8/15/2003 14:58
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 14:58	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:58	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 14:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 14:58	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 14:58	
Surrogate(s)						
1,2-Dichloroethane-d4	95.4	70-121	%	1.00	08/15/2003 14:58	
Toluene-d8	101.5	81-117	%	1.00	08/15/2003 14:58	

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

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Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-4-45**	Lab ID:	2003-08-0305-22
Sampled:	08/05/2003 13:45	Extracted:	8/15/2003 15:20
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 15:20	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:20	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:20	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:20	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 15:20	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 15:20	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	70-121	%	1.00	08/15/2003 15:20	
Toluene-d8	103.3	81-117	%	1.00	08/15/2003 15:20	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-4-50'**	Lab ID:	2003-08-0305-23
Sampled:	08/05/2003 14:00	Extracted:	8/15/2003 15:42
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 15:42	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:42	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:42	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 15:42	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 15:42	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 15:42	
Surrogate(s)						
1,2-Dichloroethane-d4	93.7	70-121	%	1.00	08/15/2003 15:42	
Toluene-d8	98.8	81-117	%	1.00	08/15/2003 15:42	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-4-37	Lab ID:	2003-08-0305 - 24
Sampled:	08/05/2003 13:20	Extracted:	8/15/2003 16:05
Matrix:	Soil	QC Batch#:	2003/08/15-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/15/2003 16:05	
Benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 16:05	
Toluene	ND	0.0050	mg/Kg	1.00	08/15/2003 16:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/15/2003 16:05	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/15/2003 16:05	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/15/2003 16:05	
Surrogate(s)						
1,2-Dichloroethane-d4	100.7	70-121	%	1.00	08/15/2003 16:05	
Toluene-d8	101.8	81-117	%	1.00	08/15/2003 16:05	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Soil — Test(s): 8260FAB

Method Blank — **QC Batch # 2003/08/13-2A.65**

MB: 2003/08/13-2A.65-030 — Date Extracted: 08/13/2003 19:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	08/13/2003 19:30	
Benzene	ND	0.0050	mg/Kg	08/13/2003 19:30	
Toluene	ND	0.0050	mg/Kg	08/13/2003 19:30	
Ethyl benzene	ND	0.0050	mg/Kg	08/13/2003 19:30	
Total xylenes	ND	0.0050	mg/Kg	08/13/2003 19:30	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/13/2003 19:30	
Surrogates(s)					
1,2-Dichloroethane-d4	87.8	70-121	%	08/13/2003 19:30	
Toluene-d8	103.6	81-117	%	08/13/2003 19:30	

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

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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Soil** — **QC Batch # 2003/08/14-1C.62**

MB: 2003/08/14-1C.62-057 — Date Extracted: 08/14/2003 09:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	ug/Kg	08/14/2003 09:57	
Benzene	ND	0.0050	ug/Kg	08/14/2003 09:57	
Toluene	ND	0.0050	ug/Kg	08/14/2003 09:57	
Ethyl benzene	ND	0.0050	ug/Kg	08/14/2003 09:57	
Total xylenes	ND	0.0050	ug/Kg	08/14/2003 09:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	ug/Kg	08/14/2003 09:57	
Surrogates(s)					
1,2-Dichloroethane-d4	99.1	70-121	%	08/14/2003 09:57	
Toluene-d8	101.4	81-117	%	08/14/2003 09:57	

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

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Project: 245-0504-007
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Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Soil** — **QC Batch # 2003/08/15-01.62**

MB: 2003/08/15-01.62-047 — Date Extracted: 08/15/2003 09:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	08/15/2003 09:46	
Benzene	ND	0.0050	mg/Kg	08/15/2003 09:46	
Toluene	ND	0.0050	mg/Kg	08/15/2003 09:46	
Ethyl benzene	ND	0.0050	mg/Kg	08/15/2003 09:46	
Total xylenes	ND	0.0050	mg/Kg	08/15/2003 09:46	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/15/2003 09:46	
Surrogates(s)					
1,2-Dichloroethane-d4	91.8	70-121	%	08/15/2003 09:46	
Toluene-d8	99.8	81-117	%	08/15/2003 09:46	

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/13-2A.65**

LCS 2003/08/13-2A.65-045 Extracted: 08/13/2003 Analyzed: 08/13/2003 18:45

LCSD 2003/08/13-2A.65-008 Extracted: 08/13/2003 Analyzed: 08/13/2003 19:08

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	52.0	58.5	50	104.0	117.0	11.8	69-129	20		
Toluene	52.3	57.4	50	104.6	114.8	9.3	70-130	20		
Methyl tert-butyl ether (MTBE)	45.0	49.5	50	90.0	99.0	9.5	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	468	461	500	93.6	92.2		70-121			
Toluene-d8	532	529	500	106.4	105.8		81-117			

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/14-1C.62**

LCS 2003/08/14-1C.62-014 Extracted: 08/14/2003 Analyzed: 08/14/2003 09:14

LCSD 2003/08/14-1C.62-035 Extracted: 08/14/2003 Analyzed: 08/14/2003 09:35

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	50.5	49.5	50	101.0	99.0	2.0	69-129	20		
Toluene	48.1	49.1	50	96.2	98.2	2.1	70-130	20		
Methyl tert-butyl ether (MTBE)	51.9	55.8	50	103.8	111.6	7.2	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	491	502	500	98.2	100.4		70-121			
Toluene-d8	498	501	500	99.6	100.2		81-117			

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/15-01.62**

LCS 2003/08/15-01.62-001 Extracted: 08/15/2003 Analyzed: 08/15/2003 09:01

LCSD 2003/08/15-01.62-024 Extracted: 08/15/2003 Analyzed: 08/15/2003 09:24

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	45.4	44.6	50.0	90.8	89.2	1.8	69-129	20		
Toluene	43.3	44.3	50.0	86.6	88.6	2.3	70-130	20		
Methyl tert-butyl ether (MTBE)	44.4	45.0	50.0	88.8	90.0	1.3	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	468	469	500	93.6	93.8		70-121			
Toluene-d8	514	502	500	102.8	100.4		81-117			

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Matrix Spike (MS / MSD) — **Soil** — **QC Batch # 2003/08/15-01.62**

SB-4-25 >> MS — Lab ID: 2003-08-0305 - 018

MS: 2003/08/15-01.62-046 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 18:46 — Dilution: 1.00

MSD: 2003/08/15-01.62-008 — Extracted: 08/15/2003 — Analyzed: 08/15/2003 19:08 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	60.4	58.8	ND	48.4	124.8	120.2	3.8	69-129	20		
Toluene	57.6	58.1	0.141	48.4	118.7	118.5	0.2	70-130	20		
Methyl tert-butyl ether	63.7	61.0	ND	48.4	131.6	124.7	5.4	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	488	488		500	97.6	97.6		70-121			
Toluene-d8	529	520		500	105.8	104.0		81-117			

SEVERN TRENT STL

Submission #: 2003-08-0305

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-2-W	08/05/2003 10:20	Water	9
SB-3-W	08/05/2003 12:20	Water	14
SB-4-W	08/05/2003 14:15	Water	25

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-2-W**	Lab ID:	2003-08-0305 - 9
Sampled:	08/05/2003 10:20	Extracted:	8/17/2003 14:14
Matrix:	Water	QC Batch#:	2003/08/17-1B.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	08/17/2003 14:14	
Benzene	ND	50	ug/L	100.00	08/17/2003 14:14	
Toluene	ND	50	ug/L	100.00	08/17/2003 14:14	
Ethylbenzene	ND	50	ug/L	100.00	08/17/2003 14:14	
Total xylenes	ND	100	ug/L	100.00	08/17/2003 14:14	
tert-Butyl alcohol (TBA)	ND	500	ug/L	100.00	08/17/2003 14:14	
Methyl tert-butyl ether (MTBE)	2000	50	ug/L	100.00	08/17/2003 14:14	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	08/17/2003 14:14	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	08/17/2003 14:14	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	08/17/2003 14:14	
1,2-DCA	ND	50	ug/L	100.00	08/17/2003 14:14	
EDB	ND	50	ug/L	100.00	08/17/2003 14:14	
Ethanol	ND	5000	ug/L	100.00	08/17/2003 14:14	
Surrogates(s)						
1,2-Dichloroethane-d4	97.0	76-130	%	100.00	08/17/2003 14:14	
Toluene-d8	106.8	78-115	%	100.00	08/17/2003 14:14	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-3-W**	Lab ID:	2003-08-0305 - 14
Sampled:	08/05/2003 12:20	Extracted:	8/17/2003 14:36
Matrix:	Water	QC Batch#:	2003/08/17-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	63	50	ug/L	1.00	08/17/2003 14:36	g
Benzene	ND	0.50	ug/L	1.00	08/17/2003 14:36	
Toluene	ND	0.50	ug/L	1.00	08/17/2003 14:36	
Ethylbenzene	ND	0.50	ug/L	1.00	08/17/2003 14:36	
Total xylenes	3.6	1.0	ug/L	1.00	08/17/2003 14:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/17/2003 14:36	
Methyl tert-butyl ether (MTBE)	3.5	0.50	ug/L	1.00	08/17/2003 14:36	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/17/2003 14:36	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/17/2003 14:36	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/17/2003 14:36	
1,2-DCA	ND	0.50	ug/L	1.00	08/17/2003 14:36	
EDB	ND	0.50	ug/L	1.00	08/17/2003 14:36	
Ethanol	ND	50	ug/L	1.00	08/17/2003 14:36	
Surrogates(s)						
1,2-Dichloroethane-d4	90.9	76-130	%	1.00	08/17/2003 14:36	
Toluene-d8	105.7	78-115	%	1.00	08/17/2003 14:36	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**SB-4-W**	Lab ID:	2003-08-0305 - 25
Sampled:	08/05/2003 14:15	Extracted:	8/17/2003 14:58
Matrix:	Water	QC Batch#:	2003/08/17-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/17/2003 14:58	
Benzene	ND	0.50	ug/L	1.00	08/17/2003 14:58	
Toluene	ND	0.50	ug/L	1.00	08/17/2003 14:58	
Ethylbenzene	ND	0.50	ug/L	1.00	08/17/2003 14:58	
Total xylenes	1.7	1.0	ug/L	1.00	08/17/2003 14:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/17/2003 14:58	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/17/2003 14:58	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/17/2003 14:58	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/17/2003 14:58	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/17/2003 14:58	
1,2-DCA	ND	0.50	ug/L	1.00	08/17/2003 14:58	
EDB	ND	0.50	ug/L	1.00	08/17/2003 14:58	
Ethanol	ND	50	ug/L	1.00	08/17/2003 14:58	
Surrogates(s)						
1,2-Dichloroethane-d4	92.6	76-130	%	1.00	08/17/2003 14:58	
Toluene-d8	102.8	78-115	%	1.00	08/17/2003 14:58	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/08/17-1B.62**

MB: 2003/08/17-1B.62-031 — Date Extracted: 08/17/2003 10:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/17/2003 10:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/17/2003 10:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/17/2003 10:31	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/17/2003 10:31	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/17/2003 10:31	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/17/2003 10:31	
1,2-DCA	ND	0.5	ug/L	08/17/2003 10:31	
EDB	ND	0.5	ug/L	08/17/2003 10:31	
Benzene	ND	0.5	ug/L	08/17/2003 10:31	
Toluene	ND	0.5	ug/L	08/17/2003 10:31	
Ethylbenzene	ND	0.5	ug/L	08/17/2003 10:31	
Total xylenes	ND	1.0	ug/L	08/17/2003 10:31	
Ethanol	ND	50	ug/L	08/17/2003 10:31	
Surrogates(s)					
1,2-Dichloroethane-d4	87.7	76-130	%	08/17/2003 10:31	
Toluene-d8	99.4	78-115	%	08/17/2003 10:31	

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

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — **Water** — **QC Batch # 2003/08/17-1B.62**

LCS 2003/08/17-1B.62-046 — Extracted: 08/17/2003 — Analyzed: 08/17/2003 09:46
LCSD 2003/08/17-1B.62-009 — Extracted: 08/17/2003 — Analyzed: 08/17/2003 10:09

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.4	25.7	25	105.6	102.8	2.7	65-165	20		
Benzene	26.8	27.3	25	107.2	109.2	1.8	69-129	20		
Toluene	25.9	26.3	25	103.6	105.2	1.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	449	440	500	89.8	88.0		76-130			
Toluene-d8	500	502	500	100.0	100.4		78-115			

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

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170

Project: 245-0504-007
98996067

Received: 08/08/2003 10:35

Site: 1285 Bancroft Avenue, San Leandro

Legend and Notes

Analysis Flag

o

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

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

STL-San Francisco

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

SHELL Chain Of Custody Record

76814

2003.08.0305

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): [redacted] 1 3 6 0 1 7

DATE: 8/ 5 /03

PAGE: 1 of 3

SAMPLING COMPANY: Cambria Environmental

LOG CODE:

SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA

GLOBAL ID NO.: T0600101224

ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com

PHONE NO.: 510-420-3339

E-MAIL: sdalie@cambria-env.com

CONSULTANT PROJECT NO.: 245-0504-007

PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie

SAMPLER NAME(S): Stu Dalie

TELEPHONE: 510-420-3339 FAX: 510-420-9170 E-MAIL: sdalie@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 ☐

cc: lab report to sdalie@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc.. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	TAME, ETBE, DIPE	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						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes Field Point ID ON ICE 5.9°C
1	SB-2-25'	8/5/03	8:45	soil	1	X		X	X																	SB-2
2	SB-2-30'	8/5/03	9:00	Soil	1	X		X	X																	
3	SB-2-32'	8/6/03	9:15	Soil	1	X		X	X																	
4	SB-2-40'	8/5/03	9:40	Soil	1	X		X	X																	
5	SB-2-35'	8/5/03	9:36	Soil	1	X		X	X																	
6	SB-2-37'	8/5/03	9:35	Soil	1	X		X	X																	
7	SB-2-45'	8/5/03	10:00	Soil	1	X		X	X																	
8	SB-2-50'	8/5/03	10:15	Soil	1	X		X	X																	
9	SB-2-W	8/5/03	10:20	H2O	4 wk	X		X	X	X	X	X	X													
	SB-	8/ /03																								

Relinquished by: (Signature) [signature]
Received by: (Signature) Steve 8/5/03 1035 — Cambria Environmental, safe location, steward Dalie
DATE 8/ 8 /03 TIME: 8:00 A.M.

Relinquished by: (Signature) [signature]
Received by: (Signature)
Date: Time:

Relinquished by: (Signature) Steve 8/8/03 1620
Received by: (Signature) Denise Harrington / STL-SF
Date: 8/8/03 Time: 1620

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

10/16/00 Revision

G&O Graphic (714) 533-9702

SHELL Chain Of Custody Record

768814

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ GMRT HOUSTON

03.08.0305

INCIDENT NUMBER (S&E ONLY): 98996067

SAP or GMRT NUMBER (TS/GMRT): [redacted]136017

DATE: 8/5/03

PAGE: 2 of 3

SAMPLING COMPANY: Cambria Environmental		SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Responsible Person Designee): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalle		E-MAIL: sdalle@cambria-env.com	CONSULTANT PROJECT NO.: 245-0504-007
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalle@cambria-env.com	

SAMPLER NAME(S): Stu Dalle

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 ☐

cc: lab report to sdalle@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	IBA	TAME, ETBE, DIPE	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
-10	SB- -3 -25'	8/5/03	1045	soil	1	X		X	X												Soil point ID
-11	SB- -3 -30'	8/5/03	1100	Soil	1	X		X	X												
-12	SB- -3 -35'	8/5/03	1115	Soil	1	X		X	X												
-13	SB- -3 -37'	8/5/03	1130	Soil	1	X		X	X												
-14	SB- -3 -W	8/5/03	1210	H2O	VOA	X		X	X	X	X	X	X								
-15	SB- -3 -40'	8/5/03	1145	Soil	1	X		X	X												
-16	SB- -3 -45'	8/5/03	1200	Soil	1	X		X	X												
-17	SB- -3 -50'	8/5/03	1215	Soil	1	X		X	X												
	SB-	8/ /03																			
	SB-	8/ /03																			

ON ICE

SB-3

Relinquished by: (Signature)	Received by: (Signature) Steve 8/8/03 1055 Cambria Environmental, safe location, stewart Dalle	DATE 8/ /03	TIME: AM/PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Steve 8/8/03 1620	Received by: (Signature) Mercedes Lawrence / STL-SF	Date: 8/8/03	Time: 1620

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D&O Graphics (714) 891-8702

10/10/00 Revision

SHELL Chain Of Custody Record

76814

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ GMT HOUSTON

03.08.0305

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): 1 3 6 0 1 7

DATE: 8/ 5 /03

PAGE: 3 of 3

SAMPLING COMPANY: Cambria Environmental

LOG CODE:

SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA

GLOBAL ID NO.: T0600101224

ADDRESS: 5900 Hollis Street; Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee): shelloaklandedf@cambria-env.com

PHONE NO.: 510-420-3339

E-MAIL: sdalie@cambria-env.com

CONSULTANT PROJECT NO.: 245-0504-007

PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalie

TELEPHONE: 510-420-3339

FAX: 510-420-9170

E-MAIL: sdalie@cambria-env.com

SAMPLER NAME(S): Stu Dalie

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:

GEOTRACKER EDF REQUIRED? ☐ YES ☐ NO

GOMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

cc: lab report to sdalie@cambria-env & mmunz@cambria-env.com

please name all field points in each set SB-1, SB-2 etc. See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	BA	TAME, ETBE, DIPE	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
19	SB-4-25'	8/5/03	1225	soil	1	X		X	X											
19	SB-4-30'	8/5/03	1230	soil	1	X		X	X											
20	SB-4-35'	8/5/03	1310	soil	1	X		X	X											
21	SB-4-40'	8/5/03	1330	soil	1	X		X	X											
22	SB-4-45'	8/5/03	1345	soil	1	X		X	X											
23	SB-4-50'	8/5/03	1400	soil	1	X		X	X											
24	SB-4-37'	8/5/03	1420	soil	1	X		X	X											
25	SB-	8/5/03		soil																
26	SB-4-W	8/5/03	1425	H2O	4 VOA	X		X	X	X	X	X	X							
	SB-	8/ /03																		

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

Sample point ID

ON ICE

SB-4

Relinquished by: (Signature)	Received by: (Signature) Steve 8/8/03 1035 Cambria Environmental, sub-location: Stewart Dalie	DATE 8/ 8 /03	TIME 8:00 A.M.
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Steve 8/8/03 1620	Received by: (Signature) Denise Harrington /STL-SF	Date: 8/8/03	Time: 1620

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10/1999 Revision

O&Q Graphic (714) 639-2702

Waste Disposal Samples

Total Lead

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 16:20

Site: 1285 Bancroft Ave., San Leandro

Prep(s):	3050B	Test(s):	6010B
Sample ID:	**SP-1 COMPOSITE**	Lab ID:	2003-08-0298 - 1
Sampled:	08/07/2003 16:30	Extracted:	8/11/2003 18:26
Matrix:	Soil	QC Batch#:	2003/08/11-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.7	1.0	mg/Kg	1.00	08/12/2003 22:28	

Total Lead

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 16:20

Site: 1285 Bancroft Ave., San Leandro

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Method Blank — **Soil** — **QC Batch # 2003/08/11-04.15**

MB: 2003/08/11-04.15-038 — Date Extracted: 08/11/2003 18:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	08/12/2003 20:56	

Total Lead

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 245-0504-007
98996067

Received: 08/08/2003 16:20

Site: 1285 Bancroft Ave., San Leandro

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike | **Soil** | **QC Batch # 2003/08/11-04.15**

LCS 2003/08/11-04.15-039 Extracted: 08/11/2003 Analyzed: 08/12/2003 21:00

LCSD 2003/08/11-04.15-040 Extracted: 08/11/2003 Analyzed: 08/12/2003 21:04

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	91.7	88.3	100.0	91.7	88.3	3.8	80-120	20		

SHELL Chain Of Custody Record

76815

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna

☐ TECHNICAL SERVICES

☐ CRMT HOUSTON

2003-08-0298

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 6 0 6 7

SAP or CRMT NUMBER (TS/CRMT): 1 3 6 0 1 7

DATE: 8/7/03

PAGE: 1 of 2

SAMPLING COMPANY: Cambria Environmental	LOG CODE:	SITE ADDRESS (Street and City): 1285 Bancroft Avenue, San Leandro, CA	GLOBAL ID NO.: T0600101224
ADDRESS: 5900 Hollis Street; Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Responsible Party or Designate): shelloaklandedf@cambria-env.com	PHONE NO.: 510-420-3339
PROJECT CONTACT (Hardcopy or PDF Report to): Stu Dalle		EMAIL: sdalle@cambria-env.com	CONSULTANT PROJECT NO.: 245-0504-007
TELEPHONE: 510-420-3339	FAX: 510-420-9170	E-MAIL: sdalle@cambria-env.com	SAMPLER NAME(S): Stu Dalle

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:

GCAMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

cc: lab report to sdalle@cambria-env & mmunz@cambria-env.com

please name all field point SP-1 ...See notes column.

Any questions please call 510-420-3339

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	tBA	TAME, ETBE, DIPE	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	Waste analysis, see attached sheet						
	SP-1A	8/7/03	1430	soil	1	X		X												X						
	SP-1B	8/7/03	1430	soil	1	X		X												X						
	SP-1C	8/7/03	1430	soil	1	X		X												X						
	SP-1D	8/7/03	1430	soil	1	X		X												X						

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Shell Point

SP-1

ON ICE

5.9°C

Relinquished by: (Signature)	Received by: (Signature) Steve 8/8/03 1055 Cambria Environmental, safe location, stewart Dalle/	DATE 8/8/03	TIME: 8:00 A.M
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Steve 8/8/03 1650	Received by: (Signature) Dennis Harrington / STL-SF	Date: 8/8/03	Time: 1620

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10/1/600 Revision

QSG Graphic (714) 895-9702

RESIDUAL MANAGEMENT PROCEDURE

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

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

CALIFORNIA - TRANSPORTATION AND RETAIL

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

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

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 – GASOLINE

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

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

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

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

ATTACHMENT F

Site Conceptual Model

SITE CONCEPTUAL MODEL
1285 Bancroft, San Leandro
Cambria Environmental Technology, Inc.
October 21, 2003

Site Address:	1285 Bancroft Avenue	**Incident Number:**	98996067
City:	San Leandro, CA	**Regulator:**	Alameda County Health Care Services Agency

Item	Evaluation Criteria	Comments/Discussion
1	**Hydrocarbon Source**	
1.1	Identify/Describe Release Source and Volume (if known)	In November 1986, Petroleum Engineering of Santa Rosa, California removed a 550-gallon waste-oil tank and installed a new 550-gallon fiberglass tank in the former tank pit. Immediately following the tank removal, Blaine Tech Services (BTS) of San Jose, California collected soil samples beneath the former tank location at nine feet below grade (fbg). The soil samples contained 83 parts per million (ppm) petroleum oil and grease and 583 ppm total oil and grease (TOG). After additional excavation, BTS collected another soil sample at 9.5 fbg, which contained 89 ppm TOG. No groundwater was encountered in the tankpit. The volume of release is unknown.
1.2	Discuss Steps Taken to Stop Release	Additional excavation following waste oil tank removal in 1986.
2	**Site Characterization**	
2.1	Current Site Use/Status	The operating Shell-branded service station is located at the northwest corner of Bancroft and Estudillo Avenues in San Leandro, California (Figures 1 and 2). There are three underground gasoline storage tanks, a 550-gallon waste-oil tank and four dispensers on two dispenser islands at the site. The waste-oil tank was replaced in 1986; Dispensers were replaced in 1995.
2.2	Soil Definition Status	With the exception of soil samples collected during the installation of monitoring well MW-2 in 1992, chemical concentrations in unsaturated soil samples have been very low to non-detectable. Based on the groundwater depths during sample collection, the hydrocarbon and/or MTBE impacted samples were likely to have been saturated or within the capillary fringe, suggesting that the results may be more indicative of chemical concentrations in groundwater.
2.3	Separate-Phase Hydrocarbon Definition Status	No separate-phase hydrocarbons have been reported at the site.
2.4	Groundwater Definition Status (BTEX)	BTEX concentrations in soil and groundwater appear to be defined in all directions except to the north and east of the site where no investigation has been conducted to date.

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

Item	Evaluation Criteria	Comments/Discussion
2.5	BTEX Plume Stability and Concentration Trends	Hydrocarbon concentrations decrease to non-detectable concentrations at the northwest boundary of the site (MW-7) and within 65 feet offsite to the southwest (SB-2, SB-3, SB-4). Although hydrocarbons have been detected near the southeastern boundary of the site (SB-7), hydrocarbons are not detected 65 feet southeast of the site (MW-8). Onsite concentrations (MW-2, MW-3 and MW-5) are fluctuating, however exhibit a decreasing trend over time. The proportion of TPHg and BTEX concentrations in these wells suggest weathered gasoline and that no new liquid fuel release has occurred at the site.
2.6	Groundwater Definition Status (MTBE)	Based on the results of the August 2003 investigation and quarterly monitoring data, MTBE in groundwater is primarily onsite, however the MTBE plume is not defined offsite. The highest chemical concentrations in groundwater detected in the investigation were in onsite boring SB-7, located near the former dispensers that were removed in 1995. This result is consistent with quarterly monitoring results that indicate the highest concentrations in well MW-5, located southwest of the USTs. Low concentrations of hydrocarbons and MTBE have been detected in groundwater from the northernmost, crossgradient soil boring (SB-6) and the easternmost, upgradient, monitoring well (MW-2). Offsite, chemical concentrations in grab groundwater samples were low to non-detectable with the exception of groundwater from boring SB-2, which contained 2,000 ppb MTBE. Saturated soil samples SB-2-45' and SB-2-50' contained detectable concentrations of MTBE while all shallower soil samples did not contain detectable MTBE, suggesting that the MTBE plume may be submerged at or below 45 fbg in this area. MTBE has been detected in groundwater to the northwest (MW-7), southeast (MW-8) and southwest (SB-2, SB-3, SB-4) of the site.
2.7	MTBE Plume Stability and Concentration Trends	Onsite, MTBE concentrations in wells MW-3 and MW-5 are fluctuating and exhibit an increasing trend over time. However, as of January 1, 2003, MTBE is no longer included in the formulation of Shell gasoline, and since there is no suspected ongoing source, the currently observed concentrations are expected to attenuate naturally over time. Offsite, MTBE concentrations in well MW-6, near the western boundary of the site, are decreasing. MTBE concentrations are low to non-detect in MW-7, near the northwestern boundary of the site. Although concentrations in MW-8, located 65 feet southeast of the site, are below 500 ppb, the trend appears to be increasing.

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

Item	Evaluation Criteria	Comments/Discussion
2.8	Groundwater Flow Direction, Depth Trends and Gradient Trends	Groundwater at the site ranged from approximately 33 to 37 fbg in the July 2003, and the shallowest recorded depth to water was 23.2 fbg in July 1999. The prevailing groundwater flow direction is to the west at a gradient of approximately 0.004 feet per foot.
2.9a	Regional Geology	Sediments in the site vicinity are Quarternary alluvial deposits derived from Mesozoic marine and Pliocene and Mesozoic intrusive rocks of the Diablo Range. The Hayward Fault Zone is less than one mile east of the site.
2.9b	Topography	The site is located approximately 0.75 miles west of the San Leandro Hills and approximately 500 feet south of San Leandro Creek. The site is approximately 67 feet above mean sea level and slopes very gently towards San Francisco Bay to the west.
2.9c	Stratigraphy and Hydrogeology	The site is underlain by a layer of light brown, moist, gravelly, sandy fill of high estimated permeability to an approximate depth of 2 fbg; the fill is underlain by brown to dark brown sand which is interbedded by one foot to eight and a half feet thick beds of light brown to grey/brown, silty sand to approximately 39 fbg. A sandy gravel lens was encountered in a previous investigation at approximately 37 to 42 fbg in all borings except for MW-7. Clayey sands extend beneath the sandy gravel to the total previously explored depth of 50 fbg.
2.10	Preferential Pathways Analysis	The distance and direction to sensitive receptors nearest the site have been shown on the quarterly groundwater contour maps since the second quarter of 2002. The nearest receptor well is an irrigation well 150 feet northwest of the site that is included in the quarterly sampling scope since the second quarter of 1999. No hydrocarbons or oxygenates had been detected in that well until July 2003, at which time 0.64 ppb MTBE were detected. Utilities are not typically buried deeper than the shallowest recorded depth to water (23.2 fbg, recorded in July 1999) and therefore it is highly unlikely that utility trenches within and near the site and plume areas could be serving as preferential pathways for chemical migration in groundwater.
2.11	Other Pertinent Issues	
3	Remediation Status	

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

Item	Evaluation Criteria	Comments/Discussion
3.1	Remedial Actions Taken	Oxygen Releasing Compounds (ORCs) were installed in wells MW-2 and MW-3 from October 1997 through January 22, 1999. ORCs were removed due to concern by ACHCSA that the ORCs were masking the true hydrocarbon concentrations in the aquifer. Since November 1999, Cambria has conducted monthly mobile dual-phase vacuum extraction (DVE) using wells MW-5 and MW-6, extracting groundwater and vapors for approximately three hours from each well. DVE is the process of applying high vacuum (up to 29 inches of mercury) to simultaneously extract vapor and groundwater from the source area. DVE removes soil vapors and separate phase hydrocarbons from the vadose zone and enhances groundwater removal from remediation or monitoring wells.
3.2	Area Remediated	Mobile DVE addresses hydrocarbon and MTBE removal downgradient of the UST complex and downgradient of the waste-oil tank.
3.3	Remediation Effectiveness	As of the third quarter of 2003, approximately 11.9 pounds of dissolved-phase total petroleum hydrocarbons as gasoline (TPHg), 0.6 pounds of dissolved-phase methyl tertiary butyl ether (MTBE), 41.4 pounds of vapor-phase TPHg and 0.6 pounds of vapor-phase MTBE have been removed from the subsurface. MTBE concentrations have decreased from 10,800 ppb to 2,900 ppb in target well MW-5 and from 12,700 to 1,900 in target well MW-6.
4	**Well and Sensitive Receptor Survey**	
4.1	Designated Beneficial Water Use	Based on the June 1999 East Bay Plain Groundwater Basin Beneficial Use Evaluation Report by the California Regional Water Quality Control Board San Francisco Bay Region Groundwater Committee, the city of San Leandro does not have "any plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity."
4.2	Shallow Groundwater Use	Shallow wells within a half-mile of the site are associated with irrigation and/or groundwater monitoring.
4.3	Deep Groundwater Use	The deepest wells within a half-mile radius are a 260-foot domestic water-producing well located approximately 3/8 mile northeast of the site and a 571-foot irrigation well located about 3/8 mile northwest of the site. Other deep groundwater use is unknown.
4.4	Well Survey Results	Cambria's April 1998 Potential Receptor Survey identified 28 domestic and irrigation wells within a one-half mile radius of the site. Irrigation well 2S/3W-25L1, located approximately 150 feet west of the site at 566 Estudillo Avenue, was added to the quarterly monitoring and sampling program for this site in the second quarter of 1999. The Department of Water Resources well log for this well

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

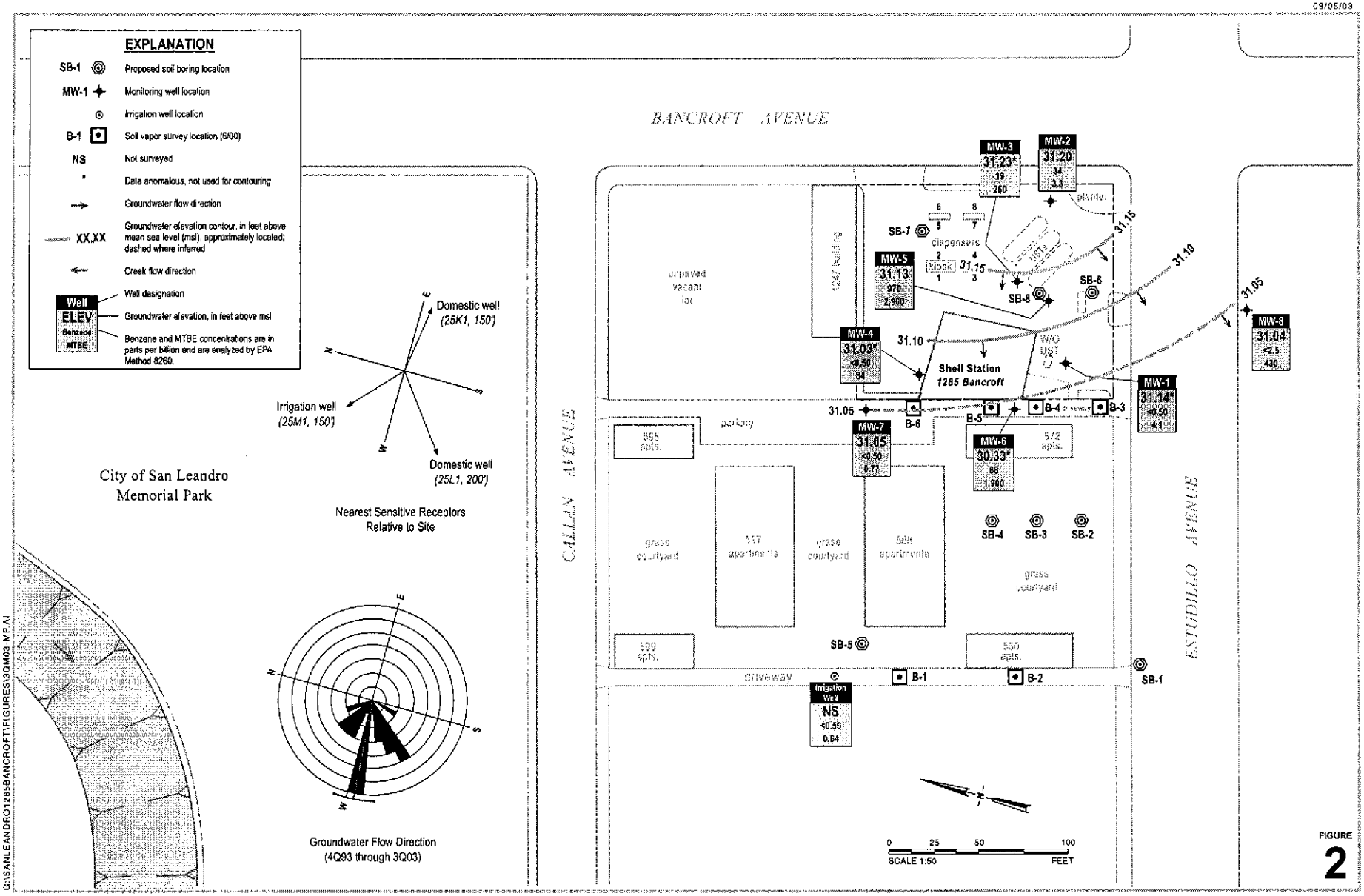
Item	Evaluation Criteria	Comments/Discussion
		indicate that the well is installed to a depth of 88 fbg, however no other construction details are given.
4.5	Likelihood of Impact to Wells	In the third quarter of 2003, 0.64 ppb MTBE was detected in irrigation well 2S/3W-25L1, located approximately 150 feet west of the site at 566 Estudillo Avenue. Due to either distance or location up- or cross-gradient of the site, it is unlikely that chemicals originating from the site will impact any other identified wells.
4.6	Likelihood of Impact to Surface Water	Given that the nearest surface water, San Leandro Creek, is located approximately 500 feet northwest of the site, the likelihood of impact to surface water from chemicals originating from the site is low.
5	**Risk Assessment**	
5.1	Site Conceptual Exposure Model (current and future uses)	The site is an active Shell-branded service station surrounded by mixed commercial and residential property. The site land use is expected to remain commercial. BTEX and MTBE have been identified as chemicals of concern (COCs) for this site. The hydrocarbon plume in groundwater is concentrated southwest of the UST complex near the former dispenser island location on the southeast side of the site. The proportions of TPHg and BTEX concentrations suggest weathered gasoline and that no new liquid fuel release has occurred at the site. In the areas where the hydrocarbon plume is defined, attenuation with distance of TPHg and benzene concentrations is observed. The MTBE plume in groundwater is primarily on site, however it is not defined off site.
5.2	Exposure Pathways	Potential exposure pathways include inhalation of COCs volatilized to indoor and outdoor air from impacted groundwater and soil on site by the commercial occupants of the site and/or the residential occupants of the west-southwestern adjacent property. Ingestion of impacted groundwater from the irrigation well located 150 west of the site may also be considered a complete exposure pathway, however it is believed that the well is not used for drinking water purposes. No impacted surface soil (less than 10 fbg) has been encountered or is expected on the offsite property. Therefore, ingestion of, dermal exposure to, and inhalation of particulates from impacted soil are not considered as complete exposure pathways.

Site Address:	1285 Bancroft Avenue	Incident Number:	98996067
City:	San Leandro, CA	Regulator:	Alameda County Health Care Services Agency

Item	Evaluation Criteria	Comments/Discussion
5.3	Risk Assessment Status	In 2001, Cambria collected in-situ vapor and physical soil property samples and prepared a RBCA analysis of the potential risk to offsite receptors posed by hydrocarbons originating from the site. This evaluation showed that calculated excess cancer risk posed by the site was below the target risk level of 1 x 10-6, and that the offsite conditions at the time did not pose a significant risk to offsite occupants directly adjacent to the site. Ingestion of impacted groundwater was not considered in the analysis since no COCs had been detected in the irrigation well downgradient of the site at that time.
5.4	Identified Human Exceedances	No exceedances were identified by the risk assessment of 2001.
5.5	Identified Ecological Exceedances	No exceedances have been identified.
6	**Additional Recommended Data or Tasks**	
6.1	Lateral plume definition	
6.2	Vertical plume definition	
6.3	Prepare cross-sectional drawings	

Known environmental documents for site:
April 27, 1992 – Subsurface Investigation Report, Weiss
March 5, 1996 – Dispenser Replacement Sampling Report, Weiss
April 24, 1998 – Potential Receptor Survey, Cambria
October 29, 1999 – Well Installation Report, Cambria
June 27, 2001 – Investigation Report and Risk-based Corrective Action Analysis, Cambria
October 21, 2003 – Soil and Water Investigation Report and Site Conceptual Model
Attached:
Latest QMR map, including rose diagram, soil boring locations and nearest sensitive receptors (7/1/03)
Latest groundwater monitoring tables (7/1/03)
Latest groundwater extraction data (9/25/03)
Well Survey Map and Table
Boring/Well Logs
Analytical Results for Soil Samples (summary, 9/03)
Analytical Results for Groundwater (summary, 9/03)
Soil Vapor Data (6/2000)
Soil Physical Data (6/2000)
Soil Sample Location sketch – Dispenser sampling (1995)

09/05/03



G:\SANLEANDRO\1285BANCROFT\FIGURES\3QM03-MP.AI

Groundwater Elevation Contour Map

July 1, 2003

CAMBRIA

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

FIGURE
2

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
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August 7, 2003

Karen Petryna
Shell Oil Products US
P.O. Box 7869
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Third Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, CA

Monitoring performed on July 1, 2003

Groundwater Monitoring Report **030701-MT-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/jt

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	03/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.65	23.64	NA
MW-1	06/12/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.14	23.15	NA
MW-1	09/13/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	44.71	21.58	NA
MW-1	12/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	66.29	45.23	21.06	NA
MW-1	03/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	66.29	43.32	22.97	NA
MW-1	06/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	66.29	42.18	24.11	NA
MW-1	09/17/1991	50a	160a	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	44.85	21.44	NA
MW-1	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	41.56	24.73	NA
MW-1	06/03/1992	<50	NA	0.8	<0.5	0.9	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	09/01/1992	<50	NA	<0.5	5.8	5.3	7.2	NA	NA	66.29	43.05	23.24	NA
MW-1	12/07/1992	68	NA	<0.5	0.8	<0.5	1.2	NA	NA	66.29	44.19	22.10	NA
MW-1	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1 (D)	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	34.96	31.33	NA
MW-1	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.29	36.75	29.54	NA
MW-1	09/09/1993	200a	NA	16	5.2	2	<0.5	NA	NA	66.29	39.36	26.93	NA
MW-1	12/13/1993	89a	NA	3.4	<0.5	<0.5	<0.5	NA	NA	66.29	40.74	25.55	NA
MW-1	03/03/1994	65a	NA	2.6	<0.5	<0.5	<0.5	NA	NA	66.29	38.40	27.89	NA
MW-1	07/27/1994	180	NA	30	1.8	2.6	5	NA	NA	66.90	40.49	26.41	NA
MW-1 (D)	07/27/1994	240	NA	25	2.2	2.2	4	NA	NA	66.90	40.49	26.41	NA
MW-1	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	40.84	26.06	NA
MW-1	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.90	41.98	24.92	NA
MW-1	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	41.34	25.56	NA
MW-1	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.90	42.06	24.84	NA
MW-1	01/04/1995	<50	NA	2.4	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	NA
MW-1 (D)	01/04/1995	<50	NA	2.5	<0.5	<0.5	<0.5	NA	NA	66.90	39.90	27.00	NA
MW-1	04/14/1995	<50	NA	<0.5	0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	NA
MW-1 (D)	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.90	31.02	35.88	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/12/1995	<50	NA	1.2	0.8	<0.5	<0.5	NA	NA	66.90	34.61	32.29	NA
MW-1	12/14/1995	380	NA	230	9	1.1	49	NA	NA	66.90	39.24	27.66	NA
MW-1	01/10/1996	60	NA	3.5	<0.5	<0.5	0.5	NA	NA	66.90	38.34	28.56	NA
MW-1	04/25/1996	<50	NA	3.3	2.4	1.2	5.4	NA	NA	66.90	31.95	34.95	NA
MW-1	07/09/1996	810	NA	29	7.3	<5.0	11	1,800	NA	66.90	34.45	32.45	NA
MW-1	10/02/1996	<125	NA	3.1	<1.2	<1.2	<1.2	960	NA	66.90	37.72	29.18	NA
MW-1	01/09/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	510	NA	66.90	32.25	34.65	NA
MW-1	04/09/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	130	NA	66.90	32.90	34.00	NA
MW-1	07/02/1997	<250	NA	60	7.6	4.2	18	1,300	NA	66.90	36.65	30.25	NA
MW-1	10/24/1997	<500	NA	140	<5.0	12	40	2,600	NA	66.90	39.75	27.15	4.5
MW-1	01/08/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	170	NA	66.90	36.31	30.59	4.0
MW-1	04/14/1998 b	72	NA	0.82	4.9	1.8	13	2.7	NA	66.90	26.37	40.53	2.2
MW-1	07/15/1998	<50	NA	2.5	1.5	<0.50	<0.50	12	NA	66.90	31.23	35.67	2.4
MW-1	10/13/1998	<50	NA	3.2	0.69	<0.50	1.1	29	NA	66.90	35.69	31.21	1.3
MW-1	01/22/1999	567	NA	79.7	120	21.4	99.9	193	190	66.90	35.32	31.58	1.2
MW-1	04/16/1999	<50	NA	0.69	1.1	1.2	<0.50	8.2	NA	66.90	31.76	35.14	1.0
MW-1	07/22/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	<5.00	2.17	66.90	23.21	43.69	2.1/2.0
MW-1	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	66.90	33.27	33.63	2.2/2.1
MW-1	01/07/2000	<50.0	NA	0.631	0.577	<0.500	1.25	14.1	NA	66.90	38.17	28.73	d
MW-1	04/05/2000	153	NA	12.4	21.2	6.65	28.3	50.1	NA	66.90	30.45	36.45	2.0/2.3
MW-1	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	66.90	34.29	32.61	4.4/3.8
MW-1	10/19/2000	129	NA	7.76	19.6	7.84	33.3	31.3	NA	66.90	36.87	30.03	3.9/4.7
MW-1	01/15/2001	201	NA	7.58	29.9	9.64	42.9	24.9	NA	66.90	36.99	29.91	2.7/3.0
MW-1	04/30/2001	<50	NA	<0.50	<0.50	<0.50	0.54	NA	<5.0	66.90	34.62	32.28	3.1/2.4
MW-1	07/20/2001	180	NA	8.0	16	9.5	39	NA	140	66.90	37.25	29.65	3.9/3.8
MW-1	10/24/2001	94	NA	7.0	0.90	3.4	8.4	NA	34	66.90	38.82	28.08	3.6/3.9
MW-1	01/03/2002	<50	NA	<0.50	0.78	<0.50	1.5	NA	<5.0	66.90	34.97	31.93	3.1/3.3
MW-1	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	66.90	34.04	32.86	1.6/1.8

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MW-1	07/11/2002	61	NA	2.2	2.6	3.9	14	NA	28	66.90	36.15	30.75	0.6/3.8
MW-1	10/28/2002	270	NA	7.9	3.6	17	51	NA	72	66.33	38.35	27.98	1.0/1.2
MW-1	01/07/2003	<50	NA	<0.50	<0.50	<0.50	0.53	NA	<5.0	66.33	34.13	32.20	3.8/3.9
MW-1	04/14/2003	<50	NA	0.51	0.52	1.0	2.9	NA	21	66.33	35.40	30.93	3.4/3.5
MW-1	**07/01/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**1.1**	**2.5**	**NA**	**4.1**	**66.33**	**35.19**	**31.14**	**0.4/0.7**
MW-2	03/01/1992	910	<50	11	5.2	50	140	NA	NA	66.91	41.57	25.34	NA
MW-2	06/03/1992	1,400	NA	33	16	150	240	NA	NA	66.91	40.56	26.35	NA
MW-2	09/01/1992	230	NA	5.2	4.1	15	19	NA	NA	66.91	42.94	23.97	NA
MW-2 (D)	09/01/1992	320	NA	5.6	5	18	220	NA	NA	66.91	42.94	23.97	NA
MW-2	12/07/1992	240	NA	1.5	1.3	9.5	9.9	NA	NA	66.91	44.13	22.78	NA
MW-2 (D)	12/07/1992	<50	NA	1.7	1	13	12	NA	NA	66.91	44.13	22.78	NA
MW-2	03/01/1993	230	NA	260	310	27	66	NA	NA	66.91	34.82	32.09	NA
MW-2	06/22/1993	220	NA	18	3.4	3.6	5.2	NA	NA	66.91	36.64	30.27	NA
MW-2 (D)	06/22/1993	320	NA	29	4.8	4.2	6.1	NA	NA	66.91	36.64	30.27	NA
MW-2	09/09/1993	260	NA	18	4.6	16	12	NA	NA	66.91	39.24	27.67	NA
MW-2 (D)	09/09/1993	210	NA	16	3.9	14	9.1	NA	NA	66.91	39.24	27.67	NA
MW-2	12/13/1993	1,300a	NA	82	34	73	15	NA	NA	66.91	40.64	26.27	NA
MW-2 (D)	12/13/1993	1,400a	NA	110	45	72	19	NA	NA	66.91	40.64	26.27	NA
MW-2	03/03/1994	9,600	NA	1,200	600	390	710	NA	NA	66.91	38.98	27.93	NA
MW-2 (D)	03/03/1994	10,000	NA	930	500	330	590	NA	NA	66.91	38.98	27.93	NA
MW-2	07/27/1994	190	NA	<0.5	1	<0.5	<0.5	NA	NA	66.91	40.40	26.51	NA
MW-2	08/09/1994	1,500	NA	53.5	12.4	46.2	44	NA	NA	66.91	40.71	26.20	NA
MW-2	10/05/1994	<485	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	66.91	41.89	25.02	NA
MW-2	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.22	25.69	NA
MW-2	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	66.91	41.99	24.92	NA
MW-2	01/04/1995	1,300	NA	150	35	23	51	NA	NA	66.91	39.81	27.10	NA

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MW-2	04/14/1995	5,000	NA	1,000	340	400	810	NA	NA	66.91	30.83	36.08	NA
MW-2	07/12/1995	4,500	NA	440	170	170	290	NA	NA	66.91	34.50	32.41	NA
MW-2 (D)	07/12/1995	4,300	NA	430	160	160	280	NA	NA	66.91	34.50	32.41	NA
MW-2	12/14/1995	37,000	NA	1,800	7,600	1,000	6,700	NA	NA	66.91	39.22	27.69	NA
MW-2 (D)	12/14/1995	34,000	NA	1,800	6,600	1,000	6,500	NA	NA	66.91	39.22	27.69	NA
MW-2	01/10/1996	69,000	NA	1,000	3,200	510	3,300	NA	NA	66.91	38.22	28.69	NA
MW-2 (D)	01/10/1996	78,000	NA	1,100	3,500	560	3,600	NA	NA	66.91	38.22	28.69	NA
MW-2	04/25/1996	11,000	NA	820	880	210	1,400	NA	NA	66.91	31.78	35.13	NA
MW-2 (D)	04/25/1996	9,300	NA	690	710	160	1,200	NA	NA	66.91	31.78	35.13	NA
MW-2	07/09/1996	100,000	NA	15,000	24,000	1,700	9,900	70,000	NA	66.91	34.35	32.56	NA
MW-2 (D)	07/09/1996	86,000	NA	12,000	19,000	1,400	7,500	32,000	NA	66.91	34.35	32.56	NA
MW-2	10/02/1996	82,000	NA	20,000	32,000	1,800	9,100	40,000	NA	66.91	37.56	29.35	NA
MW-2 (D)	10/02/1996	89,000	NA	19,000	31,000	1,700	8,900	42,000	NA	66.91	37.56	29.35	NA
MW-2	01/09/1997	17,000	NA	710	2,300	350	2,200	4,000	NA	66.91	32.07	34.84	NA
MW-2 (D)	01/09/1997	12,000	NA	490	1,300	260	1,800	2,800	NA	66.91	32.07	34.84	NA
MW-2	04/09/1997	20,000	NA	970	3,500	330	2,000	3,200	NA	66.91	32.78	34.13	NA
MW-2	07/02/1997	28,000	NA	1,700	8,700	550	3,000	5,500	NA	66.91	36.56	30.35	NA
MW-2 (D)	07/02/1997	32,000	NA	2,000	11,000	680	3,800	6,400	NA	66.91	36.56	30.35	NA
MW-2	10/24/1997	14,000	NA	460	1,000	300	2,000	3,000	NA	66.91	39.74	27.17	3.2
MW-2 (D)	10/24/1997	14,000	NA	420	980	270	2,000	2,800	NA	66.91	39.74	27.17	3.2
MW-2	01/08/1998	180	NA	2.8	1.6	<0.50	<0.50	7.6	NA	66.91	36.13	30.78	3.6
MW-2	04/14/1998 b	12,000	NA	92	1,500	260	1,900	110	NA	66.91	26.15	40.76	4.6
MW-2	07/15/1998	36,000	NA	250	5,600	830	6,000	6,800	NA	66.91	31.14	35.77	4.8
MW-2 (D)	07/15/1998	35,000	NA	230	5,600	860	600	570	NA	66.91	31.14	35.77	4.8
MW-2	10/13/1998	100	NA	7	12	3.7	10	5.8	NA	66.91	36.14	30.77	0.8
MW-2	01/22/1999	21,000	NA	701	3,330	960	5,420	772	620	66.91	35.97	30.94	1.0
MW-2	04/16/1999	14,000	NA	200	1,600	560	3,300	330	NA	66.91	31.52	35.39	1.0

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MW-2	07/22/1999	1,410	NA	28.3	91.2	50.4	256	35.3	15.2	66.91	26.14	40.77	2.1/2.5
MW-2	12/08/1999	<50.0	NA	1.45	1.34	1.15	5.31	5.08	NA	66.91	37.72	29.19	2.1/2.5
MW-2	01/07/2000	743	NA	18.6	47.0	3.06	166	30.3	NA	66.91	38.14	28.77	1.4/1.8
MW-2	04/05/2000	2,320	NA	60.9	101	115	606	62.5	NA	66.91	30.46	36.45	1.7/1.9
MW-2	07/12/2000	12,100	NA	325	555	793	3,610	260	NA	66.91	34.13	32.78	4.1/4.6
MW-2	10/19/2000	4,840	NA	188	267	318	1,370	84.4	NA	66.91	36.50	30.41	4.8/2.6
MW-2	01/15/2001	654	NA	52.3	9.10	37.8	93.6	10.9	NA	66.91	36.73	30.18	4.2/3.5
MW-2	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	66.91	35.25	31.66	2.4/2.0
MW-2	07/20/2001	5,400	NA	320	110	340	1,100	NA	33	66.91	37.00	29.91	3.4/2.4
MW-2	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	66.91	38.63	28.28	NA
MW-2	10/31/2001	1,400	NA	81	16	76	180	NA	29	66.91	38.71	28.20	3.8/2.9
MW-2	01/03/2002	1,800	NA	88	62	130	520	NA	17	66.91	34.71	32.20	3.0/2.1
MW-2	04/05/2002	9,400	NA	190	120	410	1,800	NA	<50	66.91	33.86	33.05	1.3/1.8
MW-2	07/11/2002	6,700	NA	220	73	360	1,100	NA	<20	66.91	35.99	30.92	3.4/2.1
MW-2	10/28/2002	4,600	NA	190	25	210	370	NA	21	66.33	38.05	28.28	0.7/0.9
MW-2	01/07/2003	1,700	NA	9.3	14	83	380	NA	<5.0	66.33	34.22	32.11	3.9/3.6
MW-2	04/14/2003	5,900	NA	86	53	360	1,500	NA	<50	66.33	35.28	31.05	3.0/2.9
MW-2	**07/01/2003**	**2,200**	**NA**	**34**	**24**	**130**	**510**	**NA**	**3.3**	**66.33**	**35.13**	**31.20**	**0.9/1.1**
MW-3	03/01/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	42.00	24.31	NA
MW-3	06/03/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	44.30	22.01	NA
MW-3	09/01/1992	<50	NA	<0.5	<0.5	1.1	3.2	NA	NA	66.31	43.62	22.69	NA
MW-3	12/07/1992	52	NA	<0.5	<0.5	<0.5	0.5	NA	NA	66.31	44.77	21.54	NA
MW-3	03/01/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	35.50	30.81	NA
MW-3	06/22/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	66.31	37.30	29.01	NA
MW-3	09/09/1993	50a	NA	5	<0.5	<0.5	<0.5	NA	NA	66.31	39.90	26.41	NA
MW-3	12/13/1993	120a	NA	7.5	<0.5	1.6	6.3	NA	NA	66.31	41.30	25.01	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	03/03/1994	<50	NA	0.81	<0.5	<0.5	<0.5	NA	NA	66.31	38.32	27.99	NA
MW-3	07/27/1994	<50	NA	3.5	<0.5	<0.5	<0.5	NA	NA	67.52	41.07	26.45	NA
MW-3	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.37	26.15	NA
MW-3	10/05/1994	<57	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	67.52	42.55	24.97	NA
MW-3	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	41.86	25.66	NA
MW-3	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	67.52	42.59	24.93	NA
MW-3	01/04/1995	<50	NA	6	<0.5	<0.5	<0.5	NA	NA	67.52	40.54	26.98	NA
MW-3	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	67.52	31.50	36.02	NA
MW-3	07/12/1995	90	NA	16	<0.5	<0.5	<0.5	NA	NA	67.52	35.14	32.38	NA
MW-3	12/14/1995	4,600	NA	460	390	34	1,000	NA	NA	67.52	39.86	27.66	NA
MW-3	01/10/1996	11,000	NA	470	460	68	670	NA	NA	67.52	39.98	27.54	NA
MW-3	04/25/1996	5,500	NA	830	910	<50	460	NA	NA	67.52	32.38	35.14	NA
MW-3	07/09/1996	72,000	NA	7,600	14,000	970	5,900	59,000	NA	67.52	34.93	32.59	NA
MW-3	10/02/1996	77,000	NA	15,000	24,000	2,000	9,600	94,000	71,000	67.52	38.20	29.32	NA
MW-3	01/09/1997	130	NA	15	16	2	9.7	80	NA	67.52	32.81	34.71	NA
MW-3	04/09/1997	24,000	NA	2,900	5,300	420	2,200	4,100	NA	67.52	33.42	34.10	NA
MW-3 (D)	04/09/1997	24,000	NA	3,000	5,600	450	2,300	4,700	NA	67.52	33.42	34.10	NA
MW-3	07/02/1997	68,000	NA	7,400	18,000	1,600	8,700	16,000	NA	67.52	37.22	30.30	NA
MW-3	10/24/1997	93,000	NA	1,800	8,500	2,300	14,000	3,100	NA	67.52	40.75	26.77	1.8
MW-3	01/08/1998	16,000	NA	140	870	22	5,000	120	NA	67.52	36.90	30.62	2.1
MW-3 (D)	01/08/1998	24,000	NA	100	840	26	5,600	<100	NA	67.52	36.90	30.62	2.1
MW-3	04/14/1998 b	100,000	NA	270	5,000	2,100	17,000	890	NA	67.52	26.92	40.60	1.8
MW-3 (D)	04/14/1998 b	49,000	NA	230	3,200	1,200	8,900	790	NA	67.52	26.92	40.60	1.8
MW-3	07/15/1998	31,000	NA	1,100	3,300	300	2,800	3,700	NA	67.52	31.74	35.78	2
MW-3	10/13/1998	51,000	NA	3,100	12,000	7,630	6,800	6,200	NA	67.52	35.61	31.91	2.1
MW-3 (D)	10/13/1998	88,000	NA	5,800	21,000	1,400	12,000	9200	NA	67.52	35.61	31.91	2.1
MW-3	01/22/1999	25,100	NA	855	4,400	786	5,260	1,850	1,500	67.52	35.29	32.23	0.8

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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	04/16/1999	7,800	NA	150	550	160	1,100	370	NA	67.52	32.29	35.23	1.0
MW-3	07/22/1999	1,970	NA	51.2	160	43.1	286	179	109	67.52	26.67	40.85	3.1/3.0
MW-3	12/08/1999	12,500	NA	171	537	141	1,260	717	NA	67.52	38.34	29.18	3.1/2.9
MW-3	01/07/2000	6,020	NA	<10.0	929	177	1,170	217	NA	67.52	38.87	28.65	3.2/2.6
MW-3	04/05/2000	3,890	NA	120	351	67.8	576	231	NA	67.52	31.08	36.44	3.4/3.8
MW-3	07/12/2000	23,300	NA	592	4,690	672	4,620	1,340	NA	67.52	34.80	32.72	0.4/3.7
MW-3	10/19/2000	6,280	NA	124	1,280	229	1,510	311	NA	67.52	37.34	30.18	2.1/2.9
MW-3	01/15/2001	4,800	NA	7.04	70.0	70.9	380	54.7	NA	67.52	37.65	29.87	2.7/2.5
MW-3	04/30/2001	<50	NA	<0.50	<0.50	<0.50	1.8	NA	<5.0	67.52	35.25	32.27	1.8/1.6
MW-3	07/20/2001	2,900	NA	11	100	120	520	NA	48	67.52	37.71	29.81	1.2/3.4
MW-3	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	67.52	39.35	28.17	0.5
MW-3	10/31/2001	1,700	NA	4.5	43	43	230	NA	17	67.52	39.30	28.22	0.8/3.0
MW-3	01/03/2002	12,000	NA	26	410	490	2,800	NA	99	67.52	35.51	32.01	1.4/1.2
MW-3	04/05/2002	22,000	NA	76	930	710	4,500	NA	390	67.52	34.56	32.96	1.7/1.9
MW-3	07/11/2002	13,000	NA	23	340	320	1,800	NA	120	67.52	36.65	30.87	1.0/2.2
MW-3	10/28/2002	1,500	NA	<0.50	2.6	13	83	NA	45	66.93	38.85	28.08	1.2/1.1
MW-3	01/07/2003	5,500	NA	8.3	150	130	1,000	NA	130	66.93	34.64	32.29	3.2/3.1
MW-3	04/14/2003	14,000	NA	23	250	470	3,200	NA	330	66.93	35.90	31.03	1.6/2.1
MW-3	**07/01/2003**	**12,000**	**NA**	**19**	**100**	**440**	**2,700**	**NA**	**250**	**66.93**	**35.70**	**31.23**	**0.9/1.0**
MW-4	07/27/1994	120	NA	3.4	3.9	0.6	4.9	NA	NA	68.08	41.78	26.30	NA
MW-4	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.09	25.99	NA
MW-4	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4 (D)	10/05/1994	<50	NA	<0.3	<0.3	<0.3	<0.6	NA	NA	68.08	43.25	24.83	NA
MW-4	11/11/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	42.54	25.54	NA
MW-4	12/29/1994	NA	NA	NA	NA	NA	NA	NA	NA	68.08	43.34	24.74	NA
MW-4	01/04/1995	<50	NA	1.4	<0.5	<0.5	<0.5	NA	NA	68.08	41.57	26.51	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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	04/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	32.24	35.84	NA
MW-4	07/12/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	68.08	35.88	32.20	NA
MW-4	12/14/1995	70	NA	0.6	<0.5	<0.5	<0.5	NA	NA	68.08	40.54	27.54	NA
MW-4	01/10/1996	280	NA	3.7	1	<0.5	0.8	NA	NA	68.08	39.59	28.49	NA
MW-4	04/25/1996	<500	NA	63	<5.0	<5.0	<5.0	NA	NA	68.08	33.22	34.86	NA
MW-4	07/09/1996	<2,000	NA	160	<20	<20	<20	5,300	NA	68.08	35.70	32.38	NA
MW-4	10/02/1996	<5,000	NA	480	<50	<50	<50	19,000	NA	68.08	38.95	29.13	NA
MW-4	01/09/1997	<2,000	NA	43	<20	<20	<20	7,000	NA	68.08	33.04	35.04	NA
MW-4	04/09/1997	<2,500	NA	120	<25	<25	<25	8,100	NA	68.08	34.15	33.93	NA
MW-4	07/02/1997	<2,000	NA	81	<20	<20	<20	6,600	NA	68.08	37.92	30.16	NA
MW-4	10/24/1997	<500	NA	90	<5.0	11	6.3	3,200	NA	68.08	41.00	27.08	2.1
MW-4	01/08/1998	<50	NA	3.9	<0.50	<0.50	<0.50	1,800	NA	68.08	37.54	30.54	2.2
MW-4	04/14/1998 b	920	NA	<0.50	<0.50	<0.50	<0.50	27	NA	68.08	27.75	40.33	1.2
MW-4	07/15/1998	2,100	NA	160	76	120	190	2,600	NA	68.08	32.47	35.61	1.8
MW-4	10/13/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	17	NA	68.08	36.75	31.33	1.1
MW-4	01/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7	13	68.08	36.41	31.67	1.6
MW-4	04/16/1999	1,800	NA	92	35	110	200	1,800	2,750	68.08	33.00	35.08	1.2
MW-4	07/22/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	68.08	27.59	40.49	NA
MW-4	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	22.6	NA	68.08	39.04	29.04	2.5/2.6
MW-4	01/07/2000	871	NA	39.4	69.0	71.6	99.6	1,030	NA	68.08	39.35	28.73	1.2/1.2
MW-4	04/05/2000	475	NA	26.9	5.24	19.8	41.5	681	NA	68.08	31.28	36.80	1.6/1.8
MW-4	07/12/2000	1,040	NA	35.7	6.95	125	104	1,040	NA	68.08	35.52	32.56	0.5/4.9
MW-4	10/19/2000	944	NA	23.9	6.57	122	109	372	NA	68.08	38.08	30.00	2.3/1.4
MW-4	01/15/2001	1,170	NA	21.6	1.51	123	52.8	592	NA	68.08	38.31	29.77	1.7/1.9
MW-4	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	26	68.08	35.80	32.28	1.3/1.0
MW-4	07/20/2001	2,000	NA	16	5.8	230	270	NA	520	68.08	38.46	29.62	1.6/1.8
MW-4	10/24/2001	1,000	NA	6.9	<1.0	96	44	NA	270	68.08	40.02	28.06	0.7/0.9

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MW-4	01/03/2002	390	NA	3.0	<0.50	19	5.9	NA	230	68.08	35.71	32.37	1.2/1.9
MW-4	04/05/2002	150	NA	0.57	<0.50	3.8	<0.50	NA	250	68.08	35.25	32.83	1.6/1.6
MW-4	07/11/2002	530	NA	2.6	<0.50	46	4.6	NA	280	68.08	37.39	30.69	0.8/1.9
MW-4	10/28/2002	110	NA	<0.50	<0.50	1.8	<0.50	NA	180	67.52	39.55	27.97	1.1/0.9
MW-4	01/07/2003	210	NA	0.72	<0.50	12	1.5	NA	140	67.52	35.24	32.28	2.1/2.2
MW-4	04/14/2003	220	NA	0.77	<0.50	9.8	1.2	NA	160	67.52	36.62	30.90	1.9/1.5
MW-4	**07/01/2003**	**61**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**84**	**67.52**	**36.49**	**31.03**	**0.6/0.7**
MW-5*	06/04/1999	159,000	NA	7,190	39,300	2,450	16,700	<5,000	NA	66.50	33.48	33.02	1.7
MW-5	06/04/1999	80,400	NA	4,400	26,000	1,480	11,000	3,660	NA	66.50	33.48	33.02	1.9
MW-5	07/22/1999	97,200	NA	4,580	25,600	1,580	10,100	<5,000	4,330	66.50	33.29	33.21	1.7/1.8
MW-5	12/08/1999	72,000	NA	3,360	16,600	1,560	8,320	3,460	NA	66.50	37.80	28.70	1.7/1.9
MW-5	01/07/2000	104,000	NA	5,370	30,400	2,500	13,900	3,330	NA	66.50	38.40	28.10	1.6/1.2
MW-5	04/05/2000	99,700	NA	5,710	37,000	2,410	14,200	10,800	NA	66.50	30.72	35.78	1.7/1.5
MW-5	07/12/2000	106,000	NA	3,840	38,200	2,980	18,100	3,280	NA	66.50	34.42	32.08	0.2/1.8
MW-5	10/19/2000	72,400	NA	3,010	32,200	2,440	15,400	2,840	NA	66.50	36.89	29.61	1.0/2.7
MW-5	01/15/2001	78,300	NA	2,220	21,400	1,960	12,200	3,420	1,370	66.50	37.10	29.40	1.2/1.0
MW-5	04/30/2001	83,000	NA	1,400	23,000	2,300	14,000	NA	3,400	66.50	34.75	31.75	0.6/0.8
MW-5	07/20/2001 f	NA	NA	NA	NA	NA	NA	NA	NA	66.50	37.40	29.10	0.5
MW-5	07/24/2001	160,000	NA	2,400	37,000	3,800	24,000	NA	1,400	66.50	37.30	29.20	0.7/0.8
MW-5	10/24/2001 g	NA	NA	NA	NA	NA	NA	NA	NA	66.50	39.00	27.50	NA
MW-5	10/31/2001	14,000	NA	150	2,700	450	2,300	NA	110	66.50	39.05	27.45	0.4/0.8
MW-5	01/03/2002	62,000	NA	660	12,000	1,700	11,000	NA	860	66.50	35.15	31.35	0.4/0.3
MW-5	04/05/2002	81,000	NA	1,500	19,000	2,400	13,000	NA	2,400	66.50	34.18	32.32	1.7/1.4
MW-5	07/11/2002	140,000	NA	1,900	26,000	3,400	20,000	NA	1,700	66.50	36.28	30.22	0.5/0.6
MW-5	10/28/2002	30,000	NA	340	4,900	830	5,200	NA	<200	66.50	38.44	28.06	0.6/0.9
MW-5	01/07/2003	72,000	NA	720	13,000	1,900	10,000	NA	1,100	66.50	34.17	32.33	1.4/1.1

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MW-5	04/14/2003	110,000	NA	900	19,000	3,000	20,000	NA	1,400	66.50	35.52	30.98	0.8/0.6
MW-5	**07/01/2003**	**94,000**	**NA**	**970**	**22,000**	**3,300**	**20,000**	**NA**	**2,900**	**66.50**	**35.37**	**31.13**	**1.1/1.0**
MW-6*	06/04/1999	36,000	NA	4,240	1,680	1,100	4,160	11,300	17,500	64.98	32.13	32.85	1.3
MW-6	06/04/1999	56,900	NA	6,830	6,050	1,970	9,060	17,000	24,300	64.98	32.13	32.85	1.3
MW-6	07/22/1999	42,800	NA	4,660	740	1,210	4,980	15,600	20,100	64.98	32.09	32.89	2.9/2.1
MW-6	12/08/1999	9,520	NA	1,760	58.0	142	384	9,320	7,310c	64.98	36.62	28.36	2.9/2.2
MW-6	01/07/2000	20,000	NA	3,650	367	949	1,700	13,600	13,100	64.98	37.03	27.95	1.2/1.4
MW-6	04/05/2000	20,500e	NA	4,190e	1,250e	1,200e	2,750e	18,600e	12,700c	64.98	29.37	35.61	1.2/1.2
MW-6	07/12/2000	27,300	NA	4,000	3,170	1,470	4,570	12,900	10,800c	64.98	33.04	31.94	0.8/0.4
MW-6	10/19/2000	39,600	NA	4,050	6,250	1,920	7,800	14,200	14,600c	64.98	35.62	29.36	1.4/1.7
MW-6	01/15/2001	64,800	NA	2,090	20,400	1,860	11,100	<1,250	NA	64.98	35.91	29.07	1.2/1.5
MW-6	04/30/2001	27,000	NA	2,300	3,200	1,100	4,600	NA	6,800	64.98	33.70	31.28	1.6/1.2
MW-6	07/20/2001	29,000	NA	2,100	1,900	1,100	5,600	NA	7,100	64.98	35.98	29.00	1.0/0.7
MW-6	10/24/2001	38,000	NA	1,400	690	1,400	5,700	NA	4,800	64.98	37.55	27.43	1.0/0.6
MW-6	01/03/2002	10,000	NA	810	120	260	1,100	NA	4,100	64.98	33.34	31.64	0.8/0.6
MW-6	04/05/2002	19,000	NA	1,100	1,100	510	3,000	NA	4,300	64.98	34.60	30.38	1.1/1.5
MW-6	07/11/2002	26,000	NA	1,100	550	1,200	4,400	NA	5,400	64.98	35.02	29.96	0.1/0.7
MW-6	10/28/2002	11,000	NA	230	56	140	540	NA	2,500	65.10	37.78	27.32	0.7/1.1
MW-6	01/07/2003	Unable to sample		NA	NA	NA	NA	NA	NA	65.10	32.95	32.15	NA
MW-6	01/10/2003	17,000	NA	840	1,200	1,100	2,700	NA	3,400	65.10	32.75	32.35	0.4/0.3
MW-6	04/14/2003	31,000	NA	810	420	1,300	4,000	NA	3,800	65.10	34.95	30.15	3.6/1.0
MW-6	**07/01/2003**	**1,400**	**NA**	**88**	**44**	**<10**	**160**	**NA**	**1,900**	**65.10**	**34.77**	**30.33**	**1.2/1.5**
MW-7*	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.83	33.03	32.80	1.4
MW-7	06/04/1999	<50.0	NA	0.663	<0.500	0.677	<0.500	11.7	NA	65.83	33.03	32.80	1.4
MW-7	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	65.83	33.09	32.74	2.7/2.4

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MW-7	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.83	37.68	28.15	2.7/2.4
MW-7	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	37.87	27.96	2.8/2.6
MW-7	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	30.30	35.53	2.8/3.1
MW-7	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	33.92	31.91	0.9/0.7
MW-7	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	36.51	29.32	1.5/1.8
MW-7	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	65.83	36.73	29.10	4.7/4.3
MW-7	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	34.25	31.58	4.2/2.2
MW-7	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	36.88	28.95	1.8/1.7
MW-7	10/24/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	38.45	27.38	1.4/1.5
MW-7	01/03/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	34.52	31.31	1.2/1.8
MW-7	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	34.51	31.32	1.7/1.4
MW-7	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.83	35.77	30.06	4.5/2.5
MW-7	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.84	37.70	28.14	0.4/0.8
MW-7	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	65.84	33.76	32.08	2.24/1.9
MW-7	04/14/2003	80	NA	2.2	1.1	3.0	9.0	NA	21	65.84	34.99	30.85	2.7/1.9
MW-7	**07/01/2003**	**<50**	**NA**	**<0.50**	**0.75**	**<0.50**	**1.1**	**NA**	**0.77**	**65.84**	**34.79**	**31.05**	**0.7/0.9**
MW-8*	06/04/1999	<50	NA	<0.500	<0.500	<0.500	<0.500	452	NA	65.07	32.19	32.88	2.1
MW-8	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	186	NA	65.07	32.19	32.88	1.8
MW-8	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	286	443	65.07	32.14	32.93	2.9/2.7
MW-8	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	65.07	36.75	28.32	2.9/2.7
MW-8	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	255	NA	65.07	37.15	27.92	1.8/2.0
MW-8	04/05/2000	<50.0e	NA	<0.500e	<0.500e	<0.500e	<0.500e	247e	NA	65.07	29.45	35.62	2.1/2.5
MW-8	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	65.07	33.13	31.94	0.5/0.5
MW-8	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	123	NA	65.07	35.72	29.35	1.2/1.8
MW-8	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	173	NA	65.07	36.00	29.07	0.5/1.0
MW-8	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	65.07	33.48	31.59	1.4/1.0

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-8	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	65.07	36.12	28.95	1.0/1.2
MW-8	10/24/2001	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	360	65.07	37.73	27.34	1.4/0.5
MW-8	01/03/2002	290	NA	<0.50	<0.50	<0.50	<0.50	NA	18	65.07	35.37	29.70	1.2/1.1
MW-8	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	100	65.07	35.40	29.67	1.2/1.3
MW-8	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	230	65.07	35.05	30.02	0.3/0.4
MW-8	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	65.08	37.25	27.83	1.1/1.2
MW-8	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	97	65.08	33.01	32.07	1.4/1.7
MW-8	04/14/2003	<50	NA	<0.50	<0.50	<0.50	1.1	NA	130	65.08	34.29	30.79	2.5/0.9
MW-8	**07/01/2003**	**<250**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**430**	**65.08**	**34.04**	**31.04**	**0.6/0.8**

Irrigation Well	06/04/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA
Irrigation Well	07/22/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	NA	NA	NA	NA
Irrigation Well	12/08/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA
Irrigation Well	01/07/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA
Irrigation Well	04/05/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	27.85	NA	NA
Irrigation Well	07/12/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA
Irrigation Well	10/19/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	1.7/1.8
Irrigation Well	01/15/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	34.35	NA	1.0/1.2
Irrigation Well	04/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	31.74	NA	1.4/3.8
Irrigation Well	07/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	34.38	NA	3.0/4.0
Irrigation Well	10/24/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	36.28	NA	5.8/7.0
Irrigation Well	01/03/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	31.96	NA	3.1/3.1
Irrigation Well	04/05/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	32.00	NA	2.8/2.9
Irrigation Well	07/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	33.22	NA	4.6/4.6
Irrigation Well	10/28/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	35.55	NA	1.7/1.9
Irrigation Well	01/07/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	31.20 h	NA	1.4./1.0
Irrigation Well	04/14/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	32.35	NA	3.9/4.3

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
Irrigation Well	07/01/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	0.64	NA	33.03	NA	3.7/4.9

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to April 30, 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 April 30, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
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
D = Duplicate sample
n/n = Pre-purge/post-purge DO reading.
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

b = Equipment blank contained 80 ug/L TPH-G, 1.2 ug/L benzene, 17 ug/L toluene, 3.2 ug/L ethylbenzene, 16 ug/L xylenes, and 15 ug/L MTBE

c = Sample was analyzed outside the EPA recommended holding time.

d = DO Reading not taken.

e = Result was generated out of hold time.

f = Stinger broke off in well; removed on subsequent return trip.

g = Unable to complete sample due to equipment failure.

h = Depth to water at five minutes purge time.

* Pre-purge samples

TOC elevation of wells MW-1, MW-2, and MW-3 resurveyed March 29, 1994

Site surveyed on June 21, 1999 by Virgil Chavez land surveying, Vallejo, CA.

Site surveyed on March 14, 2002 by Virgil Chavez land surveying, Vallejo, CA.

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			Benzene			MTBE		
09/02/98	MW-1	130	130	07/15/98	<50	0.00003	0.00003	2.5	0.00000	0.00000	12	0.00001	0.00001
07/30/99	MW-1	0	130	07/22/99	<50	0.00000	0.00003	<0.500	0.00000	0.00000	2.17	0.00000	0.00001
08/05/99	MW-1	0	130	07/22/99	<50	0.00000	0.00003	<0.500	0.00000	0.00000	2.17	0.00000	0.00001
08/11/99	MW-1	0	130	07/22/99	<50	0.00000	0.00003	<0.500	0.00000	0.00000	2.17	0.00000	0.00001
08/12/99	MW-1	0	130	07/22/99	<50	0.00000	0.00003	<0.500	0.00000	0.00000	2.17	0.00000	0.00001
08/13/99	MW-1	400	530	07/22/99	<50	0.00008	0.00011	<0.500	0.00000	0.00000	2.17	0.00001	0.00002
08/19/99	MW-1	278	808	07/22/99	<50	0.00006	0.00017	<0.500	0.00000	0.00000	2.17	0.00001	0.00003
08/30/99	MW-1	240	1048	07/22/99	<50	0.00005	0.00022	<0.500	0.00000	0.00000	2.17	0.00000	0.00003
09/09/99	MW-1	247	1295	07/22/99	<50	0.00005	0.00027	<0.500	0.00000	0.00001	2.17	0.00000	0.00003
09/02/98	MW-3	240	240	07/18/98	31,000	0.06208	0.06208	1,100	0.00220	0.00220	3,700	0.00741	0.00741
07/30/99	MW-3	0	130	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/05/99	MW-3	0	130	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/11/99	MW-3	0	530	07/22/99	1,970	0.00000	0.06208	51.2	0.00000	0.00220	109	0.00000	0.00741
08/12/99	MW-3	100	908	07/22/99	1,970	0.00164	0.06373	51.2	0.00004	0.00225	109	0.00009	0.00750
08/13/99	MW-3	450	1,358	07/22/99	1,970	0.00740	0.07112	51.2	0.00019	0.00244	109	0.00041	0.00791
08/19/99	MW-3	269	1,627	07/22/99	1,970	0.00442	0.07555	51.2	0.00011	0.00255	109	0.00024	0.00815
08/30/99	MW-3	204	1,831	07/22/99	1,970	0.00335	0.07890	51.2	0.00009	0.00264	109	0.00019	0.00834
09/09/99	MW-3	232	2,063	07/22/99	1,970	0.00381	0.08271	51.2	0.00010	0.00274	109	0.00021	0.00855
09/02/98	MW-5	147	147	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
07/30/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/05/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/11/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/12/99	MW-5	0	147	07/22/99	97,200	0.00000	0.00000	4,580	0.00000	0.00000	4,330	0.00000	0.00000
08/13/99	MW-5	100	247	07/22/99	97,200	0.08111	0.08111	4,580	0.00382	0.00382	4,330	0.00361	0.00361
08/19/99	MW-5	247	494	07/22/99	97,200	0.20033	0.28144	4,580	0.00944	0.01326	4,330	0.00892	0.01254
08/30/99	MW-5	0	494	07/22/99	97,200	0.00000	0.28144	4,580	0.00000	0.01326	4,330	0.00000	0.01254
09/09/99	MW-5	65	559	07/22/99	97,200	0.05272	0.33416	4,580	0.00248	0.01575	4,330	0.00235	0.01489

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			Benzene			MTBE		
11/28/00	MW-5	324	883	10/19/00	72,400	0.19574	0.52990	3,010	0.00814	0.02388	2,840	0.00768	0.02256
01/23/01	MW-5	375	1,258	01/15/01	78,300	0.24501	0.77491	2,220	0.00695	0.03083	1,370	0.00429	0.02685
02/16/01	MW-5	950	2,208	01/15/01	78,300	0.62069	1.39561	2,220	0.01760	0.04843	1,370	0.01086	0.03771
03/22/01	MW-5	500	2,708	01/15/01	78,300	0.32668	1.72229	2,220	0.00926	0.05769	1,370	0.00572	0.04343
04/23/01	MW-5	600	3,308	01/15/01	78,300	0.39202	2.11431	2,220	0.01111	0.06881	1,370	0.00686	0.05029
07/16/01	MW-5	165	3,473	04/30/01	83,000	0.11428	2.22858	1,400	0.00193	0.07073	3,400	0.00468	0.05497
08/23/01	MW-5	650	4,123	07/24/01	160,000	0.86781	3.09639	2,400	0.01302	0.08375	1,400	0.00759	0.06256
09/10/01	MW-5	450	4,573	07/24/01	160,000	0.60079	3.69719	2,400	0.00901	0.09276	1,400	0.00526	0.06782
10/30/01	MW-5	250	4,823	07/24/01	160,000	0.33377	4.03096	2,400	0.00501	0.09777	1,400	0.00292	0.07074
11/26/01	MW-5	260	5,083	10/31/01	14,000	0.03037	4.06134	150	0.00033	0.09809	110	0.00024	0.07098
12/17/01	MW-5	300	5,383	10/31/01	14,000	0.03505	4.09638	150	0.00038	0.09847	110	0.00028	0.07125
01/29/02	MW-5	725	6,108	01/03/02	62,000	0.37508	4.47146	660	0.00399	0.10246	860	0.00520	0.07645
07/24/02	MW-5	250	6,358	07/11/02	140,000	0.29205	4.76351	1,900	0.00396	0.10643	1,700	0.00355	0.08000
08/30/02	MW-5	95	6,453	07/11/02	140,000	0.11098	4.87449	1,900	0.00151	0.10793	1,700	0.00135	0.08135
09/26/02	MW-5	250	6,703	07/11/02	140,000	0.29205	5.16655	1,900	0.00396	0.11190	1,700	0.00355	0.08490
10/24/02	MW-5	150	6,853	07/11/02	140,000	0.17523	5.34178	1,900	0.00238	0.11427	1,700	0.00213	0.08702
11/19/02	MW-5	150	7,003	10/28/02	30,000	0.03755	5.37933	340	0.00043	0.11470	<200	0.00013	0.08715
12/26/02	MW-5	525	7,528	10/28/02	30,000	0.13142	5.51075	340	0.00149	0.11619	<200	0.00044	0.08759
01/15/03	MW-5	300	7,828	01/07/03	72,000	0.18024	5.69099	720	0.00180	0.11799	1,100	0.00275	0.09034
02/24/03	MW-5	300	8,128	01/07/03	72,000	0.18024	5.87123	720	0.00180	0.11979	1,100	0.00275	0.09309
03/24/03	MW-5	350	8,478	01/07/03	72,000	0.21028	6.08150	720	0.00210	0.12190	1,100	0.00321	0.09631
04/21/03	MW-5	850	9,328	04/14/03	110,000	0.78020	6.86170	900	0.00638	0.12828	1,400	0.00993	0.10624
05/21/03	MW-5	310	9,638	04/14/03	110,000	0.28454	7.14624	900	0.00233	0.13061	1,400	0.00362	0.10986
06/26/03	MW-5	300	9,938	04/14/03	110,000	0.27536	7.42161	900	0.00225	0.13286	1,400	0.00350	0.11336
07/24/03	MW-5	750	10,688	07/01/03	94,000	0.58828	8.00989	970	0.00607	0.13893	2,900	0.01815	0.13151
08/22/03	MW-5	250	10,938	07/01/03	94,000	0.19609	8.20598	970	0.00202	0.14095	2,900	0.00605	0.13756
09/25/03	MW-5	251	11,189	07/01/03	94,000	0.19688	8.40285	970	0.00203	0.14299	2,900	0.00607	0.14363
11/28/00	MW-6	365	365	10/19/00	39,600	0.12061	0.12061	4,050	0.01234	0.01234	14,200	0.04325	0.04325

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			Benzene			MTBE		
01/23/01	MW-6	482	847	01/15/01	64,800	0.26062	0.26062	2,090	0.00841	0.00841	<1,250	0.00251	0.04576
02/16/01	MW-6	650	1,497	01/15/01	64,800	0.35146	0.35146	2,090	0.01134	0.01134	<1,250	0.00339	0.04915
03/22/01	MW-6	980	2,477	01/15/01	64,800	0.52990	0.52990	2,090	0.01709	0.01709	<1,250	0.00511	0.05426
04/23/01	MW-6	900	3,377	01/15/01	64,800	0.48664	0.48664	2,090	0.01570	0.01570	<1,250	0.00469	0.05896
07/16/01	MW-6	700	4,077	04/30/01	27,000	0.15771	0.15771	2,300	0.01343	0.01343	6,800	0.03972	0.09868
08/23/01	MW-6	400	4,477	07/20/01	29,000	0.09679	0.09679	2,100	0.00701	0.00701	7,100	0.02370	0.12237
09/10/01	MW-6	600	5,077	07/20/01	29,000	0.14519	0.14519	2,100	0.01051	0.01051	7,100	0.03555	0.15792
10/30/01	MW-6	250	5,327	10/24/01	38,000	0.07927	0.07927	1,400	0.00292	0.00292	4,800	0.01001	0.16793
11/26/01	MW-6	150	5,477	10/24/01	38,000	0.04756	0.04756	1,400	0.00175	0.00175	4,800	0.00601	0.17394
12/17/01	MW-6	300	5,777	10/24/01	38,000	0.09513	0.09513	1,400	0.00350	0.00350	4,800	0.01202	0.18596
01/29/02	MW-6	100	5,877	01/03/02	10,000	0.00834	0.00834	810	0.00068	0.00068	4,100	0.00342	0.18938
02/19/02	MW-6	500	6,377	01/03/02	10,000	0.04172	0.04172	810	0.00338	0.00338	4,100	0.01711	0.20649
03/19/02	MW-6	200	6,577	01/03/02	10,000	0.01669	0.01669	810	0.00135	0.00135	4,100	0.00684	0.21333
04/24/02	MW-6	350	6,927	04/05/02	19,000	0.05549	0.05549	1,100	0.00321	0.00321	4,300	0.01256	0.22589
05/29/02	MW-6	300	7,227	04/05/02	19,000	0.04756	0.04756	1,100	0.00275	0.00275	4,300	0.01076	0.23665
06/26/02	MW-6	700	7,927	04/05/02	19,000	0.11098	0.11098	1,100	0.00643	0.00643	4,300	0.02512	0.26177
07/24/02	MW-6	250	8,177	07/11/02	26,000	0.05424	0.05424	1,100	0.00229	0.00229	5,400	0.01126	0.27303
08/30/02	MW-6	95	8,272	07/11/02	26,000	0.02061	0.02061	1,100	0.00087	0.00087	5,400	0.00428	0.27731
09/26/02	MW-6	250	8,522	07/11/02	26,000	0.05424	0.05424	1,100	0.00229	0.00229	5,400	0.01126	0.28858
10/24/02	MW-6	200	8,722	07/11/02	26,000	0.04339	0.04339	1,100	0.00184	0.00184	5,400	0.00901	0.29759
11/19/02	MW-6	200	8,922	10/28/02	11,000	0.01836	0.01836	230	0.00038	0.00038	2,500	0.00417	0.30176
12/26/02	MW-6	525	9,447	10/28/02	11,000	0.04819	0.04819	230	0.00101	0.00101	2,500	0.01095	0.31271
01/15/03	MW-6	830	10,277	01/10/03	17,000	0.11774	0.11774	840	0.00582	0.00582	3,400	0.02355	0.33626
02/24/03	MW-6	700	10,977	01/10/03	17,000	0.09930	0.09930	840	0.00491	0.00491	3,400	0.01986	0.35612
03/24/03	MW-6	650	11,627	01/10/03	17,000	0.09221	0.09221	840	0.00456	0.00456	3,400	0.01844	0.37456
04/21/03	MW-6	550	12,177	04/14/03	31,000	0.14227	0.14227	810	0.00372	0.00372	3,800	0.01744	0.39200
05/21/03	MW-6	612	12,789	04/14/03	31,000	0.15831	0.15831	810	0.00414	0.00414	3,800	0.01941	0.41141
06/26/03	MW-6	450	13,239	04/14/03	31,000	0.11640	0.11640	810	0.00304	0.00304	3,800	0.01427	0.42568
07/24/03	MW-6	1,200	14,439	07/01/03	1,400	0.01402	0.01402	88	0.00088	0.00088	1,900	0.01903	0.44470

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			**Benzene**			**MTBE**		
08/22/03	*MW-6*	*150*	*14,589*	*07/01/03*	1,400	0.00175	0.00175	88	0.00011	0.00011	1,900	0.00238	0.44708
09/25/03	MW-6	251	14,840	07/01/03	1,400	0.00293	0.00293	88	0.00018	0.00018	1,900	0.00398	0.45106
Total Gallons Extracted:			**28,819**		**Total Pounds Removed:**		**12.12147**			**0.30357**			**0.60328**
					Total Gallons Removed:		**1.98713**			**0.04158**			**0.09730**

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
ppb = Parts per billion
gal = Gallon
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10^6µg) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene and MTBE analyzed by EPA Method 8260
If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.
Groundwater extracted by vacuum trucks provided by ECI. Water disposed of at a Martinez Refinery.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date	Well ID	Interval Hours of Operation (hours)	System Flow Rate (CFM)	Hydrocarbon Concentrations (Concentrations in ppmv) TPHg	Benzene	MTBE	TPHg Removal Rate (#/hour)	TPHg Cumulative TPHg Removed (#)	Benzene Removal Rate (#/hour)	Benzene Cumulative Benzene Removed (#)	MTBE Removal Rate (#/hour)	MTBE Cumulative MTBE Removed (#)
							TPHg		**Benzene**		**MTBE**	
11/28/00	MW-5	4.00	6.8	2,060	57.4	38.0	0.187	0.749	0.005	0.019	0.004	0.014
12/19/00	MW-5	2.00	3.8	<2.84	<0.0314	<0.111	0.000	0.749	0.000	0.019	0.000	0.014
01/23/01	MW-5	4.00	9.5	6,060	11.3	118	0.770	3.828	0.001	0.024	0.015	0.075
02/16/01	MW-5	4.00	5.0	141	5.0	3.8	0.009	3.865	0.000	0.025	0.000	0.077
03/22/01	MW-5	4.00	20.7	292	9.1	18.1	0.081	4.189	0.002	0.035	0.005	0.097
04/23/01	MW-5	4.00	4.1	330	4.4	28.0	0.018	4.261	0.000	0.035	0.002	0.103
07/16/01	MW-5	4.00	10.8	2,400	3.4	14	0.346	5.647	0.000	0.037	0.002	0.112
08/23/01	MW-5	4.00	6.9	4,100	8.3	19	0.378	7.160	0.001	0.040	0.002	0.119
09/10/01	MW-5	4.00	7.2	3,000	5.7	9.4	0.289	8.315	0.000	0.042	0.001	0.122
10/30/01	MW-5	4.00	10.8	4,300	7.5	13	0.621	10.798	0.001	0.046	0.002	0.130
11/26/01	MW-5	3.67	9.4	6,800	11	22	0.854	13.934	0.001	0.050	0.003	0.141
12/17/01	MW-5	4.00	7.6	8,300	15	45	0.843	17.307	0.001	0.056	0.005	0.159
01/29/02	MW-5	3.00	5.0	710	6.2	41	0.047	17.450	0.000	0.057	0.003	0.168
02/19/02	MW-5	3.00	6.8	450	2.9	17	0.041	17.572	0.000	0.058	0.002	0.172
07/24/02	MW-5	3.00	8.2	3,200	5.4	11	0.351	18.625	0.001	0.059	0.001	0.176
08/30/02	MW-5	3.00	5.0	17	0.14	1.0	0.001	18.628	0.000	0.059	0.000	0.176
09/26/02	MW-5	3.00	17.7	NA	NA	NA	0.000	18.628	0.000	0.059	0.000	0.176
10/24/02	MW-5	3.00	9.9	13,000	9.1	26	1.720	23.789	0.001	0.063	0.004	0.187
11/19/02	MW-5	3.00	9.3	17,000	21	280	2.113	30.130	0.002	0.070	0.036	0.294
12/26/02	MW-5	3.00	5.4	1,300	3.3	15	0.094	30.411	0.000	0.070	0.001	0.297
01/15/03	MW-5	3.00	9.2	760	5.8	27	0.093	30.692	0.001	0.072	0.003	0.307
02/24/03	MW-5	4.00	7.5	1,100	4.9	27	0.110	31.133	0.000	0.074	0.003	0.318
03/24/03	MW-5	3.00	2.6	586.05	2.92	18.27	0.020	31.194	0.000	0.074	0.001	0.320
04/21/03	MW-5	2.50	3.7	145.13	8.61	21.82	0.007	31.212	0.000	0.075	0.001	0.323
05/21/03*	MW-5	3.00	3.5	NA	NA	NA	0.007	31.232	0.000	0.077	0.001	0.326
06/26/03	MW-5	3.00	7.7	3,906.98	6.15	49.09	0.402	32.439	0.001	0.078	0.005	0.342

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

							TPHg		Benzene		MTBE	
		Interval Hours of	System Flow	Hydrocarbon Concentrations			TPHg Removal Rate	Cumulative TPHg Removed	Benzene Removal Rate	Cumulative Benzene Removed	MTBE Removal Rate	Cumulative MTBE Removed
Date	Well ID	Operation (hours)	Rate (CFM)	TPHg (Concentrations in ppmv)	Benzene	MTBE	(#/hour)	(#)	(#/hour)	(#)	(#/hour)	(#)
07/24/03**	MW-5	2.75	11.2	NA	NA	NA	0.585	34.047	0.001	0.081	0.008	0.362
08/22/03	MW-5	2.75	6.0	6,000	1.6	27	0.481	35.371	0.000	0.081	0.002	0.368
09/25/03	MW-5	3.00	12.8	9,300	6.2	33	1.591	40.145	0.001	0.084	0.006	0.386
11/28/00	MW-6	2.00	5.6	278	7.13	18.0	0.021	0.042	0.000	0.001	0.001	0.003
12/19/00	MW-6	4.00	5.1	2.84	0.0314	0.111	0.000	0.042	0.000	0.001	0.000	0.003
01/23/01	MW-6	4.00	7.1	581	13.1	19.0	0.055	0.263	0.001	0.005	0.002	0.010
02/16/01	MW-6	4.00	3.1	3.1	<0.031	<0.28	0.000	0.263	0.000	0.005	0.000	0.010
03/22/01	MW-6	4.00	13.8	647	47	17.8	0.120	0.742	0.008	0.037	0.003	0.024
04/23/01	MW-6	4.00	15.4	130	14	47	0.027	0.849	0.003	0.047	0.010	0.063
07/16/01	MW-6	4.00	12.3	310	8.1	16	0.051	1.053	0.001	0.052	0.003	0.074
08/23/01	MW-6	4.00	9.0	650	8.8	16	0.078	1.366	0.001	0.056	0.002	0.082
09/10/01	MW-6	4.00	8.3	320	3.8	9.8	0.036	1.508	0.000	0.058	0.001	0.086
10/30/01	MW-6	4.00	13.0	520	5.1	6.4	0.090	1.869	0.001	0.061	0.001	0.091
11/26/01	MW-6	4.00	4.1	690	4.8	5.5	0.038	2.020	0.000	0.062	0.000	0.092
12/17/01	MW-6	4.00	12.6	590	4.1	7.2	0.099	2.418	0.001	0.064	0.001	0.097
01/29/02	MW-6	3.00	5.4	51	0.082	0.88	0.004	2.429	0.000	0.064	0.000	0.097
02/19/02	MW-6	3.00	5.9	130	5.1	11	0.010	2.460	0.000	0.065	0.001	0.100
03/19/02	MW-6	6.00	6.3	5.6	<0.050	0.14	0.000	2.463	0.000	0.065	0.000	0.100
04/24/02	MW-6	6.00	7.3	76	3.9	9.3	0.007	2.507	0.000	0.068	0.001	0.106
05/29/02	MW-6	10.50	6.1	67	2.9	7.0	0.005	2.564	0.000	0.070	0.001	0.112
06/26/02	MW-6	7.00	9.8	190	4.4	10	0.025	2.739	0.001	0.073	0.001	0.121
07/24/02	MW-6	3.00	9.2	11	0.10	<0.10	0.001	2.743	0.000	0.073	0.000	0.121
08/30/02	MW-6	3.00	10.1	280	3.1	5.5	0.038	2.856	0.000	0.075	0.001	0.123
09/26/02	MW-6	3.00	17.7	NA	NA	NA	0.000	2.856	0.000	0.075	0.000	0.123
10/24/02	MW-6	5.00	12.9	1,000	3.3	4.7	0.172	3.718	0.001	0.077	0.001	0.128

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

Date	Well ID	Interval Hours of Operation (hours)	System Flow Rate (CFM)	Hydrocarbon Concentrations (Concentrations in ppmv) TPHg	Benzene	MTBE	TPHg Removal Rate (#/hour)	TPHg Cumulative TPHg Removed (#)	Benzene Removal Rate (#/hour)	Benzene Cumulative Benzene Removed (#)	MTBE Removal Rate (#/hour)	MTBE Cumulative MTBE Removed (#)
							TPHg		**Benzene**		**MTBE**	
11/19/02	MW-6	3.00	8.8	3,300	6.6	98	0.388	4.883	0.001	0.079	0.012	0.163
12/26/02	MW-6	3.00	6.8	160	5.0	10	0.015	4.927	0.000	0.081	0.001	0.166
01/15/03	MW-6	3.25	9.3	170	10	19	0.021	4.995	0.001	0.084	0.002	0.174
02/24/03	MW-6	3.50	15.8	210	8.1	20	0.044	5.151	0.002	0.090	0.004	0.189
03/24/03	MW-6	3.00	6.6	NA	NA	NA	0.000	5.151	0.000	0.090	0.000	0.189
04/21/03	MW-6	3.00	4.0	1,535	7	41	0.082	5.397	0.000	0.091	0.002	0.195
05/21/03*	MW-6	3.00	3.5	NA	NA	NA	0.072	5.612	0.000	0.092	0.002	0.201
06/26/03	MW-6	3.00	8.4	256.74	5.23	21.55	0.029	5.699	0.001	0.093	0.002	0.209
07/24/03**	MW-6	2.50	13.8	NA	NA	NA	0.047	5.817	0.001	0.095	0.004	0.219
08/22/03	MW-6	3.33	8.3	460	2.3	4.7	0.051	5.987	0.000	0.096	0.001	0.221
09/25/03	MW-6	3.00	12.7	480	1.8	3.0	0.081	6.232	0.000	0.097	0.001	0.222
Total Pounds Removed:							**TPHg =**	**46.376**	**Benzene =**	**0.181**	**MTBE =**	**0.608**

Abbreviations and Notes:

CFM = Cubic feet per minute

TPHg = Total petroleum hydrocarbons as gasoline (C6-C12) by modified EPA Method 8015 in 1 liter tedlar bag samples

ppmv = Parts per million by volume

= Pounds

TPHG, Benzene, and MTBE analyzed by EPA Method 8260 in 1 liter tedlar bag samples

TPHg / Benzene / MTBE removal rate = Rate based on Bay Area Air Quality Management District's Manual of Procedures for Soil Vapor Extraction dated July 17, 1991.

(Rate = Concentration (ppmv) x system flow rate (cfm) x (1lb-mole/386ft3) x molecular weight (86 lb/lb-mole for TPHg, 78 lb/lb-mole for benzene, 88 lb/lb-mole for MTBE) x 60 min/hour x 1/1,000,000)

Cumulative TPHg / Benzene / MTBE removal = Previous removal rate multiplied by the hour-interval of operation plus the previous total

If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.

* = Calculated mass removal is estimated from 04/21/03 lab data.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98996067, 1285 Bancroft Avenue, San Leandro, California

							TPHg		Benzene		MTBE	
		Interval	System				TPHg	Cumulative	Benzene	Cumulative	MTBE	Cumulative
		Hours of	Flow	Hydrocarbon Concentrations			Removal	TPHg	Removal	Benzene	Removal	MTBE
	Well	Operation	Rate	TPHg	Benzene	MTBE	Rate	Removed	Rate	Removed	Rate	Removed
Date	ID	(hours)	(CFM)	(Concentrations in ppmv)			(#/hour)	(#)	(#/hour)	(#)	(#/hour)	(#)

** = Calculated mass removal is estimated from 06/26/03 lab data.

03/26/03

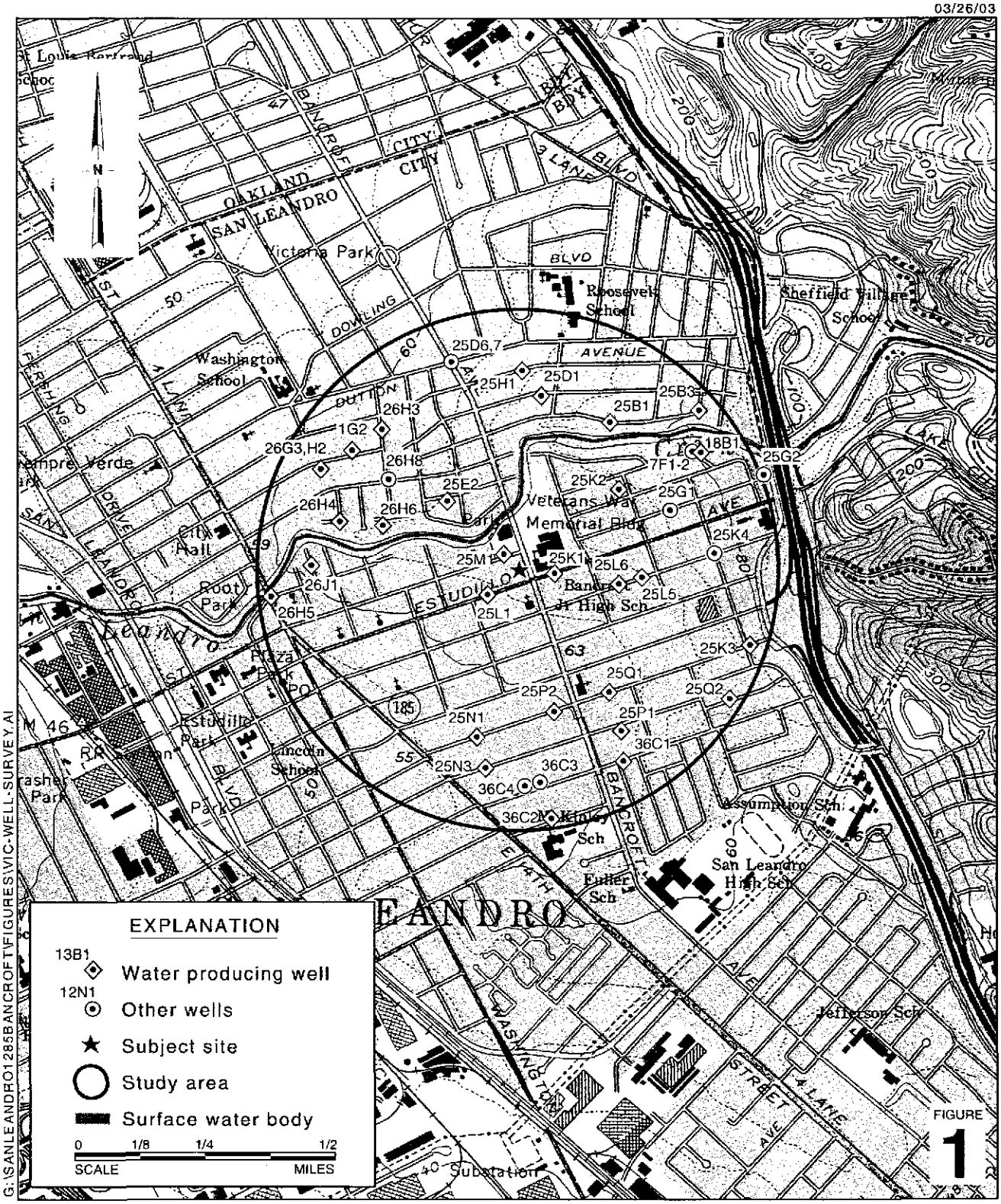

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FIGURE
1

Shell-branded Service Station
1285 Bancroft Avenue
San Leandro, California
Incident #98996067

CAMBRIA

Vicinity / Area Well Survey Map
(1/2-Mile Radius)

Table 1. Well Survey - Shell Service Station - WIC# 204-6852-0703, 1285 Bancroft, San Leandro, California

Well ID	Notes	Installation Date	Owner	Use	Depth (feet)
2S/3W-25M2	1	March-90	Shell Oil Company	MON	60
2S/3W-25B3	2	February-91	Brad Jones	DOM	145
2S/3W-25K4	2	March-91	M. Sturbeuant & T. McCormick	MON	30
2S/3W-25B1	2	May-77	Arthur Lund	IRR	72
2S/3W-25D1	2	August-77	Bob Eversole	IRR	55
2S/3W-25D6	2	May-88	Chevron	MON	50
2S/3W-25D7	2	May-88	Chevron	MON	50
2S/3W-25D8	3	September-88	Unocal	MON	48
2S/3W-25E2	2	September-77	J. A. Thompson	IRR	60
2S/3W-25G1	2	UNK	EBMUD	CAT	61
2S/3W-25G2	2	June-81	EBMUD	CAT	65
2S/3W-25H1	2	April-46	Charles Davis	DOM	78
2S/3W-25K1	2	September-33	A.W.Scalasy	DOM	93
2S/3W-25K2	2	1949	A. Young	IRR	102
2S/3W-25K3	2	January-47	Funucchi	DOM	76
2S/3W-25L1	2	September-37	Charles Hale	DOM	88
2S/3W-25L5	2	September-77	Emil Sereda	IRR	82
2S/3W-25L6	2	September-77	James Meyer	IRR	83
2S/3W-25M1	2	August-41	City of San Leandro	IRR	93
2S/3W-25N1	2	June-77	Tony Yalek	IRR	57
2S/3W-25N3	2	September-88	Luke & Olive Deasy	IRR	65
2S/3W-25P1	2	April-77	George Bradley Land	IRR	51
2S/3W-25P2	2	UNK	Alan Quadros	DOM	UNK
2S/3W-25Q1	2	1949	Sal Tulions	IRR	81
2S/3W-25Q2	2	September-77	Edmond Saustina	IRR	83
2S/3W-26G3	2	UNK	Dennis Omick	IRR	UNK
2S/3W-26H2	2	April-77	Dennis Omick	IRR	54
2S/3W-26H3	2	July-77	Tom Saedden	IRR	57
2S/3W-26H4	2	August-77	Dacis Hemricksen	IRR	60
2S/3W-26H5	2	UNK	UNK	IRR	54
2S/3W-26H6	2	June-77	Stuart Work	IRR	60
2S/3W-26J1	2	1949	Mr. Lopez	IND	130
2S/3W-36C1	2	1957	M. J. Crosby	IRR	62
2S/3W-36C2	2	UNK	Fran P. Tabler	IRR	58
2S/3W-36C3	2	UNK	Donald Walter	UNK	UNK
2S/3W-36C4	2	UNK	Steve Campouris	UNK	UNK
3S/1W-7F1	2	November-55	N. Bufardeci	TES	112

Table 1. Well Survey - Shell Service Station - WIC# 204-6852-0703, 1285 Bancroft, San Leandro, California

Well ID	Notes	Installation Date	Owner	Use	Depth (feet)
3S/1W-7F2	2	November-55	N. Bufardeci	TES	65
3S/1W-18B1	2	July-54	N. Bufardeci	DOM	260
4S/2W-1G2	2	October-50	W. Becker	IRR	571
2S/3W-25D9	3	UNK	Unocal	UNK	UNK
2S/3W-25D10	3	UNK	Unocal	UNK	UNK
2S/3W-25M3	1	February-92	Shell Oil Company	MON	60
2S/3W-25M4	1	February-92	Shell Oil Company	MON	59
2S/3W-26H8	2	December-91	Pacific Gas and Electric	OTH	117

Abbreviations:

MON = Monitoring well

DOM = Domestic well

IRR = Irrigation well

IND = Industrial well

CAT = Cathodic protection well

TES = Test well or test boring

UNK = Unknown

OTH = Other

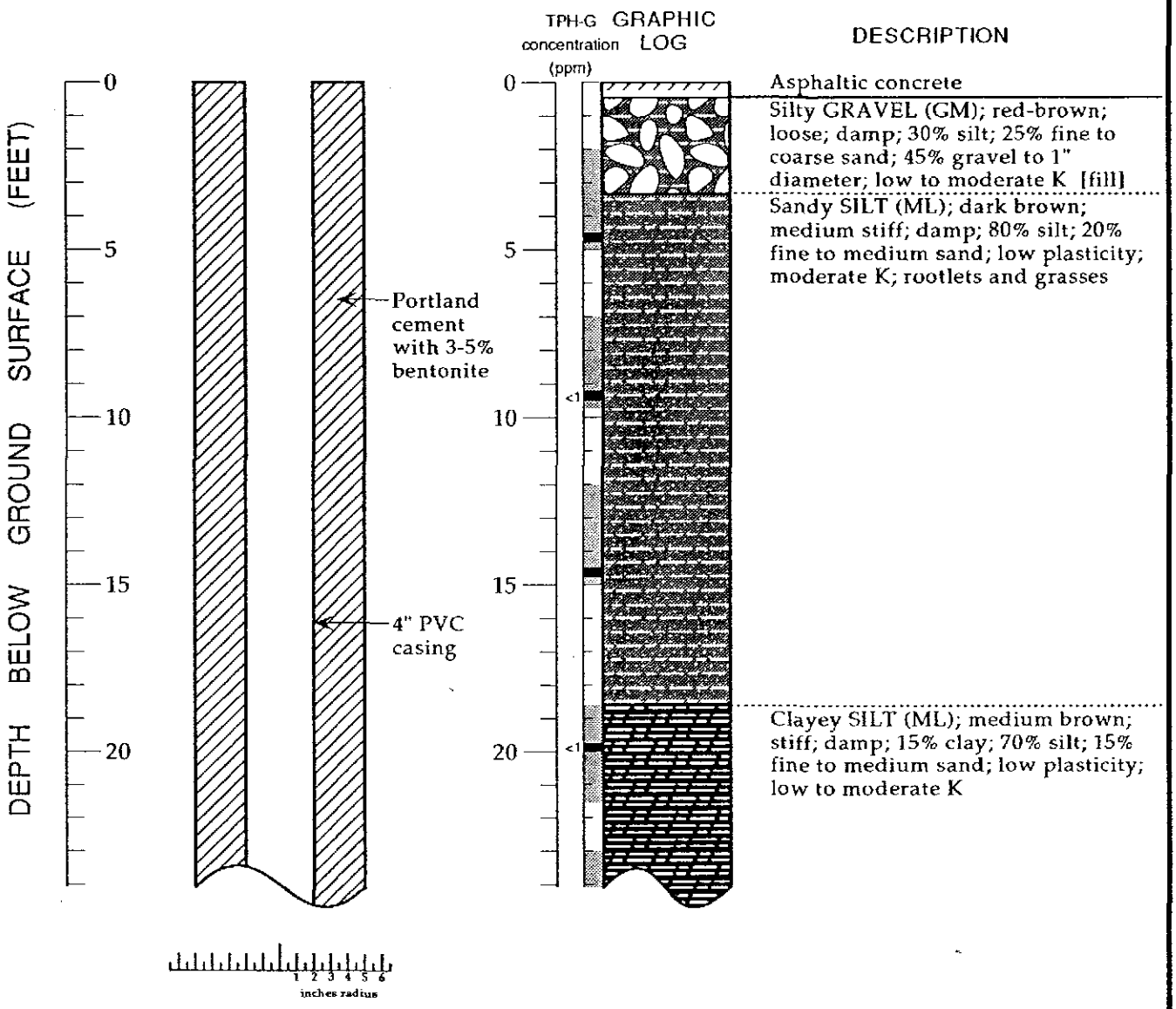
Notes:

1 = Not shown on Figure 1, well located on subject site

2 = Wells labelled on Figure 1 by letter and numbers after hyphen in Well ID

3 = Not shown on Figure 1, well located outside of study area

WELL MW-1 (BH-A)



EXPLANATION

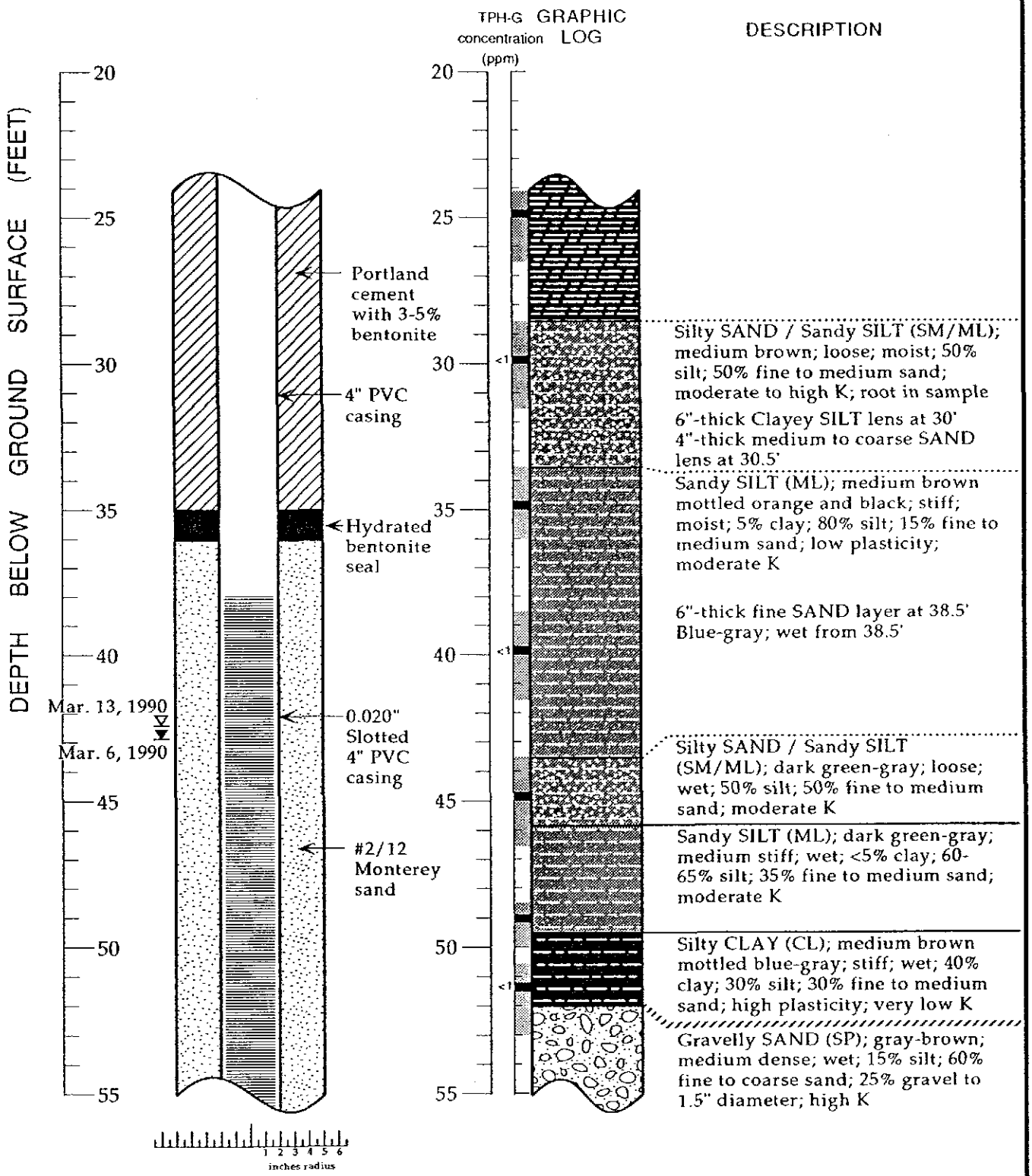
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Karin Sixt
Supervisor: Richard B. Weiss; CEG 1112
Drilling Company: HEW Drilling, East Palo Alto, CA
License Number: C57-384167
Driller: Casto Pineda
Drilling Method: Hollow-stem auger
Date Drilled: March 6, 1990
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (1.5", 2" ID)
Ground Surface Elevation: 66.60 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

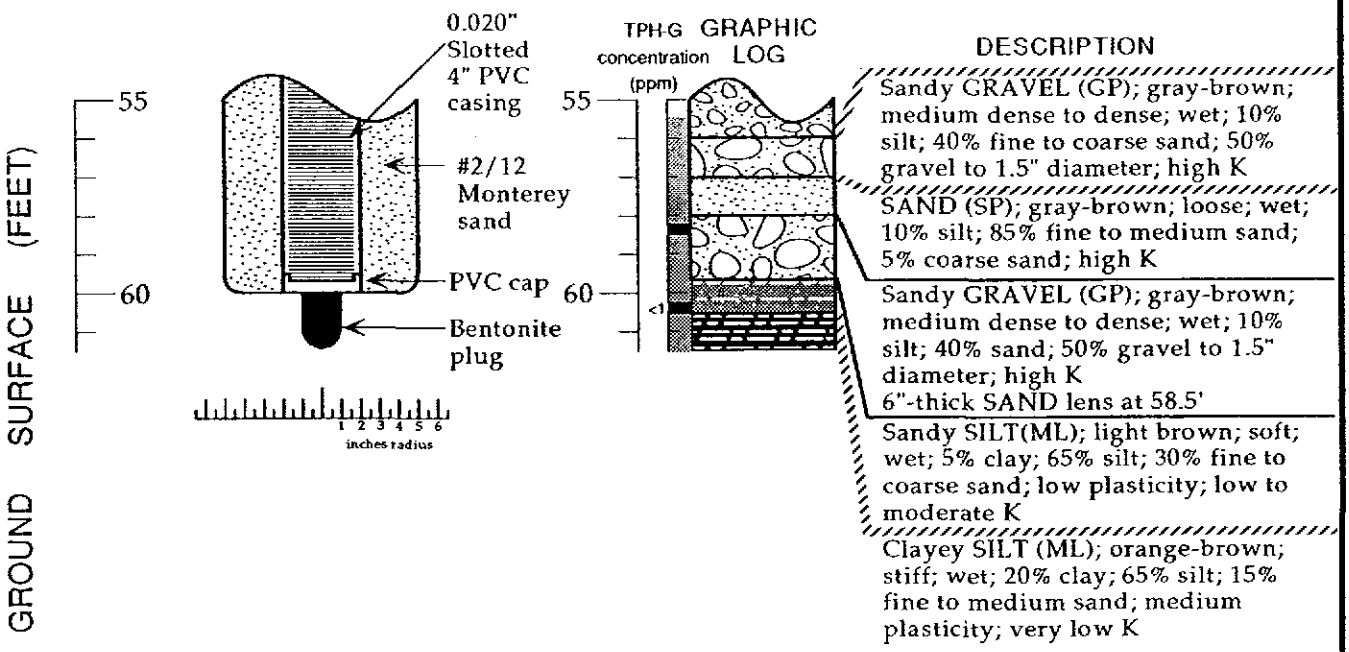
3/5/92

WELL MW-1 (BH-A) (cont.)



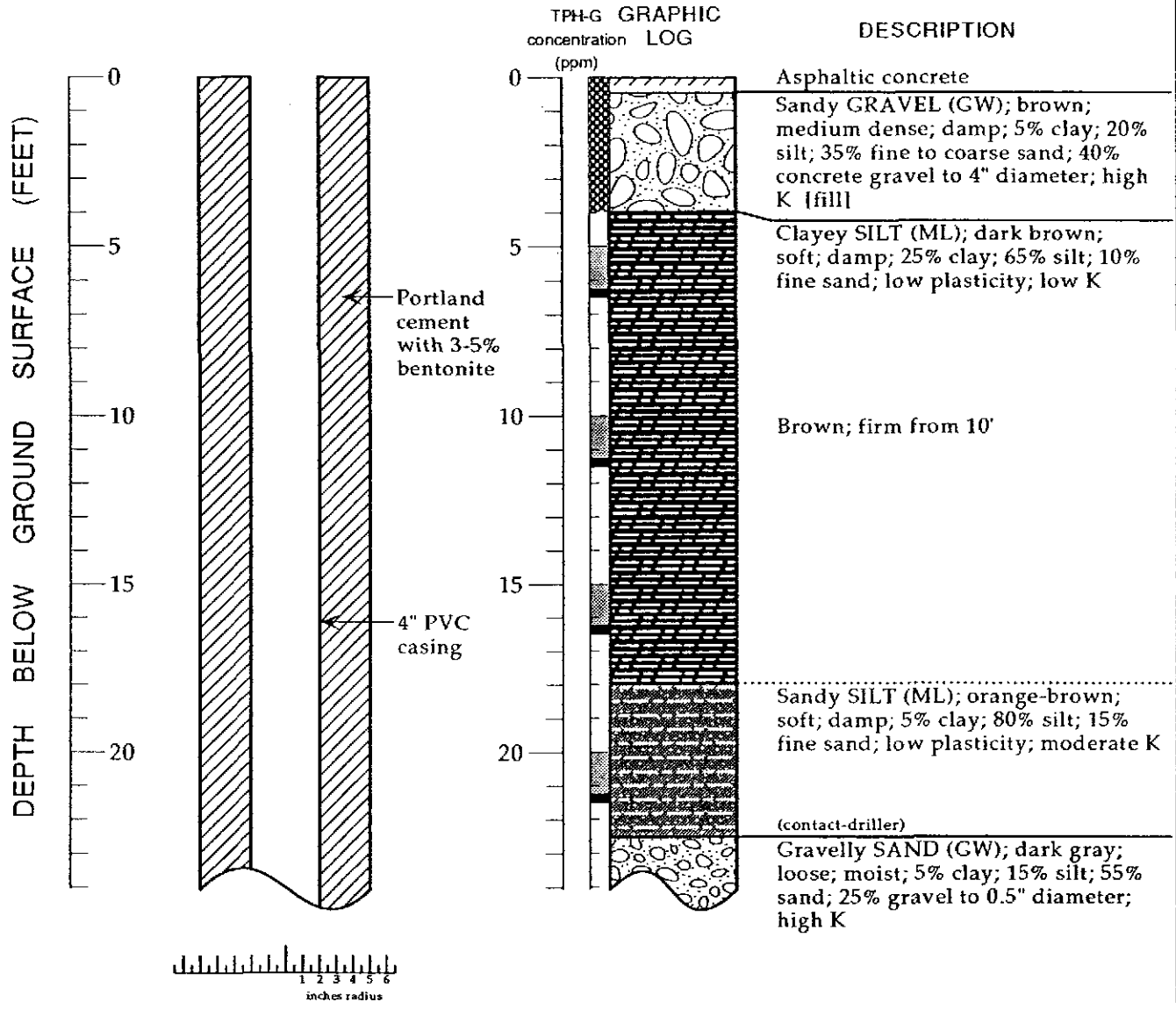
Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-1 (BH-A) (cont.)



Boring Log and Well Construction Details - Well MW-1 (BH-A) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-2 (BH-B)



EXPLANATION

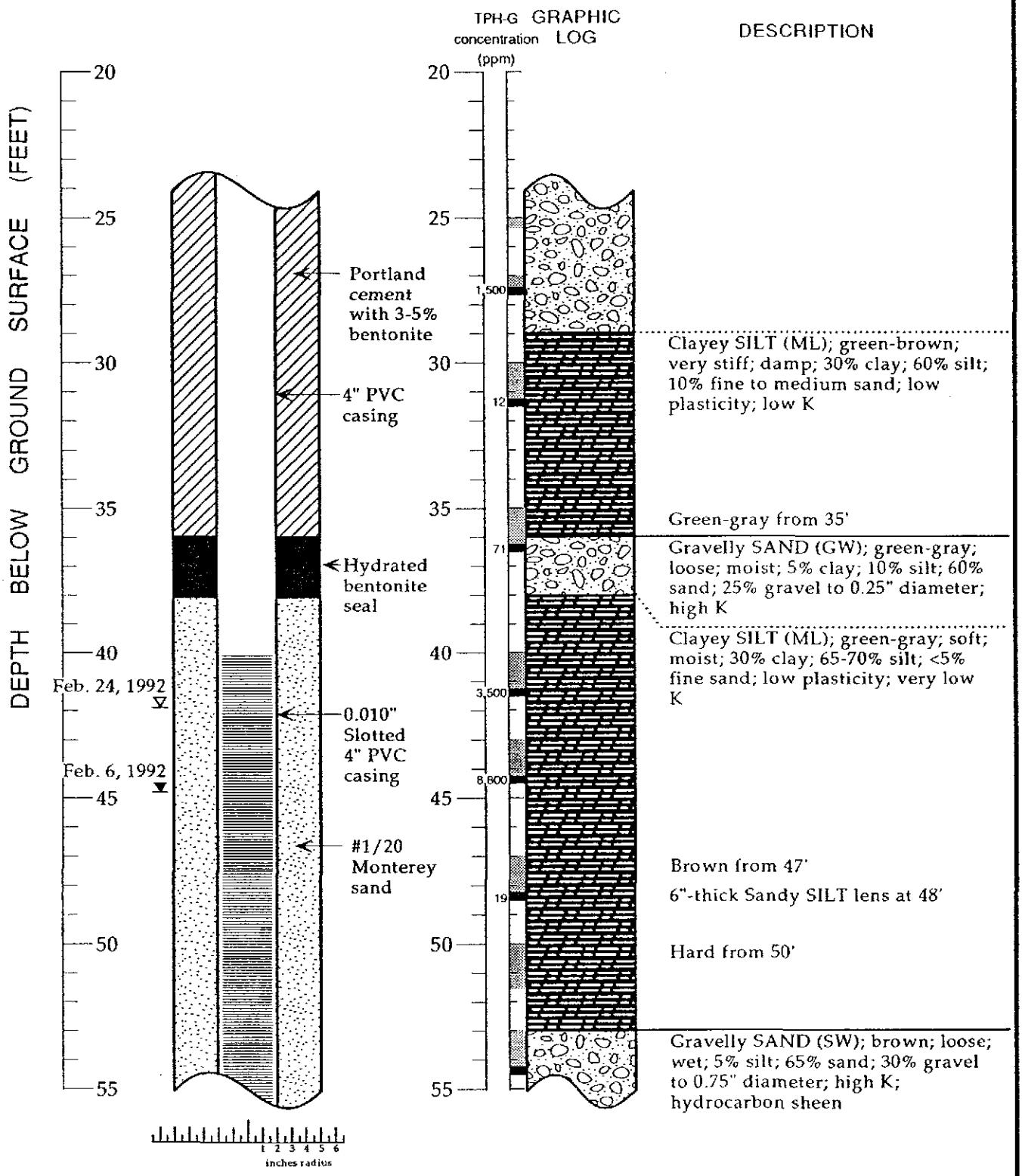
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 6, 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (2" ID)
Ground Surface Elevation: 67.37 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

2/29/92

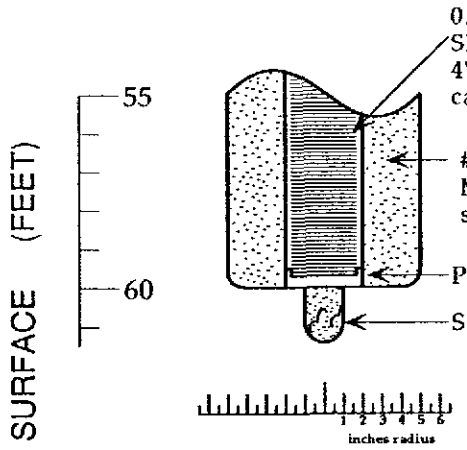
WELL MW-2 (BH-B) (cont.)

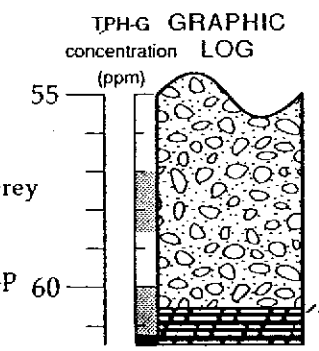


Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

4/10/92

WELL MW-2 (BH-B) (cont.)





DESCRIPTION

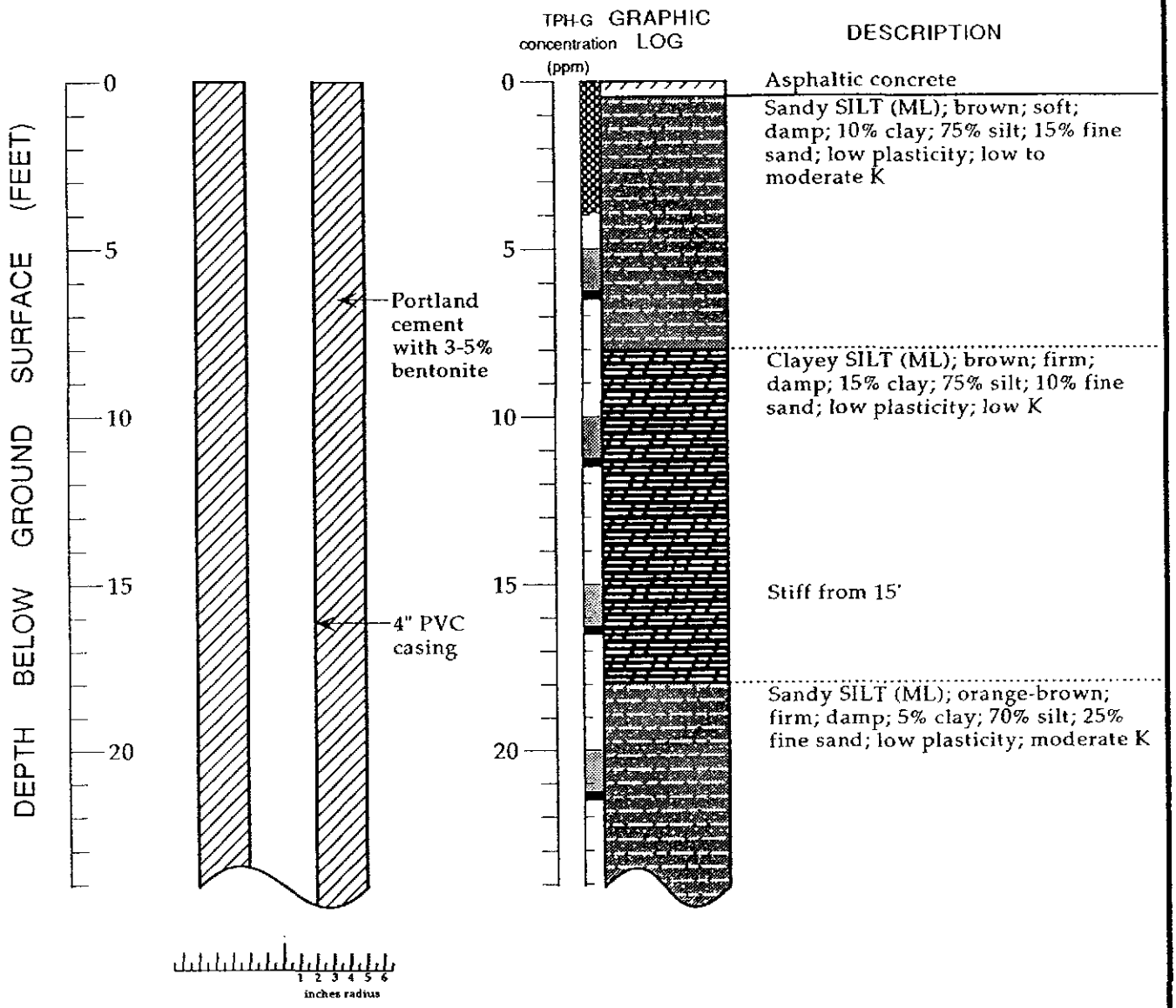
DEPTH BELOW GROUND SURFACE (FEET)

Clayey SILT (ML); brown; firm; 35% clay; 60% silt; 5% fine to medium sand; low plasticity; low K

Boring Log and Well Construction Details - Well MW-2 (BH-B) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

4/10/92

WELL MW-3 (BH-C)



EXPLANATION

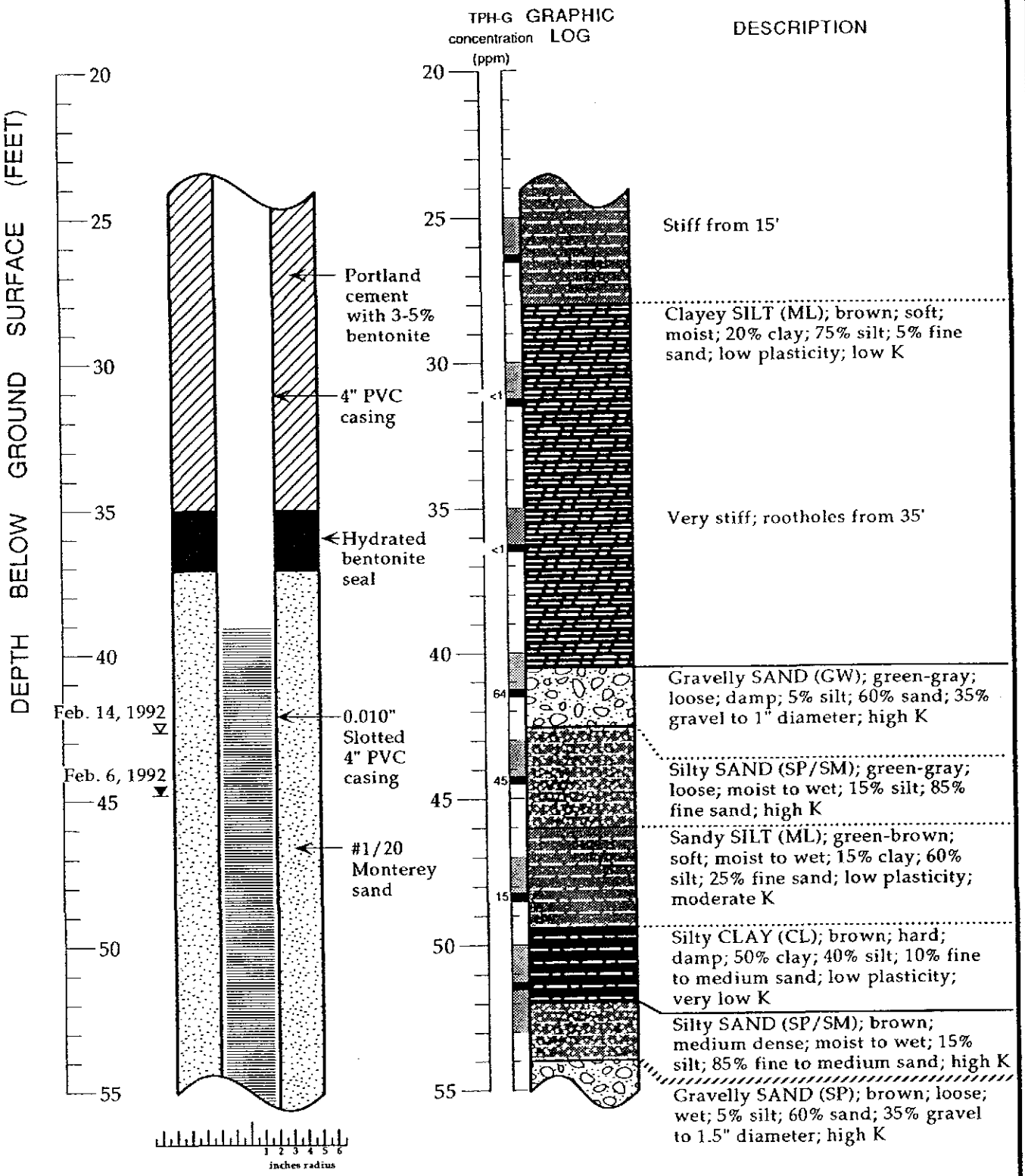
- Water level during drilling (date)
- Water level (date)
- Contact (dotted where approximate)
- Uncertain contact
- Gradational contact
- Location of recovered drive sample
- Location of drive sample sealed for chemical analysis
- Cutting sample
- K = Estimated hydraulic conductivity

Logged By: Tom Fojut
Supervisor: Joseph P. Theisen; CEG 1645
Drilling Company: Soils Exploration Services, Benicia, CA
License Number: C57-582696
Driller: Courtney Mossman
Drilling Method: Hollow-stem auger
Date Drilled: February 7, 1992
Well Head Completion: 4" locking well-plug, traffic-rated vault
Type of Sampler: Split barrel (1.5", 2" ID)
Ground Surface Elevation: 66.31 feet above mean sea level
TPH-G: Total petroleum hydrocarbon as gasoline in soil by modified EPA Method 8015

Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

2/28/92

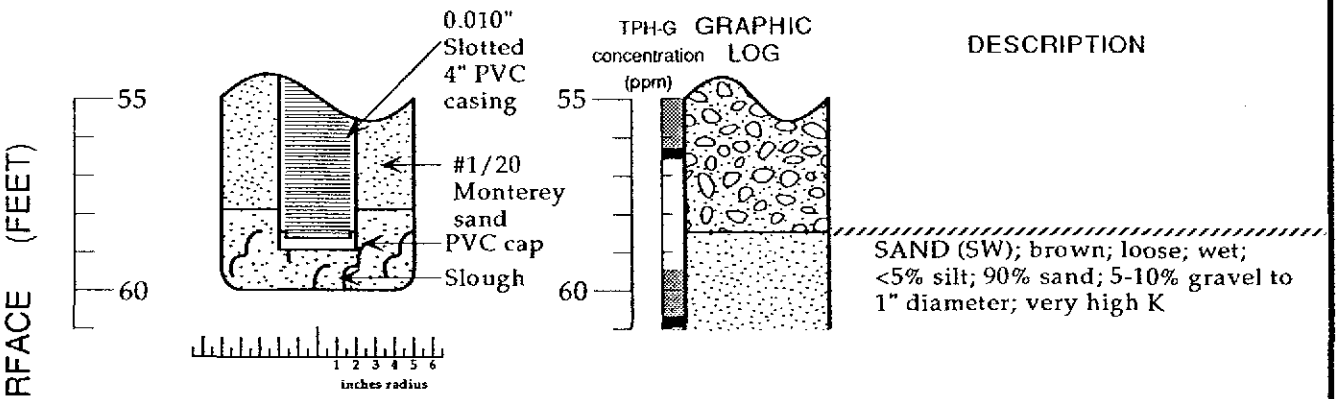
WELL MW-3 (BH-C) (cont.)



Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

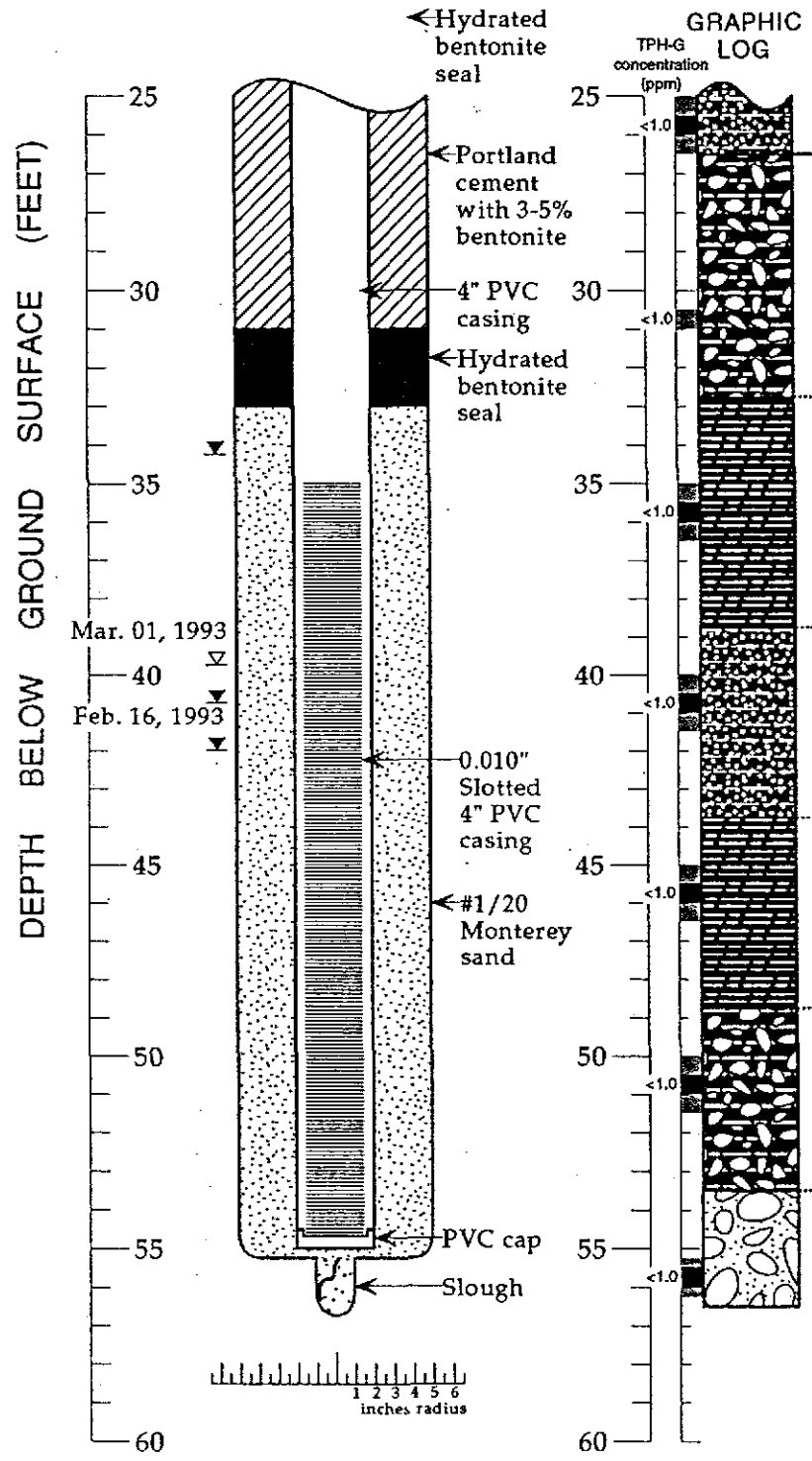
2/28/92

WELL MW-3 (BH-C) (cont.)



Boring Log and Well Construction Details - Well MW-3 (BH-C) - Shell Service Station WIC #204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

WELL MW-4 (BH-F) (cont.)



GRAPHIC LOG

TPH-G concentration (ppm)

DESCRIPTION

Gravelly SILT (ML); yellow-brown; medium stiff to stiff; damp; 10% clay; 45% silt; 20% fine to medium sand; 25% rounded to subrounded gravel to 0.25" diameter; low plasticity; low to moderate K

Clayey SILT (ML); light brown mottled brown; medium stiff to stiff; damp; 20% clay; 65% silt; 10% very fine sand; 5% gravel to 0.25" diameter; low plasticity; low K

Silty SAND (SM); light brown-gray; loose; damp to moist; 20% silt; 65% fine to medium sand; 15% subrounded gravel to 0.25" diameter; moderate to high K

Clayey SILT (ML); light brown; soft; moist to wet; 35% clay; 60% silt; 5% very fine sand; high plasticity; low K

Gravelly SILT (ML); light brown; stiff; moist; 5% clay; 60% silt; 10% fine to medium sand; 25% rounded to subrounded gravel to 1" diameter; low plasticity; moderate K

Sandy GRAVEL (GP); brown-gray; loose; moist; 5% silt; 30% fine to coarse sand; 65% fine to coarse gravel to 1.5" diameter; high to very high K

Boring Log and Well Construction Details - Well MW-4 (BH-F) - Shell Service Station, WIC# 204-6852-0703, 1285 Bancroft Avenue, San Leandro, California

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	snl1285	**DRILLING STARTED**	18-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	18-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	6"/10"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	33.0 ft (18-May-99)
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	33.30ft (18-May-99)
REMARKS	Hand augered to 5' bgs; located 9' SW of SW UST slab corner.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
				0		**Silty Sandy GRAVEL**; (FILL); dry; 10% clay, 15% silt, 35% sand, 40% gravel; no plasticity; high estimated permeability.	2.0
						Clayey SILT; (ML); brown; stiff; damp; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.	
<1.0	10 10 3	100%	MW-5 -5'	5			
<1.0	5 5 13	100%	MW-5 -10'	10	ML	@ 10' - very stiff.	
<1.0	10 16 20	100%	MW-5 -15'	15		@ 15' - hard.	
<1.0	9 11 16	100%	MW-5 -20'	20		@ 15' - very stiff.	
							22.5
<1.0	5 5 8	100%	MW-5 -25'	25	ML	**Sandy Clayey SILT**; (ML); brown; stiff; damp; 30% clay, 45% silt, 25% fine grained sand; low plasticity; low estimated permeability.	
							27.5
<1.0	4 5 7	100%	MW-5 -30'	30	SC	**Clayey SAND**; (SC); brown; medium dense; damp; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	
				35			

WELL DIAGRAM: Portland Type I/II; 4" diam., Schedule 40 PVC; Bentonite Seal; Monterey Sand #3

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-5
JOB/SITE NAME	snl1285	**DRILLING STARTED**	18-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	18-May-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
1.91	15 21 15	100%	MW-5 -35'					@ 35' - dense; wet.		
									37.5	4"-diam., 0.010" Slotted Schedule 40 PVC
10.5	6 8 11	100%	MW-5 -40'		40	GW		**Sandy GRAVEL**; (GW); grey to black; medium dense; wet; 10% silt, 30% sand, 60% fine to coarse grained gravel; no plasticity; high estimated permeability.		
									42.5	
6.67	19 28 45	100%	MW-5 -45'		45	SC		**Silty Gravelly Clayey SAND**; (SC); brown; very dense; wet; 25% clay, 15% silt, 45% fine grained sand, 15% gravel; low plasticity; low estimated permeability.		
					50				50.0	Bottom of Boring @ 50 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	32.0 ftNA
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Silty Clayey Sandy GRAVEL; (FILL); brown; damp; 20% clay, 15% silt, 25% sand, 40% gravel; low plasticity; low estimated permeability.	2.0
						Clayey SAND; (SC); brown; damp; 25% clay, 10% silt, 65% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-6 -5'	5			
<1.0	NA	100%	MW-6 -10'	10			
<1.0	NA	100%	MW-6 -15'	15			
<1.0	NA	100%	MW-6 -20'	20	SC		
<1.0	NA	100%	MW-6 -25'	25			
<1.0	NA	100%	MW-6 -30'	30			
				35			

WELL DIAGRAM

- Portland Type I/II
- 2"-diam., 0.010" Slotted Schedule 40 PVC
- Bentonite Seal
- Monterey Sand #3

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-6
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
273	NA	100%	MW-6 -35'							
								Clayey Sandy GRAVEL; (GC); brown; wet; 20% clay, 10% silt, 30% sand, 50% fine to coarse grained gravel; low plasticity; high estimated permeability.	37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
96.1	NA	100%	MW-6 -40'		40	GC				
								Clayey SAND; (SC); brown; wet; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	42.5	
1.83	NA	100%	MW-6 -45'		45	SC				
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	35.6 ft (17-May-99)
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	32.90ft (17-May-99)

REMARKS Hand augered to 5' bgs; located in driveway behind Shell on property line.

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	DEPTH (ft bgs)	U.S.C.S.	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)
						Sandy Clayey GRAVEL; (FILL); brown; dry; 20% clay, 10% silt, 20% sand, 50% gravel; low plasticity; low estimated permeability.	2.0
					SC	**Clayey SAND**; (SC); brown; damp; 30% clay, 10% silt, 60% fine grained sand; low plasticity; low estimated permeability.	5.0
<1.0	NA	100%	MW-7 -5'	5	ML	**Clayey SILT**; (ML); brown; damp; 30% clay, 60% silt, 10% fine grained sand; low plasticity; low estimated permeability.	7.5
<1.0	NA	100%	MW-7 -10'	10	SC	**Silty Clayey SAND**; (SC); brown; damp; 30% clay, 20% silt, 50% fine grained sand; low plasticity; low estimated permeability.	12.5
<1.0	NA	100%	MW-7 -15'	15	ML	**Clayey SILT**; (ML); brown; damp; 30% clay, 50% silt, 20% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-7 -20'	20			22.5
<1.0	NA	100%	MW-7 -25'	25	SC	**Silty Clayey SAND**; (SC); brown; damp; 35% clay, 25% silt, 40% fine grained sand; low plasticity; low estimated permeability.	
<1.0	NA	100%	MW-7 -30'	30			
				35			

WELL DIAGRAM: Portland Type I/II; 2" diam., Schedule 40 PVC; Bentonite Seal; Monterey Sand #3

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-7
JOB/SITE NAME	snl1285	**DRILLING STARTED**	17-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	17-May-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0	NA	100%	MW-7 -35'							
								▽		
									37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
								Clayey SAND; (SC); brown; wet; 30% clay, 10 % silt, 60% fine grained sand; low plasticity; low estimated permeability.		
<1.0	NA	100%	MW-7 -40'		40					
						SC				
<1.0	NA	100%	MW-7 -45'		45					
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	snl1285	**DRILLING STARTED**	19-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	19-May-99
PROJECT NUMBER	241-0504	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hollow-stem auger limited access	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	8"	**SCREENED INTERVAL**	25 to 50 ft bgs
LOGGED BY	J. Riggi	**DEPTH TO WATER (First Encountered)**	36.0 ft (19-May-99) ▽
REVIEWED BY	A. Le May, RG	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
								CONCRETE.	0.3	
								Sandy Clayey SILT; (ML); brown; damp; 25% clay, 60% silt, 15% fine grained sand; low plasticity; low estimated permeability.		
<1.0		100%	MW-8 -5'		5					Portland Type I/II
						ML				
<1.0		100%	MW-8 -10'		10					
<1.0		100%	MW-8 -15'		15					2" diam., Schedule 40 PVC
									17.5	
								Silty Clayey SAND; (SC); brown; damp; 25% clay, 20% silt, 55% fine grained sand; low plasticity; low estimated permeability.		
<1.0		100%	MW-8 -20'		20					Bentonite Seal
										Monterey Sand #3
<1.0		100%	MW-8 -25'		25	SC				
<1.0		100%	MW-8 -30'		30					
									32.5	
								Sandy GRAVEL; (GW); brown to grey; wet; 5% silt, 45% fine to coarse grained sand; 50% fine to coarse grained gravel; no plasticity; high estimated permeability.		
					35					

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	MW-8
JOB/SITE NAME	snl1285	**DRILLING STARTED**	19-May-99
LOCATION	1285 Bancroft Avenue, San Leandro, California	**DRILLING COMPLETED**	19-May-99

Continued from Previous Page

TPHg (mg/kg)	BLOW COUNTS	RECOVERY	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
<1.0		100%	MW-8 -35'			GW		▽		
									37.5	2"-diam., 0.010" Slotted Schedule 40 PVC
<1.0		100%	MW-8 -40'		40			**Clayey SAND**; (SC); brown; wet; 25% clay, 10% silt, 65% fine grained sand; low plasticity; low estimated permeability.		
						SC				
<1.0		100%	MW-8 -45'		45					
					50				50.0	Bottom of Boring @ 50 ft

WELL LOG (TPH-G) G:\SNL1285\GINT\SNL1285.GPJ DEFAULT.GDT 7/27/99

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
SB-1-31'	08/04/03	31	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-33'	08/04/03	33	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-35'	08/04/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-40'	08/04/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-45'	08/04/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-1-47.5'	08/04/03	47.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-32'	08/05/03	32	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-2-45'	08/05/03	45	<1.0	---	<0.0050	**0.012**	<0.0050	**0.023**	---	**0.088**	---
SB-2-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.050**	---
SB-3-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-35'	08/05/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-37'	08/05/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-40'	08/05/03	40	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-45'	08/05/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-3-50'	08/05/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-25'	08/05/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-4-30'	08/05/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-35'	08/07/03	35	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0087**	---
SB-6-37'	08/07/03	37	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-6-40'	08/07/03	40	**5.5**	---	<0.0050	<0.0050	**0.022**	<0.0050	---	**0.036**	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
SB-6-45'	08/07/03	45	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.0063**	---
SB-6-50'	08/07/03	50	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-10'	08/07/03	10	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-15'	08/07/03	15	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-20'	08/07/03	20	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-25'	08/07/03	25	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	<0.0050	---
SB-7-30'	08/07/03	30	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	---	**0.065**	---
SB-7-35'	08/07/03	35	**2.2**	---	**0.0076**	<0.0050	**0.014**	**0.017**	---	**0.25**	---
SB-7-51.5'	08/07/03	51.5	<1.0	---	<0.0050	<0.0050	<0.0050	**0.016**	---	<0.0050	---
B-1-6.5	06/26/00	6.5	**5.33**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00820**	<0.0500	---	---
B-1-17.5	06/26/00	17.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-20.5	06/26/00	20.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-25.0	06/26/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-1-35.5	06/26/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.0500	---	---
B-2-6.0	06/26/00	6.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00960**	<0.00500	---	---
B-2-11.0	06/26/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00970**	<0.00500	---	---
B-2-15.0	06/26/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-21.0	06/26/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	**0.00890**	<0.00500	---	---
B-2-25.5	06/26/00	25.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-2-30.0	06/26/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-5.0	06/27/00	5.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-25.0	06/27/00	25.0	<1.00	---	<0.00500	**0.00730**	<0.00500	<0.00500	<0.00500	---	---
B-3-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-3-34.5	06/27/00	34.5	**3.03**	---	**0.0520**	**0.0228**	**0.0523**	**0.0333**	**0.436**	**0.120**	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
B-4-7.0	06/27/00	7.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-11.0	06/27/00	11.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-20.0	06/27/00	20.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-4-35.0	06/27/00	35.0	<1.00	---	**0.0422**	<0.00500	**0.0152**	<0.00500	**0.162**	**0.243**	---
B-5-7.0	06/27/00	7.0	<1.00	---	<0.00500	**0.00750**	<0.00500	<0.00500	<0.00500	---	---
B-5-10.5	06/27/00	10.5	**21.5**	---	<0.00500	**0.430**	<0.00500	<0.00500	<0.00500	---	---
B-5-15.0	06/27/00	15.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-21.0	06/27/00	21.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-5-34.5	06/27/00	34.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	**0.135**	**0.0425**	---
B-5-38.5	06/27/00	38.5	**2.82**	---	**0.0398**	**0.0142**	**0.0744**	**0.299**	**0.251**	**0.0536**	---
B-6-6.5	06/27/00	6.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-10.5	06/27/00	10.5	**3.92**	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-16.5	06/27/00	16.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-20.5	06/27/00	20.5	<1.00	---	<0.00500	**0.00950**	<0.00500	**0.00700**	<0.00500	---	---
B-6-25.0	06/27/00	25.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-30.0	06/27/00	30.0	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
B-6-35.5	06/27/00	35.5	<1.00	---	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	---	---
MW-5 (5.5)	05/18/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (10.5)	05/18/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (15.5)	05/18/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (20.5)	05/18/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (30.5)	05/18/98	30.5	<1.0	---	**1.08**	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-5 (35.5)	05/18/98	35.5	**1.91**	---	**0.0475**	**<0.0050**	**0.0172**	**0.0159**	**4.68**	**2.25**	---
MW-5 (40.5)	05/18/98	40.5	**10.5**	---	**0.0279**	**0.486**	**0.179**	**1.02**	**0.093**	---	---

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm) →								
MW-5 (45.5)	05/18/98	45.5	**6.67**	---	**0.0264**	**0.0346**	**0.0298**	**77**	<0.050	---	---
MW-6 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-6 (35.5)	05/17/98	35.5	**273**	---	**1.12**	**1.31**	**3.1**	**14.2**	**2.58**	**2.58**	---
MW-6 (40.5)	05/17/98	40.5	**96.1**	---	**0.665**	**1.07**	**1.25**	**5.51**	**1.31**	---	---
MW-6 (45.5)	05/17/98	45.5	**1.83**	---	**0.0151**	**0.0173**	**0.0141**	**0.0875**	**1.47**	---	---
MW-7 (5.5)	05/17/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (10.5)	05/17/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (15.5)	05/17/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (20.5)	05/17/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (25.5)	05/17/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (30.5)	05/17/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (35.5)	05/17/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (40.5)	05/17/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-7 (45.5)	05/17/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (5.5)	05/19/98	5.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (10.5)	05/19/98	10.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (15.5)	05/19/98	15.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (20.5)	05/19/98	20.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (25.5)	05/19/98	25.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (30.5)	05/19/98	30.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (35.5)	05/19/98	35.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	---	---
MW-8 (40.5)	05/19/98	40.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.212**	**0.210**	---
MW-8 (45.5)	05/19/98	45.5	<1.0	---	<0.0050	<0.0050	<0.0050	<0.0050	**0.0532**	---	---
BH-D	2/15/1994	25.8	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			←				(ppm)				→
BH-D	2/15/1994	27.3	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	27.0	<1	<1	**0.0075**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-E	2/15/1994	28.8	<1	<1	**0.015**	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	15.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	20.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	25.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	30.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	35.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	40.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	45.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	50.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-F (MW-4)	02/16/94	55.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-B (MW-2)	2/6/1992	27.5	**1,500**	**1,000**[a]	<0.25	<0.25	**0.82**	**6.9**	---	---	<0.002
BH-B (MW-2)	2/6/1992	31.5	**12**	---	<0.0025	<0.0025	**0.0090**	**0.058**	---	---	---
BH-B (MW-2)	2/6/1992	36.5	**71**	**16**[a]	<0.025	<0.025	**0.056**	**0.21**	---	---	<0.002
BH-B (MW-2)	2/6/1992	41.5	**3,500**	---	<1.25	<1.25	**19**	**46**	---	---	---
BH-B (MW-2)	2/6/1992	44.5	**8,800**	**4,500**[a]	<2.5	<2.5	**72**	**170**	---	---	<0.002
BH-B (MW-2)	2/6/1992	48.5	**19**	---	<0.025	<0.025	<0.025	**0.092**	---	---	---
BH-C (MW-3)	2/7/1992	31.5	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	---
BH-C (MW-3)	2/7/1992	36.5	<1	<1	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.002
BH-C (MW-3)	2/7/1992	41.5	**64**	---	<0.025	<0.025	<0.025	**0.25**	---	---	---
BH-C (MW-3)	2/7/1992	44.5	**45**	**29**[a]	<0.025	<0.025	<0.025	**0.25**	---	---	<0.002
BH-C (MW-3)	2/7/1992	48.5	**15**	---	<0.0025	<0.0025	<0.0025	**0.60**	---	---	---
BH-A (MW-1)	3/6/1990	9.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0020**
BH-A (MW-1)	3/6/1990	19.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	3/6/1990	29.7	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	<0.0020
BH-A (MW-1)	3/6/1990	39.7	<1	**1.6**[b]	<0.0025	<0.0025	<0.0025		---	---	<0.0020
BH-A (MW-1)	3/6/1990	51.2	<1	---	<0.0025	<0.0025	<0.0025	**0.0057**	---	---	**0.0045**

Table 1. Soil Analytical Results - Shell-branded Service Station, 1285 Bancroft Avenue, San Leandro, California - Incident #98996067

Sample ID	Date	Depth (fbg)	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (EPA 8020)	MTBE (EPA 8260)	PCE
			← (ppm)								→
BH-A (MW-1)	3/6/1990	61.2	<1	---	<0.0025	<0.0025	<0.0025	<0.0025	---	---	**0.0043**

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline. Prior to August 7, 2003, samples analyzed by modified EPA Method 8015; subsequently analyzed by EPA Method 8260B.
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015
MTBE = Methyl tertiary butyl ether.
PCE = Tetrachloroethene analyzed by EPA Method 8010.
fbg = feet below grade.
ppm = parts per million (milligrams per kilogram).
<n = Below detection limit of n parts per million.
--- = Not analyzed.

Notes:

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA Method 8020 prior to August 7, 3003; subsequently analyzed by EPA Method 8260B.
a = Laboratory reported that the detected compound is a hydrocarbon lighter than diesel.
b = no total petroleum hydrocarbons as motor oil detected at modified EPA method 8015 detection limit of 10 ppm
Selected samples from soil borings BH-A through BH-F were analyzed for petroeum oil and grease by American Public Health Association (APHA) Standard Method 503E

Table 3. Soil Vapor Data - Shell-branded Service Station, Incident # 98996067, 1285 Bancroft Avenue, San Leandro California

Sample ID	Date	TPHg C2-C4 Hydrocarbons	TPHg C5 + Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylenes
		← (Concentrations in ppmv) →					
BV-1-5.5	6/26/2000	<0.055	0.30	<0.0025	0.0076	<0.0022	0.011
BV-1-10.5	6/26/2000	0.064	2.4	<0.0022	0.0084	0.0055	0.022
BV-1-20.0	6/26/2000	0.06	5.0	<0.0022	0.021	0.0080	0.016
BV-1-32.0	6/26/2000	0.15	5.5	0.0037	0.013	0.0050	0.013
BV-2-5.0	6/26/2000	<0.070	2.8	<0.0028	0.0087	0.0035	0.0036
BV-2-10.0	6/26/2000	<0.060	3.6	<0.0024	0.011	0.025	0.15
BV-2-20.0	6/26/2000	0.11	5.1	0.0035	0.017	0.010	0.025
BV-2-32.5	6/26/2000	0.076	7.8	0.0024	0.027	0.015	0.024
BV-3-5.0	6/27/2000	<0.063	1.9	<0.0025	0.020	0.0025	0.0058
BV-3-10.0	6/27/2000	<0.13	2.6	<0.0053	0.029	0.0066	0.0060
BV-3-10.0-D	6/27/2000	<0.13	2.6	<0.0053	0.0028	0.0056	0.0050J
BV-3-20.0	6/27/2000	<0.063	3.5	<0.0025	0.030	0.0082	0.0088
BV-3-32.0	6/27/2000	<0.38	59	1.1M	0.19	0.1	0.13M
BV-4-5.0	6/27/2000	<0.069	3.0	<0.0028	0.014	0.0065	0.0092M
BV-4-10.0	6/27/2000	<0.062	2.0	<0.0025	0.013	0.0045	0.0087
BV-4-20.0	6/27/2000	<0.062	3.5	0.0057M	0.016	0.0081	0.015
BV-4-32.0	6/27/2000	<0.064	4.1	0.0038M	0.016	0.0083	0.0096M
BV-5-5.0	6/27/2000	<0.064	1.7	<0.0026	0.0058	0.0028	<0.0026
BV-5-10.0	6/27/2000	<0.060	1.3	0.0028	0.0087	0.0026	0.0024
BV-5-20.0	6/27/2000	<0.066	3.7	<0.0026	0.013	0.007	0.0079M
BV-5-32.0	6/27/2000	<0.064	6.7	0.0060M	0.022	0.014	0.015M
BV-6-5.0	6/27/2000	<0.064	2.6	<0.0026	0.0051	0.0036	0.0033M
BV-6-10.0	6/27/2000	<0.067	4.5	<0.0027	0.013	0.0086	0.0093M

Table 3. Soil Vapor Data - Shell-branded Service Station, Incident # 98996067, 1285 Bancroft Avenue, San Leandro California

Sample ID	Date	TPHg C2-C4 Hydrocarbons	TPHg C5 + Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylenes
		←		(Concentrations in ppmv)			→
BV-6-20.0	6/27/2000	<0.064	7.9	<0.0026	0.023	0.015	0.016M
BV-6-32.0	6/27/2000	<0.066	6.4	<0.0026	0.0018	0.011	0.012M
BV-6-32.0-D	6/27/2000	<0.066	6.6	<0.0026	0.018	0.011	0.013M

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method T0-3

Benzene, toluene, ethylbenzene, and total xylenes by modified EPA Method T0-3

ppmv = Parts per million by volume

<n = Below detection limit of n ppmv

D = Duplicate

M = Reported value may be biased due to apparent matrix interferences

J = Estimated value

Table 4. Soil Physical Data - Shell Service Station, Incident # 98996067, 1285 Bancroft Avenue, San Leandro, California

Sample ID	Date	Fraction Organic Carbon (%)	Percent Moisture (%)	Dry Bulk Density (g/cc)	Natural Bulk Density (g/cc)	Total Porosity (%)
BP-1-11.5	6/26/2000	**0.760**	**15.3**	**1.85**	**2.15**	**29.2**
BP-1-32.5	6/26/2000	**0.182**	**19.1**	**1.64**	**2.03**	**38.4**
BP-2-11.5	6/26/2000	**0.743**	**12.2**	**1.92**	**2.2**	**27.6**
BP-2-31.0	6/26/2000	**0.149**	**10.7**	**1.91**	**2.2**	**28.1**
BP-3-10.5	6/27/2000	**0.613**	**15.0**	**1.57**	**1.98**	**40.0**
BP-3-31.5	6/27/2000	**0.152**	**19.1**	**1.51**	**1.94**	**43.5**
BP-4-11.5	6/27/2000	**0.241**	**12.6**	**1.86**	**2.15**	**29.7**
BP-4-31.5	6/27/2000	**0.271**	**23.2**	**1.56**	**1.97**	**41.4**
BP-5-7.5	6/27/2000	**0.706**	**18.4**	**1.60**	**1.99**	**39.4**
BP-5-34.0	6/27/2000	**0.178**	**15.3**	**1.84**	**2.14**	**30.6**
BP-6-6.0	6/27/2000	**0.643**	**17.1**	**1.70**	**2.05**	**35.3**
BP-6-35.0	6/27/2000	**0.163**	**14.6**	**1.82**	**2.14**	**31.6**
		Average Values*:	**Average Values:**	**Average Values:**	**Average Values:**	**Average Values:**
Approx. 10 fbg		**0.693**	**15.1**	**1.75**	**2.09**	**33.5**
Approx. 32 fbg		**0.165**	**17.0**	**1.71**	**2.07**	**35.6**

Abbreviations and Notes:

Fraction organic carbon by EPA Method 415.1

Percent Moisture by EPA Method 160.3

Bulk Density by API RP-40

Total porosity by API RP-40

Fraction organic carbon and percent moisture samples were analyzed outside of the EPA recommended holding time.

fbg = feet below grade

* = Porosity values from Boring BP-4 rejected as anomalous.

jure 3. Soil sample Locations – October 4, 1995 and ___, 19__ – Shell Service Station
WIC# 204-6852-0603-1285 Bancroft Avenue, San Leandro, California