

R0303

C A M B R I A

June 23, 2005

Keith L. Matthews
Oakland Fire Department
Office of Emergency Services
1605 Martin Luther King Jr. Way
Oakland, California 94612

Re: **Dispenser and Piping Upgrade and Limited Over-Excavation
Soil Sampling Report**
Shell Service Station
230 West MacArthur Blvd.
Oakland, California
Incident #135676
Cambria Project #207-0902-001

Alameda County
JUN 29 2005
Environmental Health



Dear Mr. Matthews:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Cambria Environmental Technology, Inc. (Cambria) is submitting this *Dispenser and Piping Upgrade and Limited Over-Excavation Soil Sampling Report* which presents the results of sampling conducted during station upgrade activities at the referenced site. Presented below are a summary of site conditions, sampling activities, and analytical results.

SITE CONDITIONS

Site Location: This Shell service station is located on the northwest corner of West MacArthur Boulevard and Piedmont Avenue in Oakland, California (Figure 1). Three underground storage tanks (USTs), two dispenser islands, and a kiosk are currently on site. The site is surrounded by commercial properties and Kaiser Hospital. A former Gulf service station, now the Oakland Auto Works auto repair shop, is located northwest and adjacent to the site (Figure 2).

SAMPLING ACTIVITIES

Personnel Present: Keith Matthews, Fire Inspector, Oakland Fire Department (OFD),
April 18, 2005
Andy Ellsmore, Staff Geologist, Cambria, April 18, 2005
Stewart Dalie, Senior Staff Geologist, Cambria, April 27, 2005

Cambria
Environmental
Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Sampling Dates: April 18, 2005 and April 27, 2005

Sampling Requirements: As directed by Mr. Matthews during field activities on April 18, 2005, one soil sample was collected beneath each of the dispensers and beneath product piping (Figure 2). Attachment A presents Cambria's standard procedures for dispenser and piping sampling.

Dispenser Sampling: Under Mr. Matthews' direction on April 18, 2005, five dispenser soil samples (D-1-4.0, D-2-1.5, D-2-3.5, D-3-3.0, and D-4-4.0) were collected at depths of between 1.5 and 4 feet below grade (fbg) and into native soil. Field indications of hydrocarbons, including staining and odor, were observed in the vicinity of the soil sample locations for dispensers 5/6 and 7/8 in the western portion of the site (Figure 2).

Piping Sampling: Under Mr. Matthews' direction on April 18, 2005, five piping trench soil samples (P-1-2.0, P-2-4.5, P-3-3.5, P-4-4.0, and P-5-4.0) were collected at depths of between 2 and 4.5 fbg and into native soil (Figure 2). Field indications of hydrocarbons, including staining and odor, were observed in the vicinity of the soil sample locations in piping trenches in the western portion of the site (Figure 2).

Limited Over-Excavation and Sampling: Based on the April 18, 2005 field observations and on the results of laboratory data, Cambria, at Shell's request and as the OFD required, submitted an April 26, 2005 *Over-Excavation Work Plan* to Mr. Matthews. As outlined in the work plan and in response to verbal directives Mr. Matthews issued on April 26, 2005, Cambria directed over-excavation to a maximum depth of 6 fbg. Based on Mr. Matthews' concern for encountering shallow groundwater, the vertical extent of over-excavation was limited to 6 fbg.

On April 27, 2005, Cambria directed over-excavation activities and collected post-excavation soil samples to further characterize the extent of hydrocarbon impact to soils beneath dispensers 5/6 and 7/8 and within the piping trenches along the western portion of the site (Figure 2). Over-excavation was conducted in two trenches perpendicular to the 5/6 and 7/8 dispenser island (Figure 2). Cambria collected eight additional over-excavation bottom and side-wall samples (EX-1-6, EX-2-6, EX-3-6, EX-4-6, EX-B-6.5, EX-5-6, EX-6-6, and EX-B2-6.5) (Figure 2). Staining and odors were observed in all over-excavation sample locations.

Sample Analyses: State-certified Severn Trent Laboratories Inc. of Pleasanton, California and Kiff Analytical of Davis, California, analyzed the soil samples for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethyl benzene, and xylenes (BTEX), methyl tert-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tert butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butyl alcohol (TBA) by EPA Method 8260B, and for total lead by EPA

Method 6010. Table 1 summarizes laboratory analytical results. Attachment B presents laboratory analytical reports and chain of custody records.


Waste Handling: To characterize soil stockpiled for disposal, one four-point composite soil sample was collected and analyzed for TPHg and BTEX by EPA Method 8260B and for lead. Total threshold limit concentration lead and STLC lead were analyzed by EPA Method 6010. Because soil lead concentrations exceeded the State of California's hazardous waste criteria, the stockpile was transported for disposal as hazardous waste to Chemical Waste Management's facility in Kettleman City, California. Attachment B presents the laboratory analytical reports and the chain of custody records.



ANALYTICAL RESULTS

Dispenser Soil Samples: TBA, DIPE, EDBE, and TAME concentrations in soil were below laboratory detection limits in all dispenser soil samples submitted for chemical analysis. TPHg was detected in three of five samples at a maximum concentration of 1,700 parts per million (ppm) in sample D-2-1.5 at 1.5 fbg. However, this sample location was removed during over-excavation activities. Benzene was detected in only one sample at a concentration of 0.060 ppm in D-2-3.5 at 3.5 fbg. Toluene, ethylbenzene, and total xylenes were detected in two of five samples at maximum concentrations of 6.6 ppm, 9.5 ppm, and 85 ppm, respectively, in sample D-2-3.5 at 3.5 fbg. MTBE was detected in only one sample at a concentration of 0.0050 ppm in sample D4-4.0 at 4 fbg. Lead concentrations in all five dispenser soil samples ranged from 6.2 ppm to 130 ppm.

Piping Soil Samples: DIPE, EDBE, and TAME concentrations in soil were below the laboratory detection limits in all five piping samples. TPHg was detected in three of five samples at a maximum concentration of 2,700 ppm in P-4-4.0 at 4 fbg. Benzene was detected in two of five samples at a maximum concentration of 4.2 ppm in P-4-4.0 at 4 fbg. Toluene was detected in three of five samples at a maximum concentration of 1.6 ppm in P-4-4.0 at 4 fbg. Ethylbenzene was detected in three of five samples at a maximum concentration of 39 ppm in P-4-4.0 at 4 fbg. Total xylenes were detected in three of five samples at a maximum concentration of 78 ppm in P-4-4.0 at 4 fbg. MTBE was detected in two of five samples at a maximum concentration of 0.30 ppm in P-4-4.0 at 4 fbg. Due to the proximity to the canopy supports, samples collected from the P-4 locations were not over-excavated (Figure 2). TBA was detected in only one sample at a maximum concentration of 0.18 ppm in P 3-3.5 at 3.5 fbg. However, the P-3 sample location was removed during over-excavation activities (Figure 2). Lead concentrations in all five piping soil samples ranged from 4.2 ppm to 140 ppm.



Over-Excavation Soil Samples: Benzene, MTBE, ETBE, and TAME concentrations in soil were below the laboratory detection limits in all eight over-excavation samples. TPHg was detected in six of eight samples at a maximum concentration of 830 ppm in sample EX-1-6 at 6 fbg. Toluene was detected in one sample at a concentration of 1.4 ppm in sample EX-1-6 at 6 fbg. Ethylbenzene was detected in two of eight samples at a maximum concentration of 4.1 ppm in EX-1-6 at 6 fbg. Total xylenes were detected in two of eight samples at a maximum concentration of 1.5 ppm in sample EX-B2-6.5 at 6.5 fbg. TBA was detected in three of eight samples at a maximum concentration of 0.017 ppm in sample EX-B-6.5 at 6.5 fbg. DIPE was detected in only one sample at a concentration of 3.3 ppm in sample EX-B2-6.5 at 6.5 fbg. Lead concentrations in all eight over-excavation soil samples ranged from 3.6 ppm to 12 ppm. Table 1 summarizes laboratory analytical results. Attachment B presents the certified analytical reports.

CONCLUSIONS

Current soil sampling results identified detectable concentrations of fuel hydrocarbons, MTBE, and fuel oxygenates. As a result, Shell submitted an April 26, 2005 *Underground Storage Tank Unauthorized Release (Leak)/Contaminant Site Report* (Attachment C) to the OFD. On behalf of Shell, Cambria directed soil excavation to the extents feasible to remove the highest concentrations of impacted soils. Post-excavation sampling results indicated that over-excavation achieved significant reductions in the final concentrations in remaining soils. This site is currently under Alameda County Health Care Services Agency oversight as an open leaking underground fuel tank case.

Cambria compared soil sampling results with applicable San Francisco Regional Water Quality Control Board environmental screening levels (ESLs) for commercial/industrial land use where groundwater is not a current or potential source of drinking water. Comparison of ESLs and analytical results in dispenser samples indicate that TPHg concentrations exceeded the ESL of 400 ppm in two samples, D-2-1.5 and D-2-3.5 at 1.5 fbg and 3.5 fbg, respectively. As previously reported, this sample location was removed during over-excavation activities. Total xylene concentrations exceeded the ESL of 1.5 ppm in two dispenser samples, D-2-1.5 and D-2-3.5 at 1.5 fbg and 3.5 fbg, respectively.

Comparison of ESLs and analytical results in piping samples indicate that TPHg concentrations exceeded the ESL in three piping samples: P-3-3.5, P-4-4.0, and P-5-4.0 at 3.5 fbg, 4.0 fbg, and 4.0 fbg, respectively. However, the P-3 and P-5 sample locations were removed during over-excavation activities (Figure 2). Benzene concentrations exceeded the ESL of 0.38 ppm in only one piping sample, P-4-4.0 at 4 fbg. Ethylbenzene exceeded the ESL of 13 ppm in only one

piping sample, P-4-4.0 at 4 fbg. Total xylene concentrations exceeded the ESL of 1.5 ppm in three piping samples: P-3-3.5, P-4-4.0, and P-5-4.0, at 3.5 fbg, 4 fbg, and 4 fbg, respectively.

Comparison of ESLs and analytical results in over-excavation samples indicated that only the TPHg concentration in over-excavation sample EX-1-6 exceeded the ESL (Table 1 and Figure 2).

CLOSING

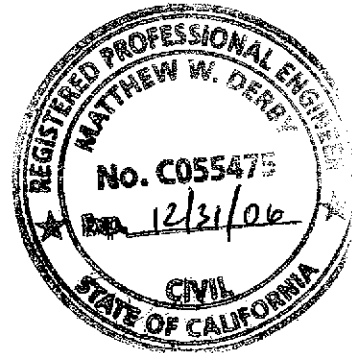


Please call David Gibbs (510) 420-3363 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

David M. Gibbs, P.G.
Project Geologist

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



Figures: 1 - Vicinity/Area Well Survey Map
2 - Soil Sample and Over-Excavation Location Map

Table: 1 - Cumulative Soil Analytical Data -TPHg, BTEX, MTBE, Oxygenates, and Lead

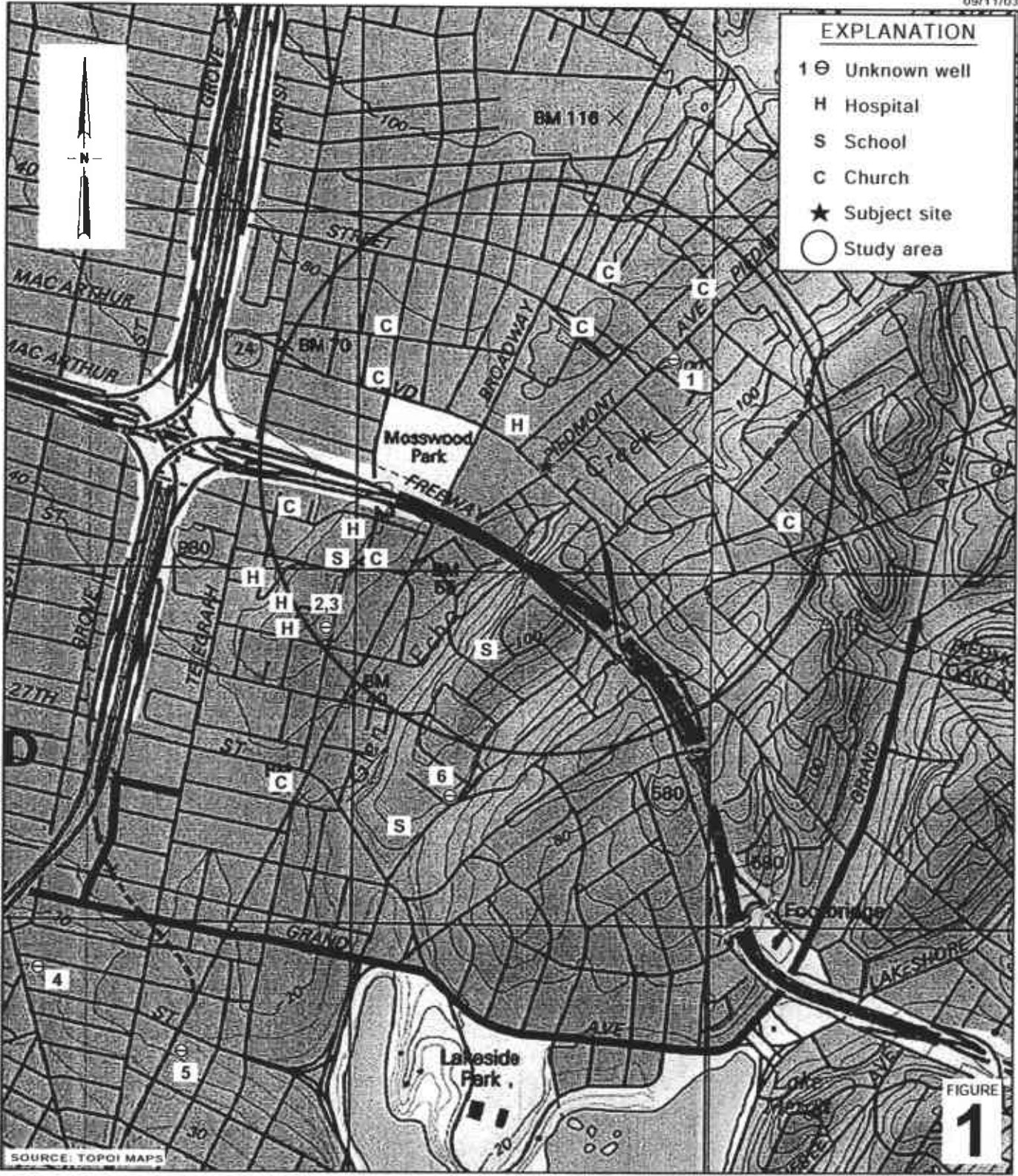
Attachments: A - Standard Piping and Dispenser Removal Sampling Procedures
B - Certified Laboratory Analytical Reports
C - Unauthorized Release Report

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington, Carson CA 90810
Bill Merchant, Shell Oil Products US, 9141 E. Stockton Blvd., Suite #250-321, Elk Grove, CA 95624
Jerry Wickham, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, 2nd Floor, Room 250, Alameda, CA, 94502-6577

G:\Oakland 230 MacArthur\2005 EVR Upgrade\Report\230 Upgrade RPT.doc

EXPLANATION

- 1 ⊕ Unknown well
- H Hospital
- S School
- C Church
- ★ Subject site
- Study area



G:\OAKLAND\230MACARTHUR\FIGURE\VIC-WELL-SURVEY.A1

SOURCE: TOPOI MAPS



Shell-branded Service Station
 230 West MacArthur Boulevard
 Oakland, California
 Incident #98995741



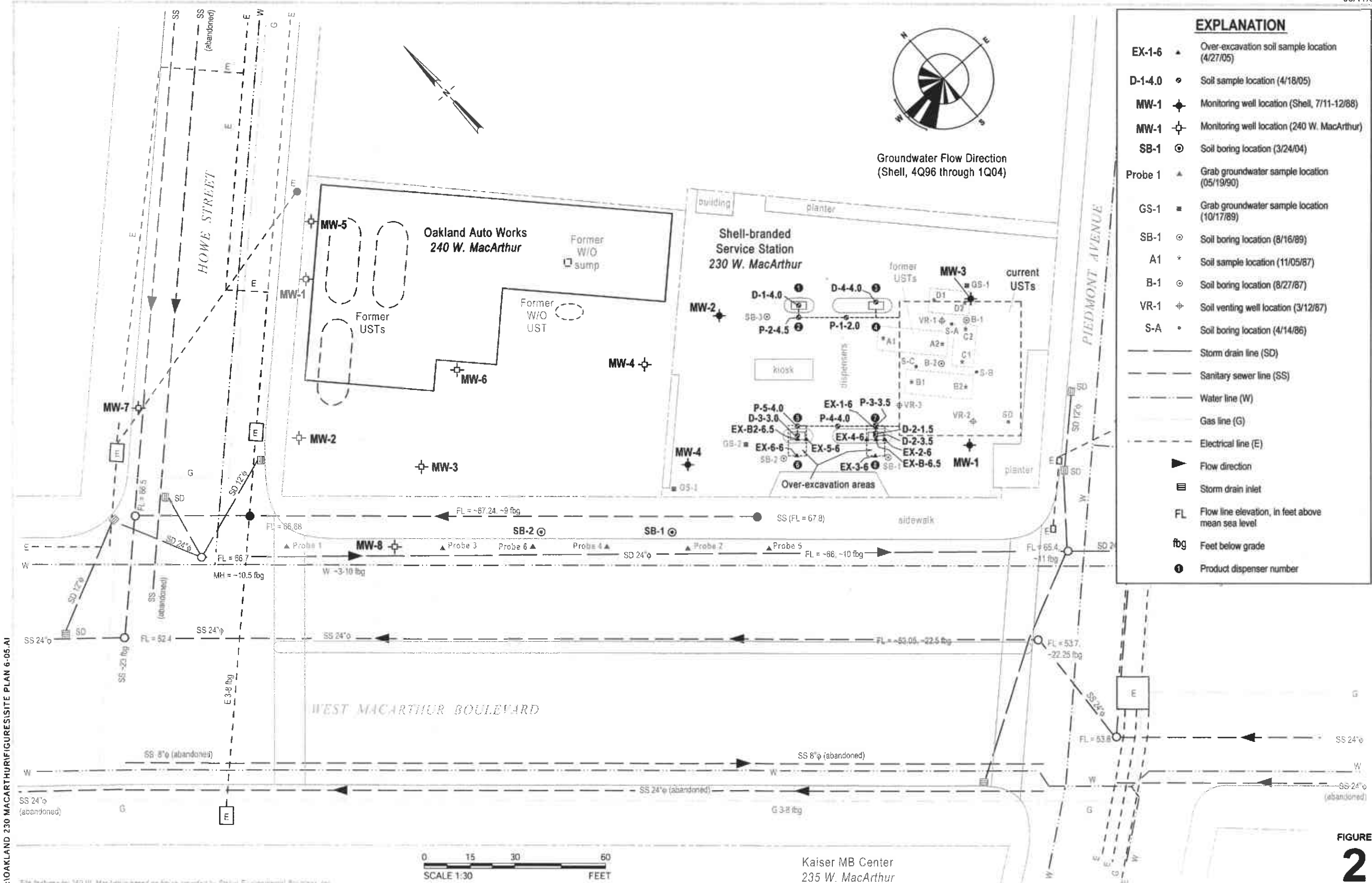
C A M B R I A

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

Soil Sample and Over-Excavation Location Map



Shell-branded Service Station
230 West MacArthur Boulevard
Oakland, California
Incident No. 98995741



EXPLANATION	
EX-1-6	▲ Over-excavation soil sample location (4/27/05)
D-1-4.0	○ Soil sample location (4/18/05)
MW-1	◆ Monitoring well location (Shell, 7/11-12/88)
MW-1	⊕ Monitoring well location (240 W. MacArthur)
SB-1	⊙ Soil boring location (3/24/04)
Probe 1	▲ Grab groundwater sample location (05/19/90)
GS-1	■ Grab groundwater sample location (10/17/89)
SB-1	⊙ Soil boring location (8/16/89)
A1	* Soil sample location (11/05/87)
B-1	⊙ Soil boring location (8/27/87)
VR-1	⊕ Soil venting well location (3/12/87)
S-A	• Soil boring location (4/14/86)
---	Storm drain line (SD)
---	Sanitary sewer line (SS)
---	Water line (W)
---	Gas line (G)
---	Electrical line (E)
▶	Flow direction
≡	Storm drain inlet
FL	Flow line elevation, in feet above mean sea level
fbg	Feet below grade
①	Product dispenser number

G:\OAKLAND 230 MACARTHUR\FIGURES\SITE PLAN 6-05.A1

Site features for 240 W. MacArthur based on Apple provided by Spatial Environmental Solutions, Inc.

0 15 30 60
SCALE 1:30 FEET

Kaiser MB Center
235 W. MacArthur

FIGURE 2

Table 1. Cumulative Soil Analytical Data - TPHg, BTEX, MTBE, Oxygenates, and Lead - Shell-branded Service Station - Incident # 98995741, 230 W. MacArthur Boulevard, Oakland, California

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	parts per million					Total Lead	Organic Lead
								TBA	MTBE	DIPE	ETBE	TAME		
<i>1986 Site Investigation</i>														
S-A	4/14/1986	4 - 5.5	17 ^a	--	--	--	--	--	--	--	--	--	--	--
S-A	4/14/1986	8.5 - 10	1,200 ^a	--	--	--	--	--	--	--	--	--	--	--
S-A	4/14/1986	11 - 12.5	4,300 ^a	--	--	--	--	--	--	--	--	--	--	--
S-A	4/14/1986	13.5 - 15	ND ^a	--	--	--	--	--	--	--	--	--	--	--
S-B	4/14/1986	5 - 6.5	36 ^a	--	--	--	--	--	--	--	--	--	--	--
S-B	4/14/1986	8 - 9.5	78 ^a	--	--	--	--	--	--	--	--	--	--	--
S-B	4/14/1986	12 - 13	6.4 ^a	--	--	--	--	--	--	--	--	11.0 ^b	--	--
S-C	4/14/1986	4 - 5.5	ND ^a	--	--	--	--	--	--	--	--	--	--	--
S-C	4/14/1986	7 - 8.5	ND ^a	--	--	--	--	--	--	--	--	--	--	--
S-C	4/14/1986	11 - 12.5	ND ^a	--	--	--	--	--	--	--	--	--	--	--
S-C	4/14/1986	13.5 - 15	5700 ^a	--	--	--	--	--	--	--	--	--	--	--
S-D	4/14/1986	Composite	571 ^a	--	--	--	--	--	--	--	--	--	--	--
<i>1987 Soil Borings (associated with Recovery Well Installation)</i>														
B-1 @ 4'	8/28/1987	4	412	<0.05	<0.05	<0.1	5.4	--	--	--	--	--	65.9 ^d	--
B-1 @ 6'	8/28/1987	6	1,440	<0.05	<0.05	<0.1	130	--	--	--	--	--	26.4 ^d	--
B-1 @ 8'	8/28/1987	8	1,870	<0.05	4.3	14	325	--	--	--	--	--	14.3 ^d	--
B-1 @ 10'	8/28/1987	10	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	5 ^d	--
B-1 @ 12'	8/28/1987	12	122	0.60	0.36	0.38	0.33	--	--	--	--	--	5 ^d	--
B-1 @ 14'	8/28/1987	14	52	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	5 ^d	--

CAMBRIA

Table 1. Cumulative Soil Analytical Data - TPHg, BTEX, MTBE, Oxygenates, and Lead - Shell-branded Service Station - Incident # 98995741, 230 W. MacArthur Boulevard, Oakland, California

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	parts per million					Total Lead	Organic Lead
								TBA	MTBE	DIPE	ETBE	TAME		
B-2 @ 5'	8/28/1987	5	<10	<0.05	1.5	5.7	<0.1	--	--	--	--	--	<5 ^d	--
B-2 @ 6-7'	8/28/1987	6 - 7	<10	<0.05	0.37	0.55	<0.1	--	--	--	--	--	<5 ^d	--
B-2 @ 8-9'	8/28/1987	8 - 9	<10	0.5	0.4	0.3	<0.1	--	--	--	--	--	<5 ^d	--
B-2 @ 10'	8/28/1987	10	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	<5 ^d	--
B-2 @ 12'	8/28/1987	12	<10	<0.05	<0.05	<0.1	<0.1	--	--	--	--	--	<5 ^d	--
<i>1987 UST Removal and Soil Sampling</i>														
A1	11/2/1987	15.0	380	1.6	2.2	--	55	--	--	--	--	--	---	--
A2	11/2/1987	15.0	310	1.3	1.3	--	33	--	--	--	--	--	---	--
B1	11/2/1987	15.0	480	4.3	0.5	--	22	--	--	--	--	--	---	--
B2	11/2/1987	15.0	9.1	1.6	0.3	--	0.1	--	--	--	--	--	---	--
C1	11/2/1987	15.0	12	1.5	<0.1	--	1.1	--	--	--	--	--	---	--
C2	11/2/1987	15.0	170	4.1	<0.1	--	2.4	--	--	--	--	--	---	--
D1	11/2/1987	15.0	8.6	<0.1	<0.1	--	<0.1	--	--	--	--	--	---	--
D2	11/2/1987	15.0	44	<0.1	<0.1	--	5.3	--	--	--	--	--	---	--
<i>1988 Monitoring Well Installation</i>														
MW1-2	7/11/1988	10	<10	<0.003	0.0116	<0.003	<0.003	--	--	--	--	--	---	--
MW1-3	7/11/1988	15	<10	<0.003	0.0129	<0.003	0.0051	--	--	--	--	--	---	--
MW1-4	7/11/1988	20	<10	<0.003	0.023	<0.003	<0.003	--	--	--	--	--	---	--
MW2-1	7/11/1988	5	<10	<0.003	0.0161	<0.003	<0.003	--	--	--	--	--	---	--
MW2-2	7/11/1988	10	<10	<0.003	0.0093	<0.003	<0.003	--	--	--	--	--	---	--
MW2-3	7/11/1988	15	<10	<0.003	0.01	<0.003	<0.003	--	--	--	--	--	---	--
MW3-1	7/12/1988	10	278	<0.05	0.388	<0.003	0.411	--	--	--	--	--	11 ^c	--
MW3-2	7/12/1988	15	<10	<0.003	0.0367	<0.003	<0.003	--	--	--	--	--	8.3 ^e	--
MW3-3	7/12/1988	20	<10	<0.003	0.0304	0.0076	<0.003	--	--	--	--	--	---	--

Table 1. Cumulative Soil Analytical Data - TPHg, BTEX, MTBE, Oxygenates, and Lead - Shell-branded Service Station - Incident # 98995741, 230 W. MacArthur Boulevard, Oakland, California

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	parts per million					Total Lead	Organic Lead
								TBA	MTBE	DIPE	ETBE	TAME		
<i>1989 Phase II Supplemental Soil Investigation</i>														
SB1-1	8/16/1989	5	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB1-2	8/16/1989	10	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB1-3	8/16/1989	15	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB1 (composite)	8/16/1989	Composite	--	--	--	--	--	--	--	--	--	--	4.5 ^a	<0.05
SB2-1	8/16/1989	5.5	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB2-2	8/16/1989	10.5	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB2-3	8/16/1989	15.5	490	<0.05	0.28	1.3	1.0	--	--	--	--	--	--	--
SB2 (composite)	8/16/1989	Composite	--	--	--	--	--	--	--	--	--	--	2.5 ^a	<0.05
SB3-1	8/16/1989	4.5	6.6	<0.05	0.26	0.14	0.63	--	--	--	--	--	--	--
SB3-2	8/16/1989	9.5	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB3-3	8/16/1989	15.5	<1.0	<0.05	<0.1	<0.1	<0.1	--	--	--	--	--	--	--
SB3 (composite)	8/16/1989	Composite	--	--	--	--	--	--	--	--	--	--	5.5 ^a	<0.05
SB-1-5'	3/24/2004	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	--	--	--	--	--
SB-1-10'	3/24/2004	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	--	--	--	--	--
SB-1-15'	3/24/2004	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	0.0078	--	--	--	--	--
SB-1-17'	3/24/2004	17	12	<0.025	<0.025	<0.025	<0.025	--	<0.025	--	--	--	--	--
SB-1-19.5'	3/24/2004	19.5	43	<0.024	<0.024	<0.024	<0.024	--	<0.024	--	--	--	--	--
SB-2-5'	3/24/2004	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	--	--	--	--	--
SB-2-10'	3/24/2004	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	--	--	--	--	--
SB-2-15'	3/24/2004	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	--	--	--	--	--
SB-2-17'	3/24/2004	17	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	--	0.0099	--	--	--	--	--
SB-2-19.5'	3/24/2004	19.5	10	<0.025	<0.025	<0.025	<0.025	--	<0.025	--	--	--	--	--

Table 1. Cumulative Soil Analytical Data - TPHg, BTEX, MTBE, Oxygenates, and Lead - Shell-branded Service Station - Incident # 98995741, 230 W. MacArthur Boulevard, Oakland, California

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	parts per million					Total Lead	Organic Lead
								TBA	MTBE	DIPE	ETBE	TAME		
<i>2005 Dispenser, Piping, and Limited Over-Excavation Soil Sampling</i>														
D-1-4.0	4/18/2005	4.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	6.2	--
D-2-1.5	4/18/2005	1.5	1,700	<0.40	2.4	3.8	5.4	<2.0	<0.40	<0.40	<0.40	<0.40	130	--
D-2-3.5	4/18/2005	3.5	940	0.060	6.6	9.5	85	<0.15	<0.025	<0.025	<0.025	<0.025	8.0	--
D-3-3.0	4/18/2005	3.0	2.5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	6.5	--
D-4-4.0	4/18/2005	4.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	<0.0050	<0.0050	<0.0050	8.1	--
P-1-2.0	4/18/2005	2.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	4.2	--
P-2-4.5	4/18/2005	4.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	9.7	--
P-3-3.5	4/18/2005	3.5	620	<0.025	0.20	1.6	6.1	0.18	0.066	<0.025	<0.025	<0.025	22	--
P-4-4.0	4/18/2005	4.0	2,700	4.2	1.6	39	78	<1.5	0.30	<0.25	<0.25	<0.25	140	--
P-5-4.0	4/18/2005	4.0	1,600	0.98	0.28	7.4	13	<1.5	<0.25	<0.25	<0.25	<0.25	11	--
EX-1-6	4/28/2005	6.0	830	<0.50	1.4	4.1	<0.50	<2.5	<0.50	<1.0	<0.50	<0.50	7.2	--
EX-2-6	4/28/2005	6.0	200	<0.50	<0.50	<0.50	<0.50	<2.5	<0.50	<1.0	<0.50	<0.50	7.1	--
EX-3-6	4/28/2005	6.0	7.3	<0.0050	<0.0050	<0.0050	<0.0050	0.015	<0.0050	<0.010	<0.0050	<0.0050	4.1	--
EX-4-6	4/28/2005	6.0	21	<0.023	<0.023	<0.023	<0.023	<0.046	<0.023	<0.023	<0.023	<0.023	12	--
EX-B-6.5	4/28/2005	6.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.017	<0.0050	<0.010	<0.0050	<0.0050	3.6	--
EX-5-6	4/28/2005	6.0	7.6	<0.019	<0.019	<0.019	0.10	<0.038	<0.019	<0.038	<0.019	<0.019	4.1	--
EX-6-6	4/28/2005	6.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.013	<0.0050	<0.010	<0.0050	<0.0050	7.3	--
EX-B2-6.5	4/28/2005	6.5	260	<0.50	<0.50	1.6	1.5	<2.5	<0.50	3.3	<0.50	<0.50	4.0	--

Table 1. Cumulative Soil Analytical Data - TPHg, BTEX, MTBE, Oxygenates, and Lead - Shell-branded Service Station - Incident # 98995741, 230 W. MacArthur Boulevard, Oakland, California

Sample ID	Date	Depth (feet)	TPHg	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TBA	MTBE	DIPE	ETBE	TAME	Total Lead	Organic Lead
								parts per million						

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B (before 2004, analyzed by EPA method 8015).

Benzene, ethylbenzene, toluene, total xylenes by EPA method 8260B (before 2004, analyzed by EPA Method 8020).

MTBE = Methyl tert-butyl ether by EPA Method 8260B.

TBA = Tert-butyl alcohol analyzed by EPA Method 8260B.

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

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

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

TAME = Tert-amyl methyl ether, analyzed by EPA Method 8260B.

Organic lead analyzed by Cal LUFT Manual, 12/87

Lead by EPA Method 6010

ND = Below detection limit

<n = Below detection limit of x ppm

-- = Not analyzed

Shading identifies over-excavation sample locations that were subsequently removed

a = Analytical method is unknown

b = Total lead analyzed by unknown method

c = Composite of four samples taken from depths of 4 - 5 fbg, 7 - 8.5 fbg, 11 - 12.5 fbg, and 13.5 - 15 fbg

d = Lead analyzed by EPA method 7421

e = Total lead analyzed by EPA method 7240

ATTACHMENT A

Standard Piping and Dispenser Removal Sampling Procedures

CAMBRIA

STANDARD PIPING AND DISPENSER REMOVAL SAMPLING PROCEDURES

Cambria Environmental Technology, Inc. (Cambria) has developed standard operating procedures for collecting soil samples during petroleum dispenser and piping removal. These procedures ensure that the samples are collected, handled, and documented in compliance with California Administration Code Title 23: Waters; Chapter 3: Water Resources Control Board; Subchapter 16: Underground Storage Tank Regulations (Title 23). Cambria's sampling procedures are based on guidelines contained in the California State Regional Water Quality Control Board Tri-Regional Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites dated August 10, 1990.

Piping and Dispenser Removal Sampling

The objective of sample collection during routine dispenser and piping removals is to determine whether hydrocarbons or other stored chemicals have leaked to the subsurface. We collect one soil sample from the native soil beneath each dispenser unit, at each piping elbow, and at every 20 ft of product piping, as applicable.

The soil samples are collected in steam cleaned brass or steel tubes from either a driven split-spoon type sampler or the bucket of a backhoe. When a backhoe is used, approximately three inches of soil are scraped from the surface and the tube is driven into the exposed soil.

Upon removal from the split-spoon sampler or the backhoe, the samples are trimmed flush, capped with Teflon sheets and plastic end caps, labeled, logged and refrigerated for delivery under chain of custody to a State certified analytic laboratory.

ATTACHMENT B

Certified Laboratory Analytical Reports

Dispenser and Piping Analytical Results

Cambria Environmental Emeryville

April 25, 2005

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Martin Wills

Project#: 207-0902-001

Project: SAP #135676

Site: 230 West Macarthur, Oakland, CA

Attached is our report for your samples received on 04/19/2005 11:05


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

Please note that any unused portion of the samples will be discarded after 06/03/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

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

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

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-1-4.0	04/18/2005	Soil	1
D-2-3.5	04/18/2005	Soil	2
D-3-3.0	04/18/2005	Soil	3
D-4-4.0	04/18/2005	Soil	4
D-2-1.5	04/18/2005	Soil	5
P-1-2.0	04/18/2005	Soil	6
P-2-4.5	04/18/2005	Soil	7
P-3-3.5	04/18/2005	Soil	8
P-4-4.0	04/18/2005	Soil	9
P-5-4.0	04/18/2005	Soil	10

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: D-1-4.0	Lab ID: 2005-04-0548 - 1
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.2	1.0	mg/Kg	1.00	04/19/2005 20:31	

Severn Trent Laboratories, Inc.

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

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

04/21/2005 12:31

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: D-2-3.5	Lab ID: 2005-04-0548 - 2
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04-15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.0	1.0	mg/Kg	1.00	04/19/2005 20:48	

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: D-3-3.0	Lab ID: 2005-04-0548 - 3
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.5	1.0	mg/Kg	1.00	04/19/2005 20:52	

Severn Trent Laboratories, Inc.

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

04/21/2005 12:31

Page 4 of 15

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: D-4-4.0	Lab ID: 2005-04-0548-4
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	8.1	1.0	mg/Kg	1.00	04/19/2005 20:55	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: D-2-1.5	Lab ID: 2005-04-0548 - 5
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	130	1.0	mg/Kg	1.00	04/19/2005 20:59	

Severn Trent Laboratories, Inc.

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

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

04/21/2005 12:31

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	P-1-2.0	Lab ID:	2005-04-0548 - 6
Sampled:	04/18/2005	Extracted:	4/19/2005 14:27
Matrix:	Soil	QC Batch#:	2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.2	1.0	mg/Kg	1.00	04/19/2005 21:03	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: P-2-4.5	Lab ID: 2005-04-0548-7
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	9.7	1.0	mg/Kg	1.00	04/19/2005 21:06	

Severn Trent Laboratories, Inc.

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

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

04/21/2005 12:31

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: P-3-3.5	Lab ID: 2005-04-0548-8
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	22	1.0	mg/Kg	1.00	04/19/2005 21:10	

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: P-4-4.0	Lab ID: 2005-04-0548 - 9
Sampled: 04/18/2005	Extracted: 4/19/2005 14:27
Matrix: Soil	QC Batch#: 2005/04/19-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	140	1.0	mg/Kg	1.00	04/19/2005 21:13	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	P-5-4.0	Lab ID:	2005-04-0548 - 10
Sampled:	04/18/2005	Extracted:	4/19/2005 08:47
Matrix:	Soil	QC Batch#:	2005/04/19-01-15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	11	1.0	mg/Kg	1.00	04/20/2005 10:49	

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2005/04/19-01.15

MB: 2005/04/19-01.15-001

Date Extracted: 04/19/2005 08:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	04/20/2005 10:38	

Severn Trent Laboratories, Inc.

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

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

04/21/2005 12:31

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank

Soil

QC Batch # 2005/04/19-04.15

MB: 2005/04/19-04.15-023

Date Extracted: 04/19/2005 14:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	04/19/2005 20:09	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2005/04/19-01.15

LCS: 2005/04/19-01.15-002

Extracted: 04/19/2005

Analyzed: 04/20/2005 10:41

LCSD: 2005/04/19-01.15-003

Extracted: 04/19/2005

Analyzed: 04/20/2005 10:44

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Lead	102	105	100.0	102.0	105.0	2.9	80-120	20			

Severn Trent Laboratories, Inc.

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

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

04/21/2005 12:31

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP #135676

Received: 04/19/2005 11:05

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike

Soil

QC Batch # 2005/04/19-04.15

LCS 2005/04/19-04.15-024

Extracted: 04/19/2005

Analyzed: 04/19/2005 20:12

LCSD 2005/04/19-04.15-025

Extracted: 04/19/2005

Analyzed: 04/19/2005 20:16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	104	100	100.0	104.0	100.0	3.9	80-120	20		



Report Number : 43368

Date : 4/25/2005

Melissa Brewer
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566-4756

Subject : 10 Soil Samples
Project Name : 230 West Macarthur, Oakland, CA
Project Number : 207-0902-001
P.O. Number : 135676

Dear Ms. Brewer,

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

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

Sincerely,



Joel Kiff



Report Number 43368

Date: 4/25/2005

Project Name: 230 West Macarthur, Oakland, CA

Project Number: 207-0902-001

Sample: D-1-4.0

Matrix: Soil

Lab Number: 43368-01

Sample Date: 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	≤ 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	93.3		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : D-2-3.5

Matrix : Soil

Lab Number : 43368-02

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.060	0.025	mg/Kg	EPA 8260B	4/23/2005
Toluene	6.6	0.025	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	9.5	0.025	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	85	0.25	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.15	0.15	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	940	15	mg/Kg	EPA 8260B	4/23/2005
Toluene -d8 (Surr)	95.4		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : D-3-3.0

Matrix : Soil

Lab Number : 43368-03

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	2.5	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	94.7		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	95.2		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff

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



Report Number 43368

Date: 4/25/2005

Project Name: 230 West Macarthur, Oakland, CA

Project Number: 207-0902-001

Sample: D-4-4.0

Matrix: Soil

Lab Number: 43368-04

Sample Date: 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Sum)	98.6		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Sum)	99.2		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : D-2-1.5

Matrix : Soil

Lab Number : 43368-05

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.40	0.40	mg/Kg	EPA 8260B	4/23/2005
Toluene	2.4	0.40	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	3.8	0.40	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	5.4	0.40	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.40	0.40	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.40	0.40	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.40	0.40	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.40	0.40	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 2.0	2.0	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	1700	40	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	96.5		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	4/23/2005

Approved By:


Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : P-1-2.0

Matrix : Soil

Lab Number : 43368-06

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	99.2		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff

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



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001


Sample : P-2-4.5

Matrix : Soil

Lab Number : 43368-07

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - dB (Surr)	98.8		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	94.3		% Recovery	EPA 8260B	4/23/2005

Approved By:  Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : P-3-3.5

Matrix : Soil

Lab Number : 43368-08

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Toluene	0.20	0.025	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	1.6	0.025	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	6.1	0.025	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	0.066	0.025	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.025	0.025	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	0.18	0.15	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	620	15	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : P-4-4.0

Matrix : Soil

Lab Number : 43368-09

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	4.2	0.25	mg/Kg	EPA 8260B	4/23/2005
Toluene	1.6	0.25	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	39	0.25	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	78	0.25	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	0.30	0.25	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 1.5	1.5	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	2700	40	mg/Kg	EPA 8260B	4/25/2005
Toluene - d8 (Surr)	88.0		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	95.8		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff



Report Number : 43368

Date : 4/25/2005

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Sample : P-5-4.0

Matrix: Soil

Lab Number : 43368-10

Sample Date : 4/18/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.98	0.25	mg/Kg	EPA 8260B	4/23/2005
Toluene	0.28	0.25	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	7.4	0.25	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	13	0.25	mg/Kg	EPA 8260B	4/23/2005
Methyl-t-butyl ether (MTBE)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Ethyl-t-butyl ether (ETBE)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.25	0.25	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 1.5	1.5	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	1600	25	mg/Kg	EPA 8260B	4/23/2005
Toluene - d8 (Surr)	91.4		% Recovery	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	4/23/2005

Approved By:

Joel Kiff

Report Number : 43368

Date : 4/25/2005

QC Report : Method Blank Data

Project Name : 230 West Macarthur, Oakland, CA

Project Number : 207-0902-001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - dB (Sum)	100		%	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Sum)	102		%	EPA 8260B	4/23/2005
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Methyl-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Ethyl-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	4/23/2005
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	4/23/2005
Toluene - dB (Sum)	99.1		%	EPA 8260B	4/23/2005
4-Bromofluorobenzene (Sum)	92.2		%	EPA 8260B	4/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
-----------	----------------	------------------------	-------	-----------------	---------------

Approved By: Joe Kiff



KIFF ANALYTICAL, LLC

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

Report Number : 43368

Date : 4/25/2005

QC Report : Matrix Spike/ Matrix Spike Duplicate


Project Name : 230 West Macarthur,

Project Number : 207-0902-001

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	43329-04	<0.0050	0.0381	0.0387	0.0322	0.0330	mg/Kg	EPA 8260B	4/22/05	84.5	85.2	0.848	70-130	25
Toluene	43329-04	<0.0050	0.0381	0.0387	0.0342	0.0347	mg/Kg	EPA 8260B	4/22/05	89.8	89.6	0.180	70-130	25
Tert-Butanol	43329-04	<0.0050	0.190	0.193	0.142	0.152	mg/Kg	EPA 8260B	4/22/05	74.7	78.5	4.98	70-130	25
Methyl-t-Butyl Ether	43329-04	<0.0050	0.0381	0.0387	0.0271	0.0290	mg/Kg	EPA 8260B	4/22/05	71.2	75.1	5.22	70-130	25
Benzene	43378-01	<0.0050	0.0398	0.0393	0.0431	0.0413	mg/Kg	EPA 8260B	4/23/05	108	105	2.97	70-130	25
Toluene	43378-01	<0.0050	0.0398	0.0393	0.0398	0.0381	mg/Kg	EPA 8260B	4/23/05	99.8	97.0	2.78	70-130	25
Tert-Butanol	43378-01	0.016	0.199	0.196	0.217	0.207	mg/Kg	EPA 8260B	4/23/05	101	97.2	3.40	70-130	25
Methyl-t-Butyl Ether	43378-01	<0.0050	0.0398	0.0393	0.0419	0.0403	mg/Kg	EPA 8260B	4/23/05	105	102	2.54	70-130	25

KIFF ANALYTICAL, LLC

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

Approved By:  Joe Kiff

Report Number : 43368

Date : 4/25/2005

QC Report : Laboratory Control Sample (LCS)

Project Name : 230 West Macarthur,

Project Number : 207-0902-001

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0383	mg/Kg	EPA 8260B	4/22/05	96.6	70-130
Toluene	0.0383	mg/Kg	EPA 8260B	4/22/05	102	70-130
Tert-Butanol	0.192	mg/Kg	EPA 8260B	4/22/05	94.4	70-130
Methyl-t-Butyl Ether	0.0383	mg/Kg	EPA 8260B	4/22/05	91.6	70-130
Benzene	0.0394	mg/Kg	EPA 8260B	4/23/05	104	70-130
Toluene	0.0394	mg/Kg	EPA 8260B	4/23/05	101	70-130
Tert-Butanol	0.197	mg/Kg	EPA 8260B	4/23/05	98.7	70-130
Methyl-t-Butyl Ether	0.0394	mg/Kg	EPA 8260B	4/23/05	93.9	70-130

KIFF ANALYTICAL, LLC

Approved By:

Joel Kiff

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

STL-San Francisco

SHELL Chain Of Custody Record

714326

1220 Quarry Lane
Pleasanton, CA 94566

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

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- COMPLAINT INVESTIGATION

Jeff Miller

43368

2005-04-0548

INCIDENT NUMBER (G&E ONLY)

SAMPLE IDENTIFICATION NUMBER (G&E ONLY)

DATE 4/8/05

PAGE 1 of 1

CAMBRIA ENVIRONMENTAL
 5800 Hollis Street; Suite A, Emeryville, CA 94608
 TEL: (925) 510-420-3342 FAX: (925) 510-420-9170
 E-MAIL: mwills@cambria-env.com

CLIENT: Cambria Environmental
ADDRESS: 230 West MacArthur, Oakland, CA
PHONE: 70600101240
E-MAIL: shelloaklandext@cambria-env.com
LAB USE ONLY: 207-0902-001

PROJECT: Martin Willie
SAMPLE NAME: Andy Ellamore

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

LA - RWQCB REPORT FORMAT JUST AGENCY

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

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

cc: lab report to aellamore@cambria-env.com

Any questions please call 510-420-3365

REQUESTED ANALYSIS

TPH - Purgeable	TPH - Extractable (80/5m)	STEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EOB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8290C	Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	LIUFS <input type="checkbox"/> TSP <input type="checkbox"/> SLC <input type="checkbox"/> TSP	CARRY <input type="checkbox"/> TSP <input type="checkbox"/> SLC <input type="checkbox"/> TSP	Test for Disposal
X	X	X	X	X	X						X			

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

5°C
 ONICE

Field Note Form

RUSH

The samples arrived
 on wet ice with fed
 ex @ noon. The temp
 was 2.1°C using
 EK-1. B&B. B&B
 0815

Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 4/18/05	Time: 5:15 pm
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 4/19/05	Time: 11:05
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 04/19/05	Time: 12:10

DISTRIBUTION: White with END REPORT, Green to B&B, Yellow with PID to Client

[Signature] Kiff Analytical 042205 0815 10/18/00 Revision

STL-C-Graphic 8/14/03-3/02

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- GAME/INDUSTRIAL

Jeff Miller

2005-04-0548

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 6 7 8

DATE: 4/8/05

PAGE: 1 of 1

Cambria Environmental
 ADDRESS: 5900 Hollis Street; Suite A, Emeryville, CA 94608
 PROJECT CONTACT (NAME AND PHONE NO.): Martin Wills
 TELEPHONE: 510-420-3342 FAX: 510-420-9170
 EMAIL: mwills@cambria-env.com
 TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS
 LA - RWQCB REPORT FORMAT UST AGENCY

SHIP ADDRESS (SHIP AND CITY): 230 West Macarthur, Oakland, CA
 SHIP DELIVERABLE TO (Person or Party to Receive): shelloakland@aif@cambria-env.com
 BRIDGE NO.: T0500101240
 SAMPLED NAME: Andy Ellsmore
 LAB USE ONLY: 307-6902-091

REQUESTED ANALYSIS

GC/MS/MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: cc: lab report to aellsmore@cambria-env.com
 CHECK BOX IF ADD IS NOT NEEDED

TPH - Purgeable	TPH - Extractable (EOT/Son)	BTEX	MTBE	IPA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by A260B	Semi-Volatiles by 8270C	Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> SEC <input type="checkbox"/> TSP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> SEC <input type="checkbox"/> TSP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> SEC <input type="checkbox"/> TSP	Test for Disposal
X	X	X	X	X	X						X			

FIELD NOTES:
 Contactor/Preservative or PID Readings or Laboratory Notes
 5°C
 (Circled)

Any questions please call 510-420-3365

Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.
	DATE	TIME		
D-1-4.0	4/18		Soil	1
D-2-3.5				
D-3-3.0				
D-4-4.0				
D-2-1.5				
P-1-2.0				
P-2-4.5				
P-3-3.5	V			
P-4-4.0				
P-5-4.0				

Requested by (Signature): [Signature]
 Received by (Signature): [Signature] Secure location 4/18/05 5:15 pm
 Requested by (Signature): [Signature]
 Received by (Signature): [Signature] 4/19/05 11:05
 Requested by (Signature): [Signature] 4/19/05 12:10
 Received by (Signature): [Signature]

Over-Excavation Analytical Results

Cambria Environmental Emeryville

May 09, 2005

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Martin Wills

Project#: 207-0902-001

Project: SAP# 135676

Site: 230 West Macarthur, Oakland, CA

Attached is our report for your samples received on 04/27/2005 15:25

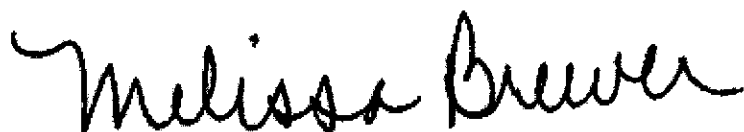
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/11/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

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

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

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX-1-6	04/27/2005 11:30	Soil	1
EX-2-6	04/27/2005 11:45	Soil	2
EX-3-6	04/27/2005 12:01	Soil	3
EX-4-6	04/27/2005 12:15	Soil	4
EX-B-6.5	04/27/2005 12:30	Soil	5
EX-5-6	04/27/2005 13:30	Soil	6
EX-6-6	04/27/2005 13:45	Soil	7
EX-B2-6.5	04/27/2005 14:00	Soil	8

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	EX-1-6	Lab ID:	2005-04-0821 - 1
Sampled:	04/27/2005 11:30	Extracted:	5/3/2005 13:26
Matrix:	Soil	QC Batch#:	2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.2	1.0	mg/Kg	1.00	05/04/2005 12:26	

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: EX-2-6	Lab ID: 2005-04-0821 - 2
Sampled: 04/27/2005 11:45	Extracted: 5/3/2005 13:26
Matrix: Soil	QC Batch#: 2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.1	1.0	mg/Kg	1.00	05/04/2005 12:30	

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	EX-3-6	Lab ID:	2005-04-0821 - 3
Sampled:	04/27/2005 12:01	Extracted:	5/3/2005 13:26
Matrix:	Soil	QC Batch#:	2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.1	1.0	mg/Kg	1.00	05/04/2005 12:33	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: EX-4-6	Lab ID: 2005-04-0821 - 4
Sampled: 04/27/2005 12:15	Extracted: 5/3/2005 13:26
Matrix: Soil	QC Batch#: 2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	12	1.0	mg/Kg	1.00	05/04/2005 12:37	

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	EX-B-6.5	Lab ID:	2005-04-0821-5
Sampled:	04/27/2005 12:30	Extracted:	5/3/2005 13:26
Matrix:	Soil	QC Batch#:	2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.6	1.0	mg/Kg	1.00	05/04/2005 12:41	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: EX-5-6	Lab ID: 2005-04-0821 - 6
Sampled: 04/27/2005 13:30	Extracted: 5/3/2005 13:26
Matrix: Soil	QC Batch#: 2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.1	1.0	mg/Kg	1.00	05/04/2005 12:44	

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: EX-6-6	Lab ID: 2005-04-0821-7
Sampled: 04/27/2005 13:45	Extracted: 5/3/2005 13:26
Matrix: Soil	QC Batch#: 2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	7.3	1.0	mg/Kg	1.00	05/04/2005 12:48	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	EX-B2-6.5	Lab ID:	2005-04-0821 - 8
Sampled:	04/27/2005 14:00	Extracted:	5/3/2005 13:26
Matrix:	Soil	QC Batch#:	2005/05/03-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.0	1.0	mg/Kg	1.00	05/04/2005 12:52	

Severn Trent Laboratories, Inc.

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

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

05/04/2005 17:00

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 3050B

Method Blank

MB: 2005/05/03-02.15-015

Soil

Test(s): 6010B

QC Batch # 2005/05/03-02.15

Date Extracted: 05/03/2005 13:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	05/04/2005 11:33	

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike				Soil			QC Batch # 2005/05/03-02.15			
LCS	2005/05/03-02.15-016			Extracted: 05/03/2005			Analyzed: 05/04/2005 11:36			
LCSD	2005/05/03-02.15-017			Extracted: 05/03/2005			Analyzed: 05/04/2005 11:40			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	103	101	100.0	103.0	101.0	2.0	80-120	20		

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX-3-6	04/27/2005 12:01	Soil	3
EX-4-6	04/27/2005 12:15	Soil	4
EX-B-6.5	04/27/2005 12:30	Soil	5
EX-6-6	04/27/2005 13:45	Soil	7
EX-B2-6.5	04/27/2005 14:00	Soil	8

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-3-6	Lab ID: 2005-04-0821 - 3
Sampled: 04/27/2005 12:01	Extracted: 5/6/2005 11:54
Matrix: Soil	QC Batch#: 2005/05/06-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	7.3	1.0	mg/Kg	1.00	05/06/2005 11:54	Q1
Benzene	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
Toluene	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
tert-Butyl alcohol (TBA)	0.015	0.010	mg/Kg	1.00	05/06/2005 11:54	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/06/2005 11:54	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/06/2005 11:54	
Surrogate(s)						
1,2-Dichloroethane-d4	89.6	76-124	%	1.00	05/06/2005 11:54	
Toluene-d8	96.6	75-116	%	1.00	05/06/2005 11:54	

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-4-6	Lab ID: 2005-04-0821 - 4
Sampled: 04/27/2005 12:15	Extracted: 5/6/2005 12:33
Matrix: Soil	QC Batch#: 2005/05/06-1A.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	21	4.6	mg/Kg	4.63	05/06/2005 12:33	Q1
Benzene	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
Toluene	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
Ethyl benzene	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
Total xylenes	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
tert-Butyl alcohol (TBA)	ND	0.046	mg/Kg	4.63	05/06/2005 12:33	
Methyl tert-butyl ether (MTBE)	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
Di-isopropyl Ether (DIPE)	ND	0.046	mg/Kg	4.63	05/06/2005 12:33	
Ethyl tert-butyl ether (ETBE)	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
tert-Amyl methyl ether (TAME)	ND	0.023	mg/Kg	4.63	05/06/2005 12:33	
Surrogate(s)						
1,2-Dichloroethane-d4	95.1	76-124	%	4.63	05/06/2005 12:33	
Toluene-d8	121.7	75-116	%	4.63	05/06/2005 12:33	S4

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EX-B-6.5	Lab ID:	2005-04-0821 - 5
Sampled:	04/27/2005 12:30	Extracted:	5/5/2005 22:36
Matrix:	Soil	QC Batch#:	2005/05/05-2A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	05/05/2005 22:36	
Benzene	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
Toluene	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
tert-Butyl alcohol (TBA)	0.017	0.010	mg/Kg	1.00	05/05/2005 22:36	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/05/2005 22:36	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/05/2005 22:36	
Surrogate(s)						
1,2-Dichloroethane-d4	96.9	76-124	%	1.00	05/05/2005 22:36	
Toluene-d8	99.5	75-116	%	1.00	05/05/2005 22:36	

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-6-6	Lab ID: 2005-04-0821-7
Sampled: 04/27/2005 13:45	Extracted: 5/6/2005 12:53
Matrix: Soil	QC Batch#: 2005/05/06-1A-69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	7.6	3.8	mg/Kg	3.82	05/06/2005 12:53	Q1
Benzene	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
Toluene	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
Ethyl benzene	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
Total xylenes	0.10	0.019	mg/Kg	3.82	05/06/2005 12:53	
tert-Butyl alcohol (TBA)	ND	0.038	mg/Kg	3.82	05/06/2005 12:53	
Methyl tert-butyl ether (MTBE)	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
Di-isopropyl Ether (DIPE)	ND	0.038	mg/Kg	3.82	05/06/2005 12:53	
Ethyl tert-butyl ether (ETBE)	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
tert-Amyl methyl ether (TAME)	ND	0.019	mg/Kg	3.82	05/06/2005 12:53	
Surrogate(s)						
1,2-Dichloroethane-d4	94.3	76-124	%	3.82	05/06/2005 12:53	
Toluene-d8	119.0	75-116	%	3.82	05/06/2005 12:53	S4

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-B2-6.5	Lab ID: 2005-04-0821 - 8
Sampled: 04/27/2005 14:00	Extracted: 5/6/2005 12:14
Matrix: Soil	QC Batch#: 2005/05/06-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	05/06/2005 12:14	
Benzene	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
Toluene	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
tert-Butyl alcohol (TBA)	0.013	0.010	mg/Kg	1.00	05/06/2005 12:14	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	1.00	05/06/2005 12:14	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	1.00	05/06/2005 12:14	
Surrogate(s)						
1,2-Dichloroethane-d4	93.8	76-124	%	1.00	05/06/2005 12:14	
Toluene-d8	96.8	75-116	%	1.00	05/06/2005 12:14	

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/05/05-2A.69
MB: 2005/05/05-2A.69-049			Date Extracted: 05/05/2005 18:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	05/05/2005 18:49	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	05/05/2005 18:49	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/05/2005 18:49	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	05/05/2005 18:49	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	05/05/2005 18:49	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	05/05/2005 18:49	
Benzene	ND	0.0050	mg/Kg	05/05/2005 18:49	
Toluene	ND	0.0050	mg/Kg	05/05/2005 18:49	
Ethyl benzene	ND	0.0050	mg/Kg	05/05/2005 18:49	
Total xylenes	ND	0.0050	mg/Kg	05/05/2005 18:49	
Surrogates(s)					
1,2-Dichloroethane-d4	94.4	76-124	%	05/05/2005 18:49	
Toluene-d8	102.4	75-116	%	05/05/2005 18:49	

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/05/06-1A.69
MB: 2005/05/06-1A.69-035			Date Extracted: 05/06/2005 07:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	05/06/2005 07:35	
tert-Butyl alcohol (TBA)	ND	0.010	mg/Kg	05/06/2005 07:35	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/06/2005 07:35	
Di-isopropyl Ether (DIPE)	ND	0.010	mg/Kg	05/06/2005 07:35	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	mg/Kg	05/06/2005 07:35	
tert-Amyl methyl ether (TAME)	ND	0.0050	mg/Kg	05/06/2005 07:35	
Benzene	ND	0.0050	mg/Kg	05/06/2005 07:35	
Toluene	ND	0.0050	mg/Kg	05/06/2005 07:35	
Ethyl benzene	ND	0.0050	mg/Kg	05/06/2005 07:35	
Total xylenes	ND	0.0050	mg/Kg	05/06/2005 07:35	
Surrogates(s)					
1,2-Dichloroethane-d4	93.0	76-124	%	05/06/2005 07:35	
Toluene-d8	104.4	75-116	%	05/06/2005 07:35	

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/05/05-2A.69

LCS 2005/05/05-2A.69-058

Extracted: 05/05/2005

Analyzed: 05/05/2005 17:58

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0524		0.05	104.8			65-165	20		
Benzene	0.0518		0.05	103.6			69-129	20		
Toluene	0.0527		0.05	105.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	475		500	95.0			76-124			
Toluene-d8	556		500	111.2			75-116			

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/05/06-1A.69

LCS 2005/05/06-1A.69-056
LCSD

Extracted: 05/06/2005

Analyzed: 05/06/2005 06:56

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0433		0.05	86.6			65-165	20		
Benzene	0.0481		0.05	96.2			69-129	20		
Toluene	0.0444		0.05	88.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	414		500	82.8			76-124			
Toluene-d8	452		500	90.4			75-116			

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B	Test(s): 8260B
Matrix Spike (MS / MSD)	Soil
MS/MSD	QC Batch # 2005/05/05-2A.69
MS: 2005/05/05-2A.69-041	Lab ID: 2005-04-0752 - 014
MSD: 2005/05/05-2A.69-054	Extracted: 05/05/2005
	Analyzed: 05/05/2005 19:41
	Dilution: 1.00
	Analyzed: 05/05/2005 20:00
	Dilution: 1.00

Compound	Conc. mg/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	0.0356	0.0358	ND	0.045955	77.5	75.6	2.5	65-165	20		
Benzene	0.0386	0.0491	ND	0.045955	84.0	103.7	21.0	69-129	20		R1
Toluene	0.0401	0.0466	ND	0.045955	87.3	98.4	12.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	451	414		500	90.2	82.8		76-124			
Toluene-d8	523	541		500	104.6	108.2		75-116			

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/05/06-1A.69

MS/MSD

Lab ID: 2005-04-0858 - 001

MS: 2005/05/06-1A.69-007

Extracted: 05/06/2005

Analyzed: 05/06/2005 09:07

Dilution: 1.00

MSD: 2005/05/06-1A.69-027

Extracted: 05/06/2005

Analyzed: 05/06/2005 09:27

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0483	0.0465	ND	0.047892	100.9	107.5	6.3	65-165	20		
Benzene	0.0456	0.0477	ND	0.047892	95.2	110.3	14.7	69-129	20		
Toluene	0.0473	0.0466	ND	0.047892	98.8	107.7	8.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	438	441		500	87.6	88.2		76-124			
Toluene-d8	503	520		500	100.6	104.0		75-116			

Severn Trent Laboratories, Inc.

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

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

05/06/2005 18:12

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

S4

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EX-1-6	04/27/2005 11:30	Soil	1
EX-2-6	04/27/2005 11:45	Soil	2
EX-5-6	04/27/2005 13:30	Soil	6

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-1-6	Lab ID: 2005-04-0821 - 1
Sampled: 04/27/2005 11:30	Extracted: 5/6/2005 00:53
Matrix: Soil	QC Batch#: 2005/05/04-3B.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	830	50	mg/Kg	1.00	05/06/2005 00:53	
Benzene	ND	0.50	mg/Kg	1.00	05/06/2005 00:53	
Toluene	1.4	0.50	mg/Kg	1.00	05/06/2005 00:53	
Ethyl benzene	4.1	0.50	mg/Kg	1.00	05/06/2005 00:53	
Total xylenes	33	0.50	mg/Kg	1.00	05/06/2005 00:53	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/06/2005 00:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/06/2005 00:53	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/06/2005 00:53	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/06/2005 00:53	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/06/2005 00:53	
Surrogate(s)						
1,2-Dichloroethane-d4	89.7	53-129	%	1.00	05/06/2005 00:53	
Toluene-d8	105.3	47-136	%	1.00	05/06/2005 00:53	

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: EX-2-6	Lab ID: 2005-04-0821 - 2
Sampled: 04/27/2005 11:45	Extracted: 5/6/2005 01:13
Matrix: Soil	QC Batch#: 2005/05/05-3A.69
Analysis Flag: L2 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	200	50	mg/Kg	1.00	05/06/2005 01:13	Q1
Benzene	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
Toluene	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
Ethyl benzene	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
Total xylenes	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/06/2005 01:13	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	1.00	05/06/2005 01:13	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/06/2005 01:13	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	53-129	%	1.00	05/06/2005 01:13	
Toluene-d8	113.5	47-136	%	1.00	05/06/2005 01:13	

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	EX-5-6	Lab ID:	2005-04-0821 - 6
Sampled:	04/27/2005 13:30	Extracted:	5/6/2005 14:35
Matrix:	Soil	QC Batch#:	2005/05/06-3A.69
Analysis Flag: L2 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	260	50	mg/Kg	1.00	05/06/2005 14:35	Q1
Benzene	1.4	0.50	mg/Kg	1.00	05/06/2005 14:35	
Toluene	ND	0.50	mg/Kg	1.00	05/06/2005 14:35	
Ethyl benzene	1.6	0.50	mg/Kg	1.00	05/06/2005 14:35	
Total xylenes	1.5	0.50	mg/Kg	1.00	05/06/2005 14:35	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	1.00	05/06/2005 14:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	05/06/2005 14:35	
Di-isopropyl Ether (DIPE)	3.3	1.0	mg/Kg	1.00	05/06/2005 14:35	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	1.00	05/06/2005 14:35	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	1.00	05/06/2005 14:35	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	53-129	%	1.00	05/06/2005 14:35	
Toluene-d8	122.8	47-136	%	1.00	05/06/2005 14:35	

Severn Trent Laboratories, Inc.

05/09/2005 13:58

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

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank	Soil		QC Batch # 2005/05/04-3B.69
MB: 2005/05/04-3B.69-037			Date Extracted: 05/04/2005 14:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	05/04/2005 14:37	
Benzene	ND	0.50	mg/Kg	05/04/2005 14:37	
Toluene	ND	0.50	mg/Kg	05/04/2005 14:37	
Ethyl benzene	ND	0.50	mg/Kg	05/04/2005 14:37	
Total xylenes	ND	0.50	mg/Kg	05/04/2005 14:37	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	05/04/2005 14:37	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	05/04/2005 14:37	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	05/04/2005 14:37	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	05/04/2005 14:37	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	05/04/2005 14:37	
Surrogates(s)					
1,2-Dichloroethane-d4	98.0	53-129	%	05/04/2005 14:37	
Toluene-d8	113.6	47-136	%	05/04/2005 14:37	

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/05/05-3A.69-014

Soil

Test(s): 8260B

QC Batch # 2005/05/05-3A.69

Date Extracted: 05/06/2005 00:14

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	05/06/2005 00:14	
Benzene	ND	0.50	mg/Kg	05/06/2005 00:14	
Toluene	ND	0.50	mg/Kg	05/06/2005 00:14	
Ethyl benzene	ND	0.50	mg/Kg	05/06/2005 00:14	
Total xylenes	ND	0.50	mg/Kg	05/06/2005 00:14	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	05/06/2005 00:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	05/06/2005 00:14	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	05/06/2005 00:14	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	05/06/2005 00:14	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	05/06/2005 00:14	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	53-129	%	05/06/2005 00:14	
Toluene-d8	120.8	47-136	%	05/06/2005 00:14	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/05/06-3A.69

MB: 2005/05/06-3A.69-016

Date Extracted: 05/06/2005 14:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	mg/Kg	05/06/2005 14:16	
Benzene	ND	0.50	mg/Kg	05/06/2005 14:16	
Toluene	ND	0.50	mg/Kg	05/06/2005 14:16	
Ethyl benzene	ND	0.50	mg/Kg	05/06/2005 14:16	
Total xylenes	ND	0.50	mg/Kg	05/06/2005 14:16	
tert-Butyl alcohol (TBA)	ND	2.5	mg/Kg	05/06/2005 14:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	05/06/2005 14:16	
Di-isopropyl Ether (DIPE)	ND	1.0	mg/Kg	05/06/2005 14:16	
Ethyl tert-butyl ether (ETBE)	ND	0.50	mg/Kg	05/06/2005 14:16	
tert-Amyl methyl ether (TAME)	ND	0.50	mg/Kg	05/06/2005 14:16	
Surrogates(s)					
1,2-Dichloroethane-d4	92.8	53-129	%	05/06/2005 14:16	
Toluene-d8	110.0	47-136	%	05/06/2005 14:16	

Severn Trent Laboratories, Inc.

05/09/2005 13:58

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Soil			QC Batch # 2005/05/04-3B.69			
LCS	2005/05/04-3B.69-057			Extracted: 05/04/2005			Analyzed: 05/04/2005 13:57			
LCSD	2005/05/04-3B.69-017			Extracted: 05/04/2005			Analyzed: 05/04/2005 14:17			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9.48	10.3	10	94.8	103.0	8.3	69-129	20		
Toluene	9.47	9.72	10	94.7	97.2	2.6	70-130	20		
Methyl tert-butyl ether (MTBE)	8.25	9.75	10	82.5	97.5	16.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	237	252	250	94.8	100.8		53-129			
Toluene-d8	259	274	250	103.6	109.6		47-136			

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/05/05-3A.69				
LCS	2005/05/05-3A.69-035		Extracted: 05/05/2005			Analyzed: 05/05/2005 23:35				
LCSD	2005/05/05-3A.69-054		Extracted: 05/05/2005			Analyzed: 05/05/2005 23:54				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	10.9	9.88	10	109.0	98.8	9.8	69-129	20		
Toluene	10.2	9.34	10	102.0	93.4	8.8	70-130	20		
Methyl tert-butyl ether (MTBE)	8.13	10.5	10	81.3	105.0	25.4	65-165	20		R1
Surrogates(s)										
1,2-Dichloroethane-d4	235	263	250	94.0	105.2		53-129			
Toluene-d8	281	240	250	112.4	96.0		47-136			

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/05/06-3A.69				
LCS	2005/05/06-3A.69-037		Extracted: 05/06/2005			Analyzed: 05/06/2005 13:37				
LCSD	2005/05/06-3A.69-056		Extracted: 05/06/2005			Analyzed: 05/06/2005 13:56				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	10.1	10.1	10	101.0	101.0	0.0	69-129	20		
Toluene	11.4	10.3	10	114.0	103.0	10.1	70-130	20		
Methyl tert-butyl ether (MTBE)	9.77	9.11	10	97.7	91.1	7.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	241	222	250	96.4	88.8		53-129			
Toluene-d8	310	280	250	124.0	112.0		47-136			

Severn Trent Laboratories, Inc.

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

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

05/09/2005 13:58

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

SAP# 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

1220 Quarry Lane
Pleasanton, CA 94506

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

Shell Project Manager to be involved:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRUISE PROUSTON

Jeff Miller

2005-04-0821

INCIDENT NUMBER (S&E ONLY)

DATE: 4/27/05

PAGE: 1 of 1

SAMPLE COMPANY: Cambria Environmental ADDRESS: 5900 Hollis Street, Suite A, Emeryville, CA 94608 PROJECT CONTACT (name and phone number): Martin Wills TELEPHONE: 510-420-3342 FAX: 510-420-9170 EMAIL: mwills@cambria-env.com	SITE ADDRESS (street and city): 230 West Macarthur, Oakland, CA CLIENT ID NO., FORM NO. OR DRAWING NO.: T0600101240 SHELL OIL GRADE (Full Refinement Pattern Designation): shelloaklandexf@cambria-env.com CONSULTANT PROJECT NO.: 207-0902-001 SAMPLE NAME(S): Andy Ellsmore LAB USE ONLY
--	---

TURN-AROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - SWABBER REPORT FORMAT LIST AGENCY

OCAMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BOILING _____ ALL _____

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

cc: lab report to akamara@cambria-env.com
mwills

Any questions please call 510-420-3365

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Purgeable (ppb) <u>8760</u>	TPH - Extractable (ppb) <u>8760</u>	BTEX <u>8760</u>	MTBE <u>8760</u>	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by #28DB	Semi-Volatiles by #270C	Lead <input checked="" type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	LUFIS <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	C-AMT7 <input type="checkbox"/> Total <input type="checkbox"/> SLC <input type="checkbox"/> TSP	Test for Disposal	
		DATE	TIME																		
✓	EX-1-6	4/27/05	11:30	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
✓	EX-2-6		11:45		1																
✓	EX-3-6		12:01		1																
✓	EX-4-6		12:15		1																
✓	EX-B-6.5		12:30		1																
✓	EX-5-6		1:30		1																
✓	EX-6-6		1:45		1																
✓	EX-B2-6.5		2:00		1																

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

Temp. 14.8
ON ICE

Requested by (Signature): <u>[Signature]</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>4/27/05</u>	Time: <u>3:25 pm</u>
Requested by (Signature): <u>Joshua M...</u>	Received by (Signature): <u>#680 JOHN (WORLD)</u>	Date: <u>4/27/05</u>	Time: <u>1730</u>
Requested by (Signature): <u>#680 JOHN</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>4/27/05</u>	Time: <u>1730</u>

Soil Disposal Analytical Results

Cambria Environmental Emeryville

April 28, 2005

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Martin Wills

Project#: 207-0902-001

Project: Shell SAP Number 135676

Site: 230 West Macarthur, Oakland, CA

Attached is our report for your samples received on 04/27/2005 15:25

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 06/11/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

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

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

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-2	04/27/2005 18:08	Soil	1

Severn Trent Laboratories, Inc.

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

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

04/28/2005 11:15

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-2	Lab ID:	2005-04-0807 - 1
Sampled:	04/27/2005 18:08	Extracted:	4/28/2005 10:48
Matrix:	Soil	QC Batch#:	2005/04/28-2A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	1.00	04/28/2005 10:48	
Benzene	ND	0.0050	mg/Kg	1.00	04/28/2005 10:48	
Toluene	ND	0.0050	mg/Kg	1.00	04/28/2005 10:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/28/2005 10:48	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/28/2005 10:48	
Surrogate(s)						
1,2-Dichloroethane-d4	116.6	76-124	%	1.00	04/28/2005 10:48	
Toluene-d8	103.8	75-116	%	1.00	04/28/2005 10:48	

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Method Blank		Soil	QC Batch # 2005/04/28-2A.62
MB: 2005/04/28-2A.62-035			Date Extracted: 04/28/2005 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	1.0	mg/Kg	04/28/2005 08:35	
Benzene	ND	0.0050	mg/Kg	04/28/2005 08:35	
Toluene	ND	0.0050	mg/Kg	04/28/2005 08:35	
Ethyl benzene	ND	0.0050	mg/Kg	04/28/2005 08:35	
Total xylenes	ND	0.0050	mg/Kg	04/28/2005 08:35	
Surrogates(s)					
1,2-Dichloroethane-d4	111.6	76-124	%	04/28/2005 08:35	
Toluene-d8	101.6	75-116	%	04/28/2005 08:35	

Severn Trent Laboratories, Inc.

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

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

04/28/2005 11:15

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

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report									
Prep(s): 5030B					Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2005/04/28-2A.62			
LCS	2005/04/28-2A.62-009		Extracted: 04/28/2005			Analyzed: 04/28/2005 08:09			
LCSD									

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	0.0551		0.05	110.2			69-129	20		
Toluene	0.0585		0.05	117.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	522		500	104.4			76-124			
Toluene-d8	503		500	100.6			75-116			

Severn Trent Laboratories, Inc.

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

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

04/28/2005 11:15

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

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Matrix Spike (MS / MSD)	Soil	QC Batch # 2005/04/28-2A.62	
MS/MSD		Lab ID:	2005-04-0693 - 019
MS: 2005/04/28-2A.62-055	Extracted: 04/28/2005	Analyzed:	04/28/2005 09:55
		Dilution:	1.00
MSD: 2005/04/28-2A.62-021	Extracted: 04/28/2005	Analyzed:	04/28/2005 10:21
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0526	0.0522	ND	0.045126	116.6	112.5	3.6	69-129	20		
Toluene	0.0553	0.0525	ND	0.045126	122.5	113.2	7.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	519	509		500	103.8	101.8		76-124			
Toluene-d8	530	521		500	106.0	104.2		75-116			

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-2	04/27/2005 15:00	Soil	1

Severn Trent Laboratories, Inc.

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

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

04/28/2005 13:21

Total Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s): 3050B	Test(s): 6010B
Sample ID: SP-2	Lab ID: 2005-04-0807 - 1
Sampled: 04/27/2005 15:00	Extracted: 4/28/2005 05:44
Matrix: Soil	QC Batch#: 2005/04/28-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	64	1.0	mg/Kg	1.00	04/28/2005 11:20	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report			
Prep(s): 3050B			Test(s): 6010B
Method Blank		Soil	QC Batch # 2005/04/28-01.15
MB: 2005/04/28-01.15-021			Date Extracted: 04/28/2005 05:44

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	04/28/2005 11:09	

Total Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike				Soil			QC Batch # 2005/04/28-01.15			
LCS	2005/04/28-01.15-022			Extracted: 04/28/2005			Analyzed: 04/28/2005 11:13			
LCSD	2005/04/28-01.15-023			Extracted: 04/28/2005			Analyzed: 04/28/2005 11:16			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	104	103	100.0	104.0	103.0	1.0	80-120	20		

Severn Trent Laboratories, Inc.

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

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

04/28/2005 13:21

CAM W.E.T. (STLC) Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-2	04/27/2005 15:00	Soil	1

Severn Trent Laboratories, Inc.

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

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

05/02/2005 17:32

CAM W.E.T. (STLC) Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Prep(s):	3005A	Test(s):	6010B
Sample ID:	SP-2	Lab ID:	2005-04-0807 - 1
Sampled:	04/27/2005 15:00	Extracted:	5/2/2005 08:14
Matrix:	Soil	QC Batch#:	2005/05/02-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.1	0.50	mg/L	1.00	05/02/2005 16:22	

Severn Trent Laboratories, Inc.

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

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

05/02/2005 17:32

CAM W.E.T. (STLC) Lead

Cambria Environmental Emeryville

Attn.: Martin Wills

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001

Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report					
Prep(s): 3005A				Test(s): 6010B	
Method Blank		Soil		QC Batch # 2005/05/02-01.15	
MB: 2005/05/02-01.15-070				Date Extracted: 05/02/2005 08:14	

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	0.50	mg/L	05/02/2005 15:26	

CAM W.E.T. (STLC) Lead

Cambria Environmental Emeryville
Attn.: Martin Wills

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3342 Fax: (510) 420-9170

Project: 207-0902-001
Shell SAP Number 135676

Received: 04/27/2005 15:25

Site: 230 West Macarthur, Oakland, CA

Batch QC Report										
Prep(s): 3005A						Test(s): 6010B				
Laboratory Control Spike				Soil			QC Batch # 2005/05/02-01.15			
LCS	2005/05/02-01.15-071			Extracted: 05/02/2005			Analyzed: 05/02/2005 15:35			
LCSD	2005/05/02-01.15-072			Extracted: 05/02/2005			Analyzed: 05/02/2005 15:39			
Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	5.17	5.22	5.00	103.4	104.4	1.0	80-120	20		

1220 Quarry Lane
Pleasanton, CA 94586

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CORP HOUSTON

2005-04-0807

Jeff Miller

INCIDENT NUMBER (SEE ONLY)						
SAPRO CRIST NUMBER (SIC/CRMTY)						
	1	3	5	6	7	6

DATE: **4/27** /05
PAGE: 1 of 2

SAMPLING COMPANY Cambria Environmental		ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA 94608	SITE ADDRESS (Street and City) 230 West Macarthur, Oakland, CA	GLOBAL ID NO. THRU 01/05/02 T0600101240
PROJECT CONTACT (Name, Title, Phone #) Martin Wills		PROJECT CONTACT (E-mail) shelloakland1@cambria-env.com		GENERAL PROJECT NO. 207-0902-001
TELEPHONE 510-420-3342	FAX 510-420-9170	E-MAIL mwills@cambria-env.com		
TURNAROUND (BUSINESS DAYS) <input type="checkbox"/> 10 DAYS <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		SAMPLER NAME(S) Andy Ellsmore		

LA - RWQCB REPORT FORMAT UST AGENCY

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

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

cc: lab report to **mwills@cambria-env.com**

Any questions please call 510-420-3345

REQUESTED ANALYSIS														
TPH - Purgeable	BTEX	MTBE	IRA	5-Oxydianilines	1,2-DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead	LUFT5	CAM17	Test for Disposal	Other
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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

Temp. 14.0c

CHICE

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH	BTEX	MTBE	IRA	5-Oxydianilines	1,2-DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead	LUFT5	CAM17	Test for Disposal	Other	
		DATE	TIME																		
	SP-2A	4/27/05	11:00	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SP-2B	↓	↓	↓	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SP-2C	↓	↓	↓	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SP-2D	↓	↓	↓	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

RUSH

Field Form Name

SP-1 - field pt ID

Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date 4/27/05	Time 4:00 AM
Requested by: (Signature) John (World)	Received by: (Signature) <i>[Signature]</i>	Date 4/27/05	Time 3:25 PM
Requested by: (Signature) John	Received by: (Signature) <i>[Signature]</i>	Date 4/27/05	Time 1:30

2005-04-0807

This information is business proprietary and confidential and must not be divulged or shared outside the company. The use of this information is strictly for the purpose of doing business with the Centralized Residual Management Team (CRMT). Upon termination of the relationship with the CRMT, this information is not to be forwarded, duplicated, shared or used for any purpose other than for the documentation of past actions.

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE ~~XXXXXXXXXX~~
 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 ~~XXXXXXXXXX~~

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

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

LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)

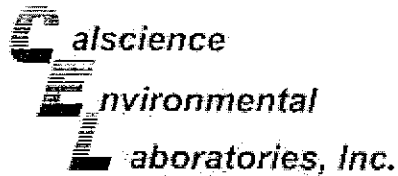
-ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE

-ALL REQUIRED TESTS ON COMPOSITE (MAX 4:1)

-LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS

~~MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM~~

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



May 02, 2005

Melissa Brewer
Severn Trent Laboratories, Inc.
1220 Quarry Lane
Pleasanton, CA 94566-4756

Subject: Calscience Work Order No.: 05-04-1855
Client Reference: 2005-04-0807 / 207-0902-001 / Shell SAP
Number 135676

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/29/2005 and analyzed in accordance with the attached chain-of-custody.

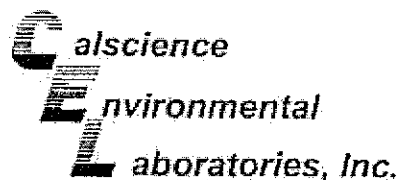
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Ranjit Clarke", written over a horizontal line.

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager



Analytical Report

Severn Trent Laboratories, Inc.
1220 Quarry Lane
Pleasanton, CA 94566-4756

Date Received: 04/29/05
Work Order No: 05-04-1855
Preparation: DHS LUFT
Method: DHS LUFT

Project: 2005-04-0807 / 207-0902-001 / Shell SAP Number 135676

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-2	05-04-1855-1	04/27/05	Solid	04/29/05	04/29/05	050429L05

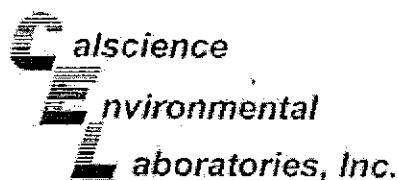
Parameter	Result	RL	DF	Qual	Units
Organic Lead	1.53	1.00	1		mg/kg

Method Blank	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
	099-10-020-356	N/A	Solid	04/29/05	04/29/05	050429L05

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

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Quality Control - Spike/Spike Duplicate

Severn Trent Laboratories, Inc.
1220 Quarry Lane
Pleasanton, CA 94566-4756


Date Received: 04/29/05
Work Order No: 05-04-1855
Preparation: DHS LUFT
Method: DHS LUFT

Project 2005-04-0807 / 207-0902-001 / Shell SAP Number 135676

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-04-1854-1	Solid	FLAA	04/29/05	04/29/05	050429S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	69	69	22-148	1	0-18	

RPD - Relative Percent Difference . CL - Control Limit

 7440 Lincoln Way, Garden Grove, CA 92841-1427 , TEL:(714) 895-5494 • FAX: (714) 894-7501



Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.

Severn Trent Laboratories, Inc.
 1220 Quarry Lane
 Pleasonton, CA 94566-4756

Date Received: N/A
 Work Order No: 05-04-1855
 Preparation: DHS LUFT
 Method: DHS LUFT

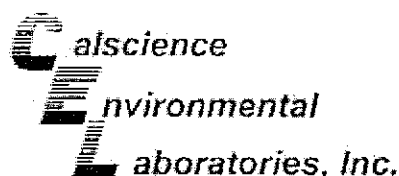
Project: 2005-04-0807 / 207-0902-001 / Shell SAP Number 135676

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-356	Solid	FLAA	04/29/05	NONE	050429L05

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifier
Organic Lead	25.0	26.1	104	72-126	

RPD - Relative Percent Difference, CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL: (714) 895-5494 • FAX: (714) 894-7501



Glossary of Terms and Qualifiers

Work Order Number: 05-04-1855

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

TL. ~~1055~~ 1055

SEVERN
TRENT **STL**

Chain of Custody

Date Shipped: 4/28/2005

2005-04-0807 - 1

From:
STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:
CalScience Analytical Laboratory
7440 Lincoln Way
Garden Grove, CA 92841

Project Manager: Melissa Brewer
Phone: Ext
Fax: (925) 484-1098
Email: mbrewer@stl-inc.com

Phone: (714) 895-5404 Ext
Fax: 0 -
Contact: Sample Control
Phone: (714) 895-5494 Ext

CL Submission #: 2005-04-0807
CL PO #:

Project #: 207-0902-001
Project Name: Shell SAP Number 135676
EDF Global ID: T0600101240

Client Sample ID	Analysis	Sample	Date	Time	Material
SP-2		1	4/27/2005	3:00:00PM	Soil
EDF Field ID: SP-2					
Subcontract - Organic Lead					LUFT
					Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

Due 05-02-05

RUSH

RELINQUISHED BY: 1.

Signature: *John Mulley* Time: 10:35

Printed Name: John Mulley Date: 4-28-05

Company: STLSE

RELINQUISHED BY: 2.

Signature: _____ Time: _____

Printed Name: _____ Date: _____

Company: _____

RELINQUISHED BY: 3.

Signature: _____ Time: _____

Printed Name: _____ Date: _____

Company: _____

RECEIVED BY: 1.

Signature: _____ Time: _____

Printed Name: _____ Date: _____

Company: _____

RECEIVED BY: 2.

Signature: _____ Time: _____

Printed Name: _____ Date: _____

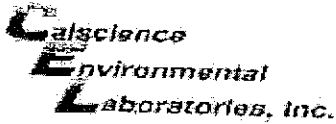
Company: _____

RECEIVED BY: 3.

Signature: *[Signature]* Time: 10:30

Printed Name: *[Name]* Date: 4/29/05

Company: *[Company]*



WORK ORDER #:

05 - 04 - 10 05 5

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: STI

DATE: 4/29/05

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

LABORATORY (Other than CalScience Courier):

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

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

Initial: TL

CUSTODY SEAL INTACT:

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

Initial: TL

SAMPLE CONDITION:

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

Initial: TL

COMMENTS:

ATTACHMENT C
Unauthorized Release Report

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT			
EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
REPORT DATE 0 4 2 6 0 5 M M D D Y Y		CASE #	
		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 26186.7 OF THE HEALTH AND SAFETY CODE.	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Tim Woodson		PHONE (925) 766-3494
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER		SIGNATURE <i>Tim Woodson</i> For <i>SODUS</i> 4/26/05
	COMPANY OR AGENCY NAME Shell Oil Products US		DATE
RESPONSIBLE PARTY	ADDRESS 2401A Waterman Blvd., Suite 4-257 STREET		FAIRFIELD CITY
			CA 94534 STATE ZIP
RESPONSIBLE PARTY	NAME Equilon Enterprises LLC dba Shell Oil Products US <input type="checkbox"/> UNKNOWN		CONTACT PERSON Denis Brown
	ADDRESS 20945 Wilmington Avenue STREET		Carson CITY
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Shell-Branded Service Station		PHONE (510) 420-5898
	ADDRESS 230 West MacArthur Blvd. STREET		Oakland CITY
INFLUENCING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Department of Environmental Health		PHONE (510) 777-2149
	REGIONAL BOARD San Francisco Region RWQCB		PHONE (510) 622-2408
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)		<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 4 2 6 0 5 M M D D Y Y		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER Dispenser and piping upgrade sampling
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE		<input checked="" type="checkbox"/> OTHER Dispensers and product piping replaced
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
	CASE TYPE CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUND WATER (OPEN CASE) <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)		
CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY		
	REMEDIAL ACTION CHECK APPROPRIATE ACTION(S) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUND WATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> OTHER (OT) Investigation		
COMMENTS	During fuel system upgrade activities, laboratory analysis of soil samples collected April 18, 2005, found petroleum hydrocarbons in soil at maximum concentrations of 2,700 parts per million for total petroleum hydrocarbons as gasoline (TPHg), 4.2 ppm benzene, 6.6 ppm toluene, 39 ppm ethylbenzene, 78 ppm total xylenes, 0.30 ppm tert-butyl alcohol, 0.18 ppm methyl tertiary-butyl ether (MTBE), and 140 ppm lead. Laboratory results received April 26, 2005.		