

C A M B R I A

August 4, 2004

Mr. Keith L. Matthews
Hazardous Materials Inspector
Office of Emergency Services
City of Oakland, Fire Services Agency
1605 Martin Luther King, Jr. Way
Oakland, California 94612

Re: **Dispenser and Piping Upgrade Sampling Report**

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident # 98995749
Cambria Project # 206-0734-002

Alameda County
AUG 19 2004
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 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, analytical results, and conclusions.

SITE CONDITIONS

Location: The site is located at the Hegenberger Road and Leet Drive intersection in Oakland, California (Figures 1 and 2). The area surrounding the site is commercial. The service station layout includes a station building, two dispenser islands, and a gasoline underground storage tank (UST) complex. (Figure 2).

Upgrade Activities: Fuel dispensers and piping at this Shell-branded service station were recently upgraded in late June through early July 2004 by Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California. Paradiso upgraded under-dispenser containment to the dispenser locations adjacent to product, vapor and vent lines. Additionally, Paradiso removed and replaced all fuel and vent piping from the dispensers to the UST complex and installed enhanced vapor recovery equipment on the UST fuel fill port sumps.


**Cambria
Environmental
Technology, Inc.**

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

SAMPLING ACTIVITIES AND SAMPLE ANALYSIS

Personnel Present: Stewart Dalie, Staff Scientist, Cambria.
Keith L. Matthews, Hazardous Materials Inspector, City of Oakland, Fire Services Agency.

Sample Date: June 29 and July 6, 2004




Sampling Requirements: Based on a conversation between Stewart Dalie and Keith Matthews during field activities on April 22, 2004, soil samples were collected within 1 to 2 feet of native soil beneath each dispenser, at 90-degree elbows of product piping, and at every 20 linear feet of product piping (Figure 2). Additionally, after initial sampling results indicated hydrocarbon-impacted soils, the piping trenches were over-excavated to the depth of the capillary fringe at approximately 6.5-feet below grade (fbg), and confirmation samples were collected.

Dispenser and Pipeline Sampling: Under Mr. Matthews' direction, nine soil samples (P-1-5' through P-5-5' and D-1-5' through D-4-5') were collected at depths ranging from 4 to 5 fbg (Figure 2). Laboratory analytical results indicated the presence of hydrocarbons in soils in the piping trenches. Therefore, at Shell's direction, on July 6, 2004, Paradiso removed additional soil from the piping trenches, and Cambria collected seven additional soil samples (P-6-6.5' through P-12-6.5') from a depth of approximately 6.5 fbg. Cambria's standard procedures for dispenser and piping sampling are presented as Attachment A.

Sample Analyses: State-certified laboratory Severn Trent Laboratories Inc. (STL) of Pleasanton, California analyzed all 16 soil samples for total petroleum hydrocarbons as motor oil (TPHmo) and total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015 Modified. STL also analyzed all 16 samples for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. Table 1 summarizes laboratory analytical results. Attachment B presents laboratory analytical reports and chain of custody records.

Waste Sampling and Disposal: To characterize stockpiled soil for disposal, Cambria collected four brass tubes of soil from the approximately 70 cubic yards of stockpiled soil, and the analytical laboratory composited the samples. The soil was analyzed for TPHg and BTEX by EPA Method 8260B, and for total threshold limit concentration lead and organic lead. On July 13, 2004, the stockpile was transported to Forward Landfill in Manteca, California for disposal as a non-hazardous waste. A soil disposal confirmation report is included as Attachment C.

ANALYTICAL RESULTS

Soil Samples Collected on June 29, 2004: TPHmo was not detected in any of the nine soil samples collected on June 29, 2004. TPHd was detected in all nine of the samples in concentrations ranging from 8 parts per million (ppm) in sample D-1-5' to 1,800 ppm in sample P-1-5'. However, the laboratory noted that the hydrocarbons reported as diesel were in the early diesel range and did not match the laboratory's diesel standard. TPHg was detected in six of the nine samples at concentrations ranging from 120 ppm in sample P-4-5' to 7,200 ppm in sample P-1-5'. Benzene was detected in three of the nine samples at concentrations ranging from 0.51 ppm in sample P-3-5' to 3.3 ppm in sample P-5-5'. Toluene was detected in four of the nine samples at concentrations ranging from 0.0056 ppm in sample D-2-5' to 9.6 ppm in sample P-1-5'. Ethylbenzene was detected in eight of the nine samples at concentrations ranging from 0.0052 ppm in sample D-1-5' to 61 ppm in sample P-1-5'. Total xylenes were detected in all nine samples at concentrations ranging from 0.005 ppm in sample D-2-5' to 540 ppm in sample P-1-5'. MTBE was detected in six of the nine samples at concentrations ranging from 0.0052 ppm in sample D-2-5' to 40 ppm in sample P-4-5'.

Soil Samples Collected on July 6, 2004: TPHmo was not detected in any of the seven soil samples collected on July 6, 2004. TPHd was detected in all seven of the samples in concentrations ranging from 12 ppm in sample P-11-6.5' to 170 ppm in sample P-8-6.5'. However, the laboratory noted that the hydrocarbons reported as diesel were in the early diesel range and did not match the laboratory's diesel standard. TPHg was detected in six of the seven samples at concentrations ranging from 120 ppm in sample P-10-6.5' to 6,500 ppm in sample P-8-6.5'. Benzene was detected in four of the seven samples at concentrations ranging from 1.0 ppm in sample P-7-6.5' to 3.6 ppm in sample P-6-6.5'. Toluene was detected in four of the seven samples at concentrations ranging from 1.6 ppm in sample P-9-6.5' to 38 ppm in sample P-8-6.5'. Ethylbenzene was detected in all seven samples at concentrations ranging from 1.9 ppm in sample P-10-6.5' to 61 ppm in sample P-8-6.5'. Total xylenes were detected in all seven samples at concentrations ranging from 1.7 ppm in sample P-11-6.5' to 500 ppm in sample P-8-6.5'. MTBE was detected in six of the seven samples at concentrations ranging from 1.2 ppm in sample P-7-6.5' to 21 ppm in sample P-9-6.5'.

Soil analytical results are summarized in Table 1, and the laboratory analytical reports are included as Attachment B.


CONCLUSIONS

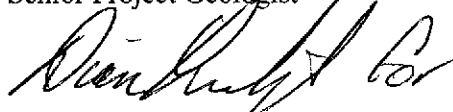
The current soil sampling identified petroleum hydrocarbon- and MTBE-impacted soil in the vicinity of the dispenser and piping areas, and although additional soil was removed from the piping trenches, some impacted soil remains. The soil sampling results observed are consistent with previous sampling performed during site investigation activities. An air-sparge and soil vapor extraction remediation system is present on the site, but is currently inactive. There are currently 11 groundwater monitoring wells and three coaxial vapor-extraction/air-sparge wells that are used for regular groundwater monitoring and sampling.

**CLOSING**

Please call Caryl Weekley at (510) 420-3324 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.


Caryl A. Weekley, R.G.
Senior Project Geologist


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

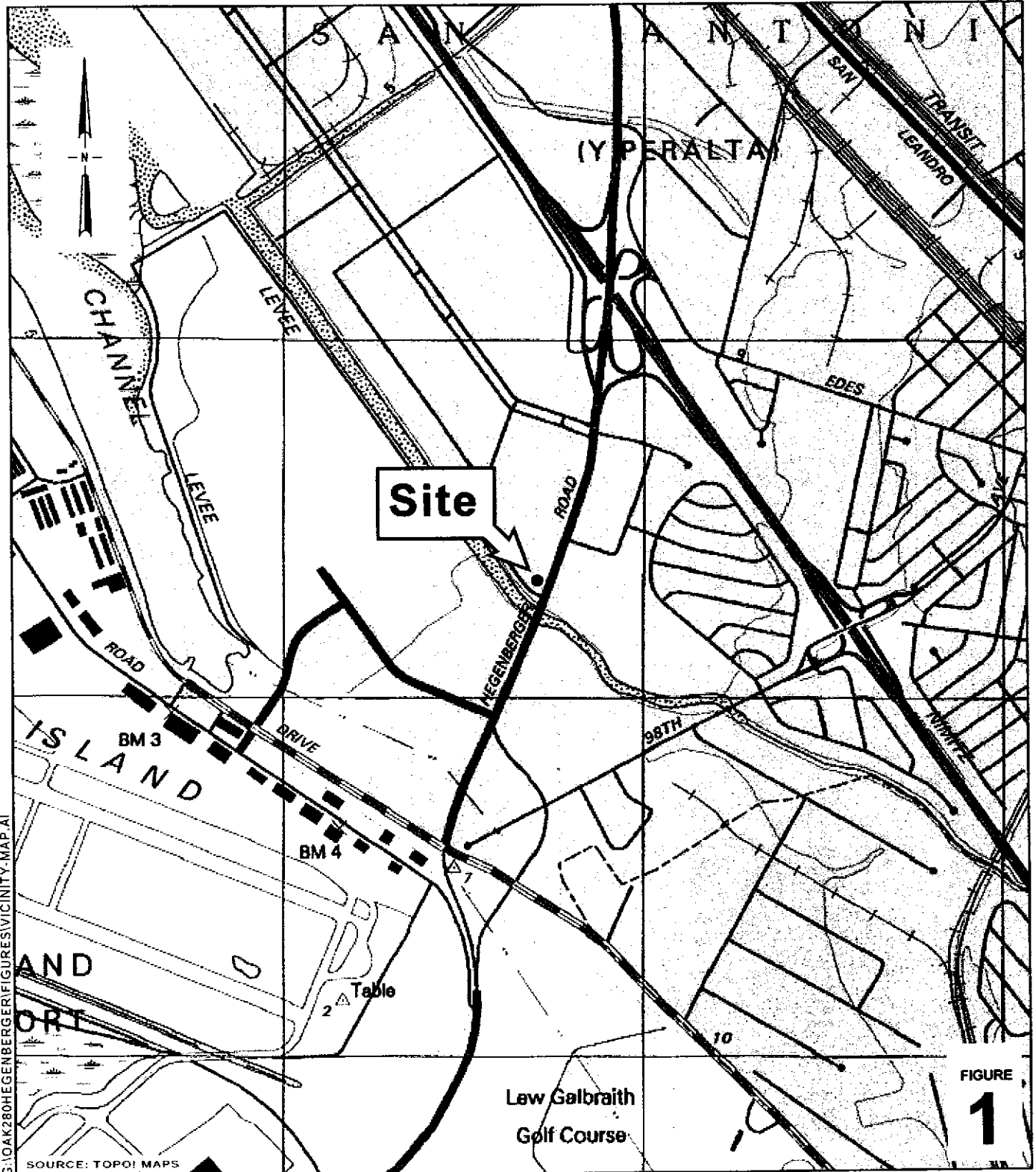


Figures: 1 - Vicinity Map
 2 - EVR Soil Sample Location Map

Table: 1 - Soil Analytical Results

Attachments: A - Standard Piping and Dispenser Removal Sampling Procedures
 B - Laboratory Analytical Reports
 C - Soil Disposal Confirmation Report

cc: Karen Petryna, 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
 Amir K. Gholami, Alameda County Health Care Services Agency, 1131 Harbor Bay
 Parkway, Suite 250, Alameda, CA 94502-6577
 J.T., Elizabeth G. W.T., and Jeanette Watters, Tr., 600 Caldwell Rd., Oakland, CA 94611



G:\OAK280\HEGENBERGER\FIGURES\VICINITY.MAP.A1

SOURCE: TOPOI MAPS

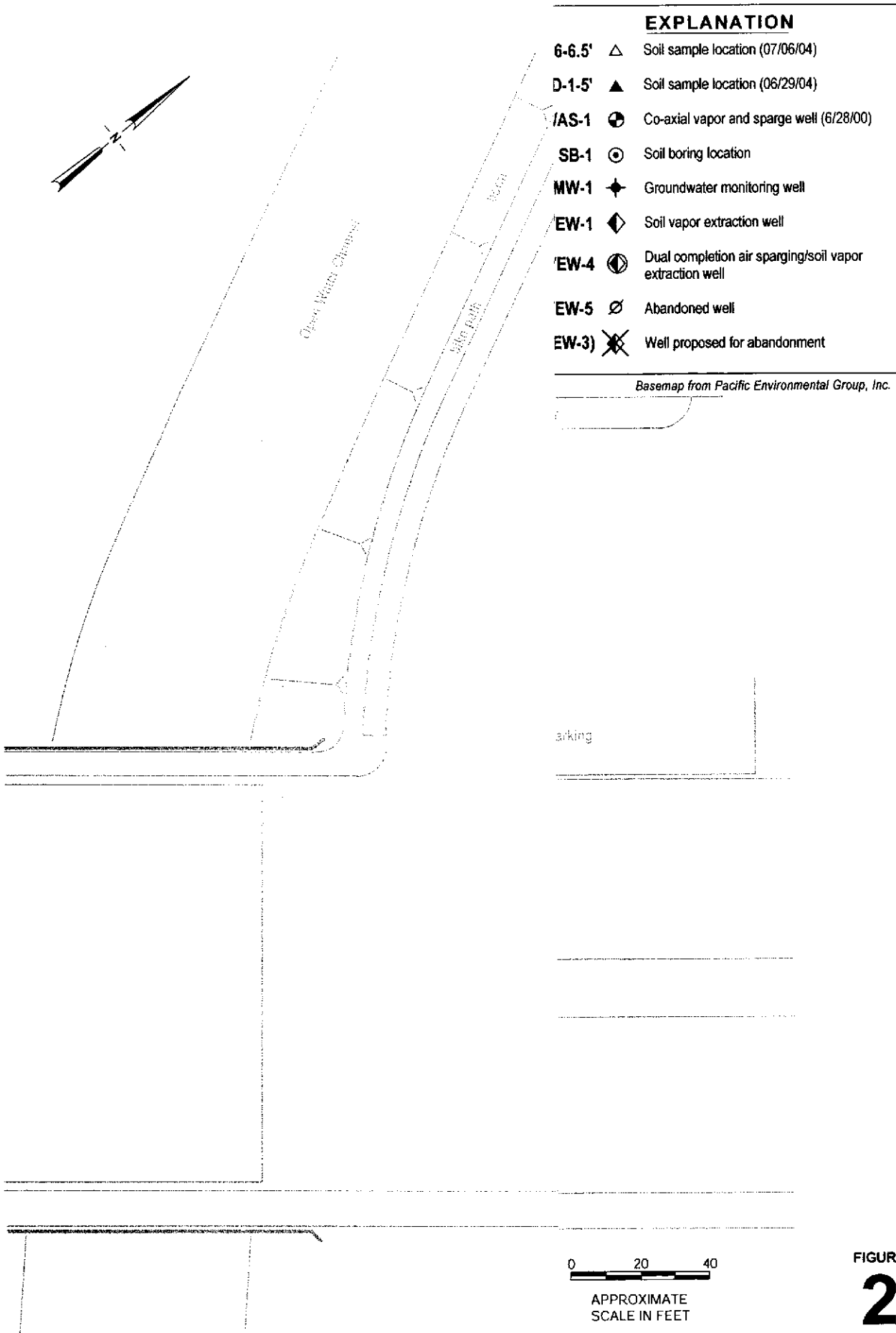
Shell-branded Service Station
 285 Hegenberger Road
 Oakland, California
 Incident #98995749



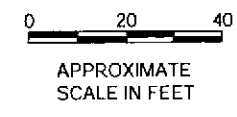
C A M B R I A

Vicinity Map

EVR Soil Sample Location Map



parking



Shell-branded Service Station
 285 Hegenberger Road
 Oakland, California
 Incident #98995749

FIGURE
2

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Table 1. Soil Analytical Results - Shell-branded Service Station - 285 Hegenburger Road, Oakland, California, Incident # 98995749

Sample ID	Date Sampled	Depth (fbg)	TPHg	TPHd	TPHmo	ppm				
						Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
P-1-5'	06/29/04	5	7,200	1,800	<500	<5.0	9.6	61	540	<5.0
P-2-5'	06/29/04	5	890	810	<250	<0.50	<0.50	3.3	27	<0.50
P-3-5'	06/29/04	5	<50	7.4	<50	0.51	<0.50	1.5	1.4	3.3
P-4-5'	06/29/04	5	120	32	<50	2.2	<0.50	8.2	1.5	40
P-5-5'	06/29/04	5	1,600	140	<50	3.3	0.83	38	60	3.0
D-1-5'	06/29/04	5	<1.0	8	<50	<0.0050	<0.0050	0.0052	0.020	0.031
D-2-5'	06/29/04	5	<1.0	2.1	<50	<0.0050	0.0056	<0.0050	0.005	0.0052
D-3-5'	06/29/04	5	130	24	<50	<0.50	<0.50	2.2	2	<0.50
D-4-5'	06/29/04	5	850	190	<50	<0.50	0.96	7.6	58	1.5
P-6-6.5'	07/06/04	6.5	380	86	<50	3.6	14	7.2	38	4.4
P-7-6.5'	07/06/04	6.5	490	17	<50	1.0	2.5	8.2	42	1.2
P-8-6.5'	07/06/04	6.5	6,500	170	<100	<5.0	38	61	500	<5.0
P-9-6.5'	07/06/04	6.5	380	37	<50	<1.0	1.6	4.7	26	21
P-10-6.5'	07/06/04	6.5	120	16	<50	<1.0	<1.0	1.9	2.6	7.1
P-11-6.5'	07/06/04	6.5	<100	12	<50	1.4	<1.0	2.9	1.7	3.3
P-12-6.5'	07/06/04	6.5	1,100	38	<50	2.2	<1.0	23	30	2.8

Abbreviations & Notes:

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

TPHd = Total petroleum hydrocarbons as diesel, analyzed by EPA Method 8015M. Laboratory noted the hydrocarbon reported as diesel was in the early diesel range and did not match the laboratory's diesel standard.

TPHmo = Total petroleum hydrocarbons as motor oil, by EPA Method 8015M

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

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

fbg = feet below grade

ppm = parts per million

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.

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ATTACHMENT B

Laboratory Analytical Reports

Cambria Environmental Emeryville

June 30, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Caryl Weekley

Project#: 206-0734-002

Project: 98995749

Site: 285 Hegenberger, Oakland

Dear Ms. Weekley,

Attached is our report for your samples received on 06/29/2004 15:40

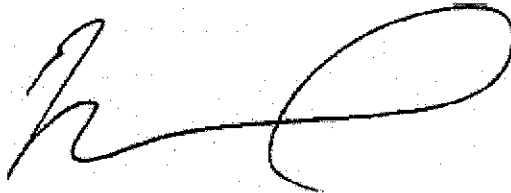
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/13/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

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

Sincerely,



Vincent Vancil
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 Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
P-1-5'	06/29/2004 08:45	Soil	1
D-1-5'	06/29/2004 08:30	Soil	2
P-2-5'	06/29/2004 09:15	Soil	3
D-2-5'	06/29/2004 09:00	Soil	4
P-3-5'	06/29/2004 10:00	Soil	5
D-3-5'	06/29/2004 09:30	Soil	6
P-4-5'	06/29/2004 10:30	Soil	7
D-4-5'	06/29/2004 10:15	Soil	8
P-5-5'	06/29/2004 10:30	Soil	9

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

06/30/2004 15:07

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-1-5	Lab ID:	2004-06-0912 - 1
Sampled:	06/29/2004 08:45	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1800	10	mg/Kg	10.00	06/30/2004 12:48	edr
Motor Oil	ND	500	mg/Kg	10.00	06/30/2004 12:48	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	06/30/2004 12:48	sd

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	D-1-5	Lab ID:	2004-06-0912 - 2
Sampled:	06/29/2004 08:30	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	8.0	1.0	mg/Kg	1.00	06/30/2004 10:54	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 10:54	
Surrogate(s)						
o-Terphenyl	93.1	60-130	%	1.00	06/30/2004 10:54	

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Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-2-5	Lab ID:	2004-06-0912 - 3
Sampled:	06/29/2004 09:15	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	810	5.0	mg/Kg	5.00	06/30/2004 13:16	edr
Motor Oil	ND	250	mg/Kg	5.00	06/30/2004 13:16	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	06/30/2004 13:16	sd

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Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: D-2-5	Lab ID: 2004-06-0912 - 4
Sampled: 06/29/2004 09:00	Extracted: 6/29/2004 14:28
Matrx: Soil	QC Batch#: 2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	06/30/2004 11:23	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 11:23	
<i>Surrogate(s)</i>						
o-Terphenyl	84.1	60-130	%	1.00	06/30/2004 11:23	

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-3-5	Lab ID:	2004-06-0912 - 5
Sampled:	06/29/2004 10:00	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7.4	1.0	mg/Kg	1.00	06/30/2004 11:51	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 11:51	
Surrogate(s)						
o-Terphenyl	82.6	60-130	%	1.00	06/30/2004 11:51	

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	D-3-5	Lab ID:	2004-06-0912 - 6
Sampled:	06/29/2004 09:30	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	24	1.0	mg/Kg	1.00	06/30/2004 10:26	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 10:26	
Surrogate(s)						
o-Terphenyl	86.8	60-130	%	1.00	06/30/2004 10:26	

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-4-5	Lab ID:	2004-06-0912--7
Sampled:	06/29/2004 10:30	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	32	1.0	mg/Kg	1.00	06/30/2004 13:16	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 13:16	
<i>Surrogate(s)</i>						
o-Terphenyl	74.9	60-130	%	1.00	06/30/2004 13:16	

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	D-4-5	Lab ID:	2004-06-0912 - 8
Sampled:	06/29/2004 10:15	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	190	1.0	mg/Kg	1.00	06/30/2004 11:51	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 11:51	
Surrogate(s)						
o-Terphenyl	88.7	60-130	%	1.00	06/30/2004 11:51	

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Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-5-5	Lab ID:	2004-06-0912 - 9
Sampled:	06/29/2004 10:30	Extracted:	6/29/2004 14:28
Matrx:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	140	1.0	mg/Kg	1.00	06/30/2004 11:23	edr
Motor Oil	ND	50	mg/Kg	1.00	06/30/2004 11:23	
Surrogate(s)						
o-Terphenyl	85.4	60-130	%	1.00	06/30/2004 11:23	

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06/30/2004 15:07

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report					
Prep(s): 3550/8015M		Soil		Test(s): 8015M	
Method Blank				QC Batch # 2004/06/29-5A.10	
MB: 2004/06/29-5A.10-001				Date Extracted: 06/29/2004 14:28	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	06/30/2004 10:26	
Motor Oil	ND	50	mg/Kg	06/30/2004 10:26	
Surrogates(s)					
o-Terphenyl	98.0	60-130	%	06/30/2004 10:26	

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06/30/2004 15:07

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

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Project: 206-0734-002
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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report			
Prep(s): 3550/8015M		Test(s): 8015M	
Laboratory Control Spike		Soil	QC Batch # 2004/06/29-5A.10
LCS	2004/06/29-5A.10-002	Extracted: 06/29/2004	Analyzed: 06/30/2004 10:55
LCSD	2004/06/29-5A.10-003	Extracted: 06/29/2004	Analyzed: 06/30/2004 11:23

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	39.2	39.0	41.4	94.7	93.5	1.3	60-130	25		
Surrogates(s) o-Terphenyl	20.9	20.9	20.0	104.4	104.7		60-130			

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Legend and Notes

Result Flag

edr

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

sd

Surrogate recovery not reportable due to required dilution.

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

Cambria Environmental Emeryville

Attn.: Caryl Weekley

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Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-1-5'	06/29/2004 08:30	Soil	2
D-2-5'	06/29/2004 09:00	Soil	4
SP-1	06/29/2004 11:30	Soil	10

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06/30/2004 16:09

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

Cambria Environmental Emeryville

Attn.: Caryl Weekley

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Project: 206-0734-002

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-1-5	Lab ID:	2004-06-0912 - 2
Sampled:	06/29/2004 08:30	Extracted:	6/30/2004 13:41
Matrx:	Soil	QC Batch#:	2004/06/30-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/30/2004 13:41	
Benzene	ND	0.0050	mg/Kg	1.00	06/30/2004 13:41	
Toluene	ND	0.0050	mg/Kg	1.00	06/30/2004 13:41	
Ethyl benzene	0.0052	0.0050	mg/Kg	1.00	06/30/2004 13:41	
Total xylenes	0.020	0.0050	mg/Kg	1.00	06/30/2004 13:41	
Methyl tert-butyl ether (MTBE)	0.031	0.0050	mg/Kg	1.00	06/30/2004 13:41	
Surrogate(s)						
1,2-Dichloroethane-d4	102.1	76-124	%	1.00	06/30/2004 13:41	
Toluene-d8	90.5	75-116	%	1.00	06/30/2004 13:41	

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

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

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Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: D-2-5	Lab ID: 2004-06-0912 - 4
Sampled: 06/29/2004 09:00	Extracted: 6/30/2004 14:07
Matrix: Soil	QC Batch#: 2004/06/30-2A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	06/30/2004 14:07	
Benzene	ND	0.0050	mg/Kg	1.00	06/30/2004 14:07	
Toluene	0.0056	0.0050	mg/Kg	1.00	06/30/2004 14:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	06/30/2004 14:07	
Total xylenes	0.0050	0.0050	mg/Kg	1.00	06/30/2004 14:07	
Methyl tert-butyl ether (MTBE)	0.0052	0.0050	mg/Kg	1.00	06/30/2004 14:07	
Surrogate(s)						
1,2-Dichloroethane-d4	90.0	76-124	%	1.00	06/30/2004 14:07	
Toluene-d8	99.6	75-116	%	1.00	06/30/2004 14:07	

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

Cambria Environmental Emeryville

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Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: SP-1	Lab ID: 2004-06-0912 - 10
Sampled: 06/29/2004 11:30	Extracted: 6/30/2004 13:17
Matrix: Soil	QC Batch#: 2004/06/30-2A.66
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	3.7	mg/Kg	3.68	06/30/2004 13:17	
Benzene	ND	0.018	mg/Kg	3.68	06/30/2004 13:17	
Toluene	0.022	0.018	mg/Kg	3.68	06/30/2004 13:17	
Ethyl benzene	0.053	0.018	mg/Kg	3.68	06/30/2004 13:17	
Total xylenes	0.21	0.018	mg/Kg	3.68	06/30/2004 13:17	
Surrogate(s)						
1,2-Dichloroethane-d4	98.5	76-124	%	3.68	06/30/2004 13:17	
Toluene-d8	98.0	75-116	%	3.68	06/30/2004 13:17	

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

Cambria Environmental Emeryville

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Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report					
Prep(s): 5030B		Test(s): 8260B			
Method Blank		Soil		QC Batch # 2004/06/30-2A.66	
MB: 2004/06/30-2A.66-047		Date Extracted: 06/30/2004 09:47			
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	06/30/2004 09:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	06/30/2004 09:47	
Benzene	ND	0.0050	mg/Kg	06/30/2004 09:47	
Toluene	ND	0.0050	mg/Kg	06/30/2004 09:47	
Ethyl benzene	ND	0.0050	mg/Kg	06/30/2004 09:47	
Total xylenes	ND	0.0050	mg/Kg	06/30/2004 09:47	
Surrogates(s)					
1,2-Dichloroethane-d4	98.4	76-124	%	06/30/2004 09:47	
Toluene-d8	101.8	75-116	%	06/30/2004 09:47	

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

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Project: 206-0734-002
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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Soil			QC Batch # 2004/06/30-2A.66			
LCS	2004/06/30-2A.66-059			Extracted: 06/30/2004			Analyzed: 06/30/2004 08:59			
LCSD	2004/06/30-2A.66-023			Extracted: 06/30/2004			Analyzed: 06/30/2004 09:23			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0475	0.0458	0.05	95.0	91.6	3.6	65-165	20		
Benzene	0.0463	0.0474	0.05	92.6	94.8	2.3	69-129	20		
Toluene	0.0485	0.0491	0.05	97.0	98.2	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	476	456	500	95.2	91.2		76-124			
Toluene-d8	502	512	500	100.4	102.4		75-116			

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

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Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Legend and Notes

Analysis Flag

o

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

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06/30/2004 16:09

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

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Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
P-1-5'	06/29/2004 08:45	Soil	1
P-2-5'	06/29/2004 09:15	Soil	3
P-3-5'	06/29/2004 10:00	Soil	5
D-3-5'	06/29/2004 09:30	Soil	6
P-4-5'	06/29/2004 10:30	Soil	7
D-4-5'	06/29/2004 10:15	Soil	8
P-5-5'	06/29/2004 10:30	Soil	9

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06/30/2004 16:10

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-1-5	Lab ID:	2004-06-0912 - 1
Sampled:	06/29/2004 08:45	Extracted:	6/30/2004 15:23
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7200	500	mg/Kg	10.00	06/30/2004 15:23	
Benzene	ND	5.0	mg/Kg	10.00	06/30/2004 15:23	
Toluene	9.6	5.0	mg/Kg	10.00	06/30/2004 15:23	
Ethyl benzene	61	5.0	mg/Kg	10.00	06/30/2004 15:23	
Total xylenes	540	5.0	mg/Kg	10.00	06/30/2004 15:23	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	06/30/2004 15:23	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	06/30/2004 15:23	sd
Toluene-d8	NA	47-136	%	10.00	06/30/2004 15:23	sd

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-2-5	Lab ID:	2004-06-0912-3
Sampled:	06/29/2004 09:15	Extracted:	6/30/2004 13:11
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	890	50	mg/Kg	1.00	06/30/2004 13:11	
Benzene	ND	0.50	mg/Kg	1.00	06/30/2004 13:11	
Toluene	ND	0.50	mg/Kg	1.00	06/30/2004 13:11	
Ethyl benzene	3.3	0.50	mg/Kg	1.00	06/30/2004 13:11	
Total xylenes	27	0.50	mg/Kg	1.00	06/30/2004 13:11	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	06/30/2004 13:11	
Surrogate(s)						
1,2-Dichloroethane-d4	77.9	53-129	%	1.00	06/30/2004 13:11	
Toluene-d8	95.4	47-136	%	1.00	06/30/2004 13:11	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-3-5	Lab ID:	2004-06-0912 - 5
Sampled:	06/29/2004 10:00	Extracted:	6/30/2004 13:33
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	06/30/2004 13:33	
Benzene	0.51	0.50	mg/Kg	1.00	06/30/2004 13:33	
Toluene	ND	0.50	mg/Kg	1.00	06/30/2004 13:33	
Ethyl benzene	1.5	0.50	mg/Kg	1.00	06/30/2004 13:33	
Total xylenes	1.4	0.50	mg/Kg	1.00	06/30/2004 13:33	
Methyl tert-butyl ether (MTBE)	3.3	0.50	mg/Kg	1.00	06/30/2004 13:33	
Surrogate(s)						
1,2-Dichloroethane-d4	80.3	53-129	%	1.00	06/30/2004 13:33	
Toluene-d8	99.6	47-136	%	1.00	06/30/2004 13:33	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: D-3-5	Lab ID: 2004-06-0912 - 6
Sampled: 06/29/2004 09:30	Extracted: 6/30/2004 13:55
Matrix: Soil	QC Batch#: 2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	130	50	mg/Kg	1.00	06/30/2004 13:55	
Benzene	ND	0.50	mg/Kg	1.00	06/30/2004 13:55	
Toluene	ND	0.50	mg/Kg	1.00	06/30/2004 13:55	
Ethyl benzene	2.2	0.50	mg/Kg	1.00	06/30/2004 13:55	
Total xylenes	2.0	0.50	mg/Kg	1.00	06/30/2004 13:55	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	06/30/2004 13:55	
Surrogate(s)						
1,2-Dichloroethane-d4	77.4	53-129	%	1.00	06/30/2004 13:55	
Toluene-d8	94.4	47-136	%	1.00	06/30/2004 13:55	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 206-0734-002

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-4-5	Lab ID:	2004-06-0912-7
Sampled:	06/29/2004 10:30	Extracted:	6/30/2004 14:17
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	120	50	mg/Kg	1.00	06/30/2004 14:17	
Benzene	2.2	0.50	mg/Kg	1.00	06/30/2004 14:17	
Toluene	ND	0.50	mg/Kg	1.00	06/30/2004 14:17	
Ethyl benzene	8.2	0.50	mg/Kg	1.00	06/30/2004 14:17	
Total xylenes	1.5	0.50	mg/Kg	1.00	06/30/2004 14:17	
Methyl tert-butyl ether (MTBE)	40	0.50	mg/Kg	1.00	06/30/2004 14:17	
Surrogate(s)						
1,2-Dichloroethane-d4	80.7	53-129	%	1.00	06/30/2004 14:17	
Toluene-d8	90.1	47-136	%	1.00	06/30/2004 14:17	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-4-5	Lab ID:	2004-06-0912 - 8
Sampled:	06/29/2004 10:15	Extracted:	6/30/2004 14:39
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	850	50	mg/Kg	1.00	06/30/2004 14:39	
Benzene	ND	0.50	mg/Kg	1.00	06/30/2004 14:39	
Toluene	0.96	0.50	mg/Kg	1.00	06/30/2004 14:39	
Ethyl benzene	7.6	0.50	mg/Kg	1.00	06/30/2004 14:39	
Total xylenes	58	0.50	mg/Kg	1.00	06/30/2004 14:39	
Methyl tert-butyl ether (MTBE)	1.5	0.50	mg/Kg	1.00	06/30/2004 14:39	
Surrogate(s)						
1,2-Dichloroethane-d4	68.2	53-129	%	1.00	06/30/2004 14:39	
Toluene-d8	80.8	47-136	%	1.00	06/30/2004 14:39	

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-5-5	Lab ID:	2004-06-0912 - 9
Sampled:	06/29/2004 10:30	Extracted:	6/30/2004 15:01
Matrix:	Soil	QC Batch#:	2004/06/30-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1600	50	mg/Kg	1.00	06/30/2004 15:01	
Benzene	3.3	0.50	mg/Kg	1.00	06/30/2004 15:01	
Toluene	0.83	0.50	mg/Kg	1.00	06/30/2004 15:01	
Ethyl benzene	38	0.50	mg/Kg	1.00	06/30/2004 15:01	
Total xylenes	60	0.50	mg/Kg	1.00	06/30/2004 15:01	
Methyl tert-butyl ether (MTBE)	3.0	0.50	mg/Kg	1.00	06/30/2004 15:01	
Surrogate(s)						
1,2-Dichloroethane-d4	82.6	53-129	%	1.00	06/30/2004 15:01	
Toluene-d8	91.9	47-136	%	1.00	06/30/2004 15:01	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report					
Prep(s): 5030B		Test(s): 8260B			
Method Blank		Soil		QC Batch # 2004/06/30-3A.69	
MB: 2004/06/30-3A.69-126		Date Extracted: 06/30/2004 14:04			
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	06/30/2004 14:04	
Benzene	ND	0.50	mg/Kg	06/30/2004 14:04	
Toluene	ND	0.50	mg/Kg	06/30/2004 14:04	
Ethyl benzene	ND	0.50	mg/Kg	06/30/2004 14:04	
Total xylenes	ND	0.50	mg/Kg	06/30/2004 14:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	06/30/2004 14:04	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	53-129	%	06/30/2004 14:04	
Toluene-d8	102.4	47-136	%	06/30/2004 14:04	

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

06/30/2004 16:10

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Soil		QC Batch # 2004/06/30-3A.69					
LCS	2004/06/30-3A.69-027		Extracted: 06/30/2004		Analyzed: 06/30/2004 13:27					
LCSD	2004/06/30-3A.69-125		Extracted: 06/30/2004		Analyzed: 06/30/2004 13:46					
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	7.85	8.01	10	78.5	80.1	2.0	69-129	20		
Toluene	10.3	11.1	10	103.0	111.0	7.5	70-130	20		
Methyl tert-butyl ether (MTBE)	8.54	8.15	10	85.4	81.5	4.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	242	246	250	96.8	98.4		53-129			
Toluene-d8	252	278	250	100.8	111.2		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

06/30/2004 16:10

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Legend and Notes

Analysis Flag

o

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

Result Flag

sd

Surrogate recovery not reportable due to required dilution.

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

06/30/2004 16:10

Shell Oil Products US Chain Of Custody Record

89726

1220 Quarry Lane

Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Bill Merchant

2004-06-0912

INCIDENT NUMBER (S&E ONLY)

98995749

SAP or CRMT NUMBER (S/CRMT)

1 3 5 6 9 1

DATE: 6/29/04

PAGE: 1 of 3

CLIENT COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC

ADDRESS: 5900 HOLLIS ST., Suite A

CITY: EMERYVILLE, CA 94608

TELEPHONE: 510-420-0700 FAX: 510-420-8170 E-MAIL: emc@cambia-env.com

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

LA - RWQCB REPORT FORMAT UST AGENCY

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT OF 15
 cc results to Sdalah@cambia-env.com

SITE ADDRESS (Street and City):

PROJECT OR TANK (Report #): Caryl Weekley

COMPLIANCE PROGRAM NO.: 206-0734-002

RUSH

REQUESTED ANALYSIS

TPH - Purgeable	TPH - Extractable (0.015m) (USC) (MOTORD)	BTEX	MTBE	IBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOICs by GC/MS	Semi-Volatiles by GC/MS	Lead	Metals (LUPIS)	Metals (CMT)	Paint Filter Test	Test for Disposal (4B)	TCLP Volatiles	TCLP Semivolatiles
X	X	X	X														

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Temp 50°C

Diesel & MO. 24hr RUSH per Stewart 6/29/04

Small Labels

Requested by: Signature

Received by: Signature

Date: 6/29/04

Time: 5:40 PM

Requested by: Signature

Received by: Signature

Date: 6/29/04

Time: 15:40

Requested by: Signature

Received by: Signature

Date: 6/29/04

Time: 15:40

1725 6/27

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	06/29/2004 11:30	Soil	10

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

06/30/2004 15:07

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SP-1	Lab ID:	2004-06-0912 - 10
Sampled:	06/29/2004 11:30	Extracted:	6/29/2004 14:28
Matrix:	Soil	QC Batch#:	2004/06/29-5A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	06/30/2004 12:20	edr
Surrogate(s) o-Terphenyl	85.5	60-130	%	1.00	06/30/2004 12:20	

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

06/30/2004 15:07

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report					
Prep(s): 3550/8015M				Test(s): 8015M	
Method Blank		Soil		QC Batch # 2004/06/29-5A.10	
MB: 2004/06/29-5A.10-001				Date Extracted: 06/29/2004 14:28	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	06/30/2004 10:26	
Surrogates(s) o-Terphenyl	98.0	60-130	%	06/30/2004 10:26	

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report										
Prep(s): 3550/8015M					Test(s): 8015M					
Laboratory Control Spike			Soil			QC Batch # 2004/06/29-5A.10				
LCS	2004/06/29-5A.10-002		Extracted: 06/29/2004			Analyzed: 06/30/2004 10:55				
LCSD	2004/06/29-5A.10-003		Extracted: 06/29/2004			Analyzed: 06/30/2004 11:23				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	39.2	39.0	41.4	94.7	93.5	1.3	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	20.9	20.9	20.0	104.4	104.7		60-130			

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

06/30/2004 15:07

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Legend and Notes

Result Flag

edr

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

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

06/30/2004 15:07

Total Lead

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1	06/29/2004 11:30	Soil	10

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

06/30/2004 13:46

Total Lead

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002

98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Prep(s): 3050B	Test(s): 6010B
Sample ID: SP-1	Lab ID: 2004-06-0912-10
Sampled: 06/29/2004 11:30	Extracted: 6/29/2004 15:53
Matrix: Soil	QC Batch#: 2004/06/29-07.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	15	1.0	mg/Kg	1.00	06/30/2004 13:03	

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

06/30/2004 13:46

Total Lead

Cambria Environmental Emeryville

Attn.: Caryl Weekley

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report					
Prep(s): 3050B				Test(s): 6010B	
Method Blank		Soil		QC Batch # 2004/06/29-07.15	
MB: 2004/06/29-07.15-041				Date Extracted: 06/29/2004 15:53	

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	06/30/2004 12:48	

Total Lead

Cambria Environmental Emeryville
Attn.: Caryl Weekley

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3324 Fax: (510) 420-9170

Project: 206-0734-002
98995749

Received: 06/29/2004 15:40

Site: 285 Hegenberger, Oakland

Batch QC Report			
Prep(s): 3050B		Test(s): 6010B	
Laboratory Control Spike		Soil	
QC Batch # 2004/06/29-07.15			
LCS	2004/06/29-07.15-042	Extracted: 06/29/2004	Analyzed: 06/30/2004 12:52
LCSD	2004/06/29-07.15-043	Extracted: 06/29/2004	Analyzed: 06/30/2004 12:56

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	93.4	94.7	100.0	93.4	94.7	1.4	80-120	20		

Shell Project Manager to be invoiced:

INCIDENT NUMBER (SITE ONLY)					
9	8	9	5	7	4
SAP or GRMT NUMBER (ITS/GRMT)					
1	3	5	6	9	1

DATE: 6/29/04

PAGE: 2 of 3

1220 Quarry Lane

Pleasanton, CA 94566

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

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT HOUSTON

Bill Merchant

2004-06-0912

CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC

SITE ADDRESS (Street and City) **28A Haganbeger Oakland**

5800 HOLLIS ST., Suite A

PROJECT CONTACT (Name) **Caryl Weekley**

EMERYVILLE, CA 94608

LAB USE ONLY **206-0734-002**

TELEPHONE: **510-420-0700** FAX: **510-420-9170** E-MAIL: **support@cambriaenv.com**

TURNAROUND TIME (BUSINESS DAYS)

10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

RUSH

REQUESTED ANALYSIS

LA - RWQCR REPORT FORMAT UST AGENCY

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT: **5**

4 pt composite for waste!

TPH - Purgeable	TPH - Extractable (R015m)	BTEX	MTBE	BPA	S Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Metals LUFTS <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Metals CAM17 <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Panel Filter <input type="checkbox"/> <i>check this the lead sheet see attached sheet</i>	TCLP Volatiles	TCLP Semi-Volatiles	FIELD NOTES: Containers/Preservative or PID Readings or Laboratory Notes <i>Field pt ID</i>
-----------------	---------------------------	------	------	-----	--------------	-----------------	---------	----------	--------------	-------------------------	--	--	--	---	----------------	---------------------	---

LAB USE ONLY	Field Sample Identification	SAMPLING		MATAIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (R015m)	BTEX	MTBE	BPA	S Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 826B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Metals LUFTS <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Metals CAM17 <input type="checkbox"/> SILC <input type="checkbox"/> TCLP	Panel Filter <input type="checkbox"/> <i>check this the lead sheet see attached sheet</i>	TCLP Volatiles	TCLP Semi-Volatiles			
		DATE	TIME																						
	SP-1A	6/29/04	11:13	Soil	1	X	X																		
	SP-1B																								
	SP-1C																								
	SP-1D																								

Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>6/29/04</u>	Time: <u>15:40</u>
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>6/29/04</u>	Time: <u>15:40</u>
Requested by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>6/29/04</u>	Time: <u>15:40-17:25</u>

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

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE + DIESEL

VENDOR: ALLIED-BFI

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

CALIFORNIA - TRANSPORTATION AND RETAIL

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

CAM METALS = TTLC METALS - *lead only*

STLC ON ALL TTLC METALS 10 TIMES STLC MAXIMUM

TTLC LEAD > 13 MG/KG REQUIRES ORGANIC LEAD ANALYSIS

IF ANY TTLC TOTAL METAL IS > OR = TO 20 TIMES TCLP REGULATORY LEVELS, TCLP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - GASOLINE AND DIESEL

~~HTBE 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

2004-06-09/12

14# 87326

Organic Lead Waste Disposal Samples

Cambria Environmental Emeryville

July 07, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Caryl Weekley

Project#: 206-0734-002

Project: 98995749

Site: 285 Hegenberger, Oakland

Dear Ms. Weekley,

Attached is our report for your samples received on 06/29/2004 00:00

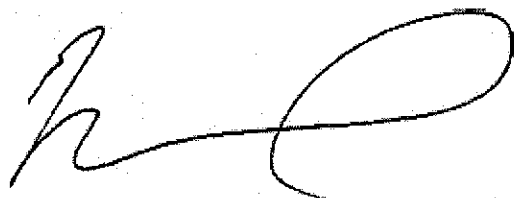
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 08/13/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

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

Sincerely,

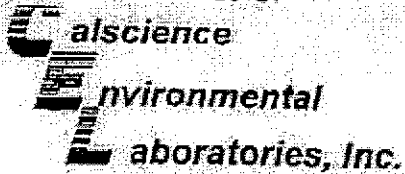


Vincent Vancil
Project Manager

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



July 06, 2004

Vincent Vancil
Severn Trent Laboratories
1220 Quarry Lane
Pleasanton, CA 94566-4756

Subject: Calscience Work Order No.: 04-07-0091
Client Reference: 2004-07-0015 / 206-0734-002 / 98995749

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/2/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

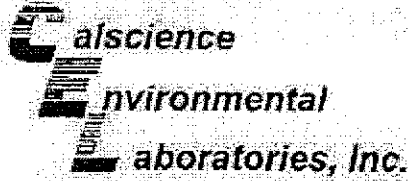
Sincerely,

A handwritten signature in cursive script, appearing to read "Ranjit K. Clarke".

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

A handwritten signature in cursive script, appearing to read "mjc".

Michael J. Chrisostomo
Quality Assurance Manager



Analytical Report

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

Date Received: 07/02/04
 Work Order No: 04-07-0091
 Preparation: DHS LUFT
 Method: DHS LUFT

Project: 2004-07-0015 / 206-0734-002 / 98995749

Page 1 of 1

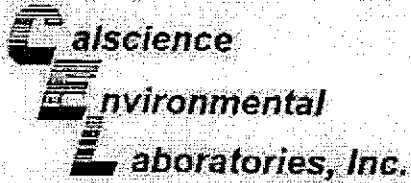
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1	04-07-0091-1	06/25/04	Solid	07/02/04	07/02/04	040702L08

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

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-020-212	N/A	Solid	07/02/04	07/02/04	040702L08

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

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



Quality Control - Spike/Spike Duplicate



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

Date Received: 07/02/04
 Work Order No: 04-07-0091
 Preparation: DHS LUFT
 Method: DHS LUFT

Project: 2004-07-0015 / 206-0734-002 / 98995749

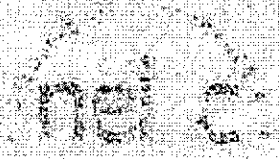
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP-1	Solid	FLAA	07/02/04	07/02/04	040702508

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	95	96	50-130	1	0-20	

RPD - Relative Percent Difference . CL - Control Limit



Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.



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

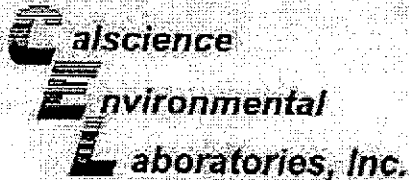
Date Received: N/A
Work Order No: 04-07-0091
Preparation: DHS LUFT
Method: DHS LUFT

Project: 2004-07-0015 / 206-0734-002 / 98995749

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-020-212	Solid	FLAA	07/02/04		040702L08

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifier
Organic Lead	25.0	24.3	97	50-130	

RPD - Relative Percent Difference CL - Control Limit



Glossary of Terms and Qualifiers

index

Work Order Number: 04-07-0091

<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.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



STL



Shipped: 7/1/2004 12:00:00AM

Chain of Custody

2004-07-0015 - 2

From:		To:	
STL San Francisco (CL) 1220 Quarry Lane Pleasanton, CA 94566-4756		Ca: Science Analytical Laboratory 7440 Lincoln Way Garden Grove, CA 92841	
Project Manager:	Vincant Vanci	Phone:	(714) 895-5494 Ext
Phone:	(925) 484-1919 Ext	Fax:	() -
Fax:	(925) 484-1098	Contact:	Sample Control
Email:	vvanci@stl-inc.com	Phone:	(714) 895-5494 Ext

CL Submission #:	2004-07-0015	Project #:	206-0734-002
CL PO #:		Project Name:	98995749

SP-1	1	6/29/2004 1:13:00PM	Soil	LUFT	8 Day
Subcontract - Organic Lead					

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

results needed by 7/6/04

RUSH

RELINQUISHED BY 1 Signature: <i>[Signature]</i> Time: 15:00 Printed Name: Bryan Thomas Date: 7/1/04 Company: STL-SP	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: <i>[Signature]</i> Time: 1030 Printed Name: CALISENIE Date: 7/2/04 Company: _____



WORK ORDER #:

04-07-0091

Cooler _____ of 1

SAMPLE RECEIPT FORM

CLIENT: STL

DATE: 07/02/04

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than CalScience Courier):

- °C Temperature blank.
- 2.8 °C IR thermometer.
- Ambient temperature.

Initial: NC

CUSTODY SEAL INTACT:

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

Initial: NC

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: NC

COMMENTS:

SEVERN**TRENT****STL****Chain of Custody**

Shipped: 7/1/2004 12:00:00AM

2004-07-0015 - 2

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: Vincent Vancil
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: vvancil@stl-inc.com

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

CL Submission #: 2004-07-0015
 CL PO #:

Project #: 206-0734-002
 Project Name: 98995749

Client Sample ID	GL#	Sampled	Matrix	TAT
Analysis			Method	
SP-1	1	6/29/2004 1:13:00PM	Soil	
Subcontract - Organic Lead			LUFT	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company	RELINQUISHED BY: 2. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company	RELINQUISHED BY: 3. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company
RECEIVED BY: 1. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company	RECEIVED BY: 2. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company	RECEIVED BY: 3. <hr/> Signature Time <hr/> Printed Name Date <hr/> Company

Confirmation Samples

Cambria Environmental Emeryville

July 09, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Stu Dalie

Project#: 246-0784-006

Project: 98995749

Site: 285 Hegenburger Rd., Oakland, CA

Dear Mr. Dalie:

Attached is our report for your samples received on 07/06/2004 14:05

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 08/20/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

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

Sincerely,



Vincent Vancil
Project Manager

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 Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
P-6-6.5	07/06/2004 08:30	Soil	1
P-7-6.5	07/06/2004 09:00	Soil	2
P-8-6.5	07/06/2004 09:20	Soil	3
P-9-6.5	07/06/2004 10:30	Soil	4
P-10-6.5	07/06/2004 11:00	Soil	5
P-11-6.5	07/06/2004 11:30	Soil	6
P-12-6.5	07/06/2004 12:00	Soil	7

Severn Trent Laboratories, Inc.

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07/07/2004 14:00

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-6-6.5	Lab ID:	2004-07-0121 - 1
Sampled:	07/06/2004 08:30	Extracted:	7/6/2004 12:43
Matrix:	Soil	QC Batch#:	2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	86	1.0	mg/Kg	1.00	07/07/2004 11:52	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 11:52	
Surrogate(s)						
o-Terphenyl	90.0	60-130	%	1.00	07/07/2004 11:52	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-7-6.5	Lab ID:	2004-07-0121-2
Sampled:	07/06/2004 09:00	Extracted:	7/6/2004 12:43
Matrx:	Soil	QC Batch#:	2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	17	1.0	mg/Kg	1.00	07/07/2004 11:25	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 11:25	
Surrogate(s)						
o-Terphenyl	96.4	60-130	%	1.00	07/07/2004 11:25	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Emeryville, CA 94608

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

Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-8-6.5	Lab ID:	2004-07-0121 - 3
Sampled:	07/06/2004 09:20	Extracted:	7/6/2004 12:43
Matrix:	Soil	QC Batch#:	2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	170	2.0	mg/Kg	2.00	07/07/2004 11:52	edr
Motor Oil	ND	100	mg/Kg	2.00	07/07/2004 11:52	
Surrogate(s)						
o-Terphenyl	91.4	60-130	%	2.00	07/07/2004 11:52	

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

07/07/2004 14:00

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: P-9-6.5	Lab ID: 2004-07-0121 - 4
Sampled: 07/06/2004 10:30	Extracted: 7/6/2004 12:43
Matrix: Soil	QC Batch#: 2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	37	1.0	mg/Kg	1.00	07/07/2004 10:31	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 10:31	
Surrogate(s)						
o-Terphenyl	95.8	60-130	%	1.00	07/07/2004 10:31	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-10-6.5	Lab ID:	2004-07-0121 - 5
Sampled:	07/06/2004 11:00	Extracted:	7/6/2004 12:43
Matrix:	Soil	QC Batch#:	2004/07/06-2A,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	07/07/2004 11:24	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 11:24	
Surrogate(s)						
o-Terphenyl	84.2	60-130	%	1.00	07/07/2004 11:24	

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Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-11-6.5	Lab ID:	2004-07-0121-6
Sampled:	07/06/2004 11:30	Extracted:	7/6/2004 12:43
Matrix:	Soil	QC Batch#:	2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	07/07/2004 10:58	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 10:58	
Surrogate(s)						
o-Terphenyl	87.1	60-130	%	1.00	07/07/2004 10:58	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-12-6.5	Lab ID:	2004-07-0121 - 7
Sampled:	07/06/2004 12:00	Extracted:	7/6/2004 12:43
Matrix:	Soil	QC Batch#:	2004/07/06-2A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	38	1.0	mg/Kg	1.00	07/07/2004 10:31	edr
Motor Oil	ND	50	mg/Kg	1.00	07/07/2004 10:31	
Surrogate(s)						
o-Terphenyl	87.2	60-130	%	1.00	07/07/2004 10:31	

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07/07/2004 14:00

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Batch QC Report					
Prep(s): 3550/8015M		Soil		Test(s): 8015M	
Method Blank				QC Batch # 2004/07/06-2A.10	
MB: 2004/07/06-2A.10-001				Date Extracted: 07/06/2004 12:43	
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/07/2004 10:31	
Motor Oil	ND	50	mg/Kg	07/07/2004 10:31	
Surrogates(s)					
o-Terphenyl	85.4	60-130	%	07/07/2004 10:31	

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

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Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Batch QC Report										
Prep(s): 3550/8015M						Test(s): 8015M				
Laboratory Control Spike			Soil			QC Batch # 2004/07/06-2A.10				
LCS	2004/07/06-2A.10-002		Extracted: 07/06/2004			Analyzed: 07/07/2004 10:58				
LCSD	2004/07/06-2A.10-003		Extracted: 07/06/2004			Analyzed: 07/07/2004 11:25				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.9	35.3	41.4	84.3	84.9	0.7	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	17.9	17.9	20.0	89.6	89.6		60-130			

Total Extractable Petroleum Hydrocarbons (TEPH) by 8015m

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Legend and Notes

Result Flag

edr

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

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3339 Fax: (510) 420-9170Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
P-6-6.5	07/06/2004 08:30	Soil	1
P-7-6.5	07/06/2004 09:00	Soil	2
P-8-6.5	07/06/2004 09:20	Soil	3
P-9-6.5	07/06/2004 10:30	Soil	4
P-10-6.5	07/06/2004 11:00	Soil	5
P-11-6.5	07/06/2004 11:30	Soil	6
P-12-6.5	07/06/2004 12:00	Soil	7

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07/09/2004 17:00

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-6-6.5	Lab ID:	2004-07-0121 - 1
Sampled:	07/06/2004 08:30	Extracted:	7/7/2004 11:30
Matrix:	Soil	QC Batch#:	2004/07/07-3A.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	380	100	mg/Kg	2.00	07/07/2004 13:06	
Benzene	3.6	1.0	mg/Kg	2.00	07/07/2004 13:06	
Toluene	14	1.0	mg/Kg	2.00	07/07/2004 13:06	
Ethyl benzene	7.2	1.0	mg/Kg	2.00	07/07/2004 13:06	
Total xylenes	38	1.0	mg/Kg	2.00	07/07/2004 13:06	
Methyl tert-butyl ether (MTBE)	4.4	1.0	mg/Kg	2.00	07/07/2004 13:06	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 13:06	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 13:06	sd

Sewern Trent Laboratories, Inc.

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07/09/2004 17:00

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-7-6.5	Lab ID:	2004-07-0121 - 2
Sampled:	07/06/2004 09:00	Extracted:	7/7/2004 11:30
Matrix:	Soil	QC Batch#:	2004/07/07-3A.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	490	100	mg/Kg	2.00	07/07/2004 13:28	
Benzene	1.0	1.0	mg/Kg	2.00	07/07/2004 13:28	
Toluene	2.5	1.0	mg/Kg	2.00	07/07/2004 13:28	
Ethyl benzene	8.2	1.0	mg/Kg	2.00	07/07/2004 13:28	
Total xylenes	42	1.0	mg/Kg	2.00	07/07/2004 13:28	
Methyl tert-butyl ether (MTBE)	1.2	1.0	mg/Kg	2.00	07/07/2004 13:28	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 13:28	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 13:28	sd

Severn Trent Laboratories, Inc.

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07/09/2004 17:00

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-8-6.5	Lab ID:	2004-07-0121 - 3
Sampled:	07/06/2004 09:20	Extracted:	7/7/2004 11:30
Matrix:	Soil	QC Batch#:	2004/07/07-3A.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6500	500	mg/Kg	10.00	07/07/2004 15:40	
Benzene	ND	5.0	mg/Kg	10.00	07/07/2004 15:40	
Toluene	38	5.0	mg/Kg	10.00	07/07/2004 15:40	
Ethyl benzene	61	5.0	mg/Kg	10.00	07/07/2004 15:40	
Total xylenes	500	5.0	mg/Kg	10.00	07/07/2004 15:40	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	07/07/2004 15:40	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	07/07/2004 15:40	sd
Toluene-d8	NA	47-136	%	10.00	07/07/2004 15:40	sd

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

5900 Hollis Street, Ste. A

Emeryville, CA 94608

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

Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: P-9-6.5	Lab ID: 2004-07-0121 - 4
Sampled: 07/06/2004 10:30	Extracted: 7/7/2004 11:30
Matrix: Soil	QC Batch#: 2004/07/07-3A.62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	380	100	mg/Kg	2.00	07/07/2004 14:12	
Benzene	ND	1.0	mg/Kg	2.00	07/07/2004 14:12	
Toluene	1.6	1.0	mg/Kg	2.00	07/07/2004 14:12	
Ethyl benzene	4.7	1.0	mg/Kg	2.00	07/07/2004 14:12	
Total xylenes	26	1.0	mg/Kg	2.00	07/07/2004 14:12	
Methyl tert-butyl ether (MTBE)	21	1.0	mg/Kg	2.00	07/07/2004 14:12	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 14:12	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 14:12	sd

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

07/09/2004 17:00

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: P-10-6.5	Lab ID: 2004-07-0121 - 5
Sampled: 07/06/2004 11:00	Extracted: 7/7/2004 11:30
Matrix: Soil	QC Batch#: 2004/07/07-3A-62
Analysis Flag: o (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	120	100	mg/Kg	2.00	07/07/2004 14:34	
Benzene	ND	1.0	mg/Kg	2.00	07/07/2004 14:34	
Toluene	ND	1.0	mg/Kg	2.00	07/07/2004 14:34	
Ethyl benzene	1.9	1.0	mg/Kg	2.00	07/07/2004 14:34	
Total xylenes	2.6	1.0	mg/Kg	2.00	07/07/2004 14:34	
Methyl tert-butyl ether (MTBE)	7.1	1.0	mg/Kg	2.00	07/07/2004 14:34	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 14:34	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 14:34	sd

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville
Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-11-6,5	Lab ID:	2004-07-0121 - 6
Sampled:	07/06/2004 11:30	Extracted:	7/7/2004 11:30
Matrix:	Soil	QC Batch#:	2004/07/07-3A.62
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	100	mg/Kg	2.00	07/07/2004 14:56	
Benzene	1.4	1.0	mg/Kg	2.00	07/07/2004 14:56	
Toluene	ND	1.0	mg/Kg	2.00	07/07/2004 14:56	
Ethyl benzene	2.9	1.0	mg/Kg	2.00	07/07/2004 14:56	
Total xylenes	1.7	1.0	mg/Kg	2.00	07/07/2004 14:56	
Methyl tert-butyl ether (MTBE)	3.3	1.0	mg/Kg	2.00	07/07/2004 14:56	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 14:56	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 14:56	sd

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Stu Dalie

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: P-12-6.5	Lab ID: 2004-07-0121 - 7
Sampled: 07/06/2004 12:00	Extracted: 7/7/2004 11:30
Matrix: Soil	QC Batch#: 2004/07/07-3A.62
Analysis Flag: 0 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	100	mg/Kg	2.00	07/07/2004 15:18	
Benzene	2.2	1.0	mg/Kg	2.00	07/07/2004 15:18	
Toluene	ND	1.0	mg/Kg	2.00	07/07/2004 15:18	
Ethyl benzene	23	1.0	mg/Kg	2.00	07/07/2004 15:18	
Total xylenes	30	1.0	mg/Kg	2.00	07/07/2004 15:18	
Methyl tert-butyl ether (MTBE)	2.8	1.0	mg/Kg	2.00	07/07/2004 15:18	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	53-129	%	2.00	07/07/2004 15:18	sd
Toluene-d8	NA	47-136	%	2.00	07/07/2004 15:18	sd

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260B	
Method Blank		Soil		QC Batch # 2004/07/07-3A.62	
MB: 2004/07/07-3A.62-001				Date Extracted: 07/07/2004 12:44	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	07/07/2004 12:44	
Benzene	ND	0.50	mg/Kg	07/07/2004 12:44	
Toluene	ND	0.50	mg/Kg	07/07/2004 12:44	
Ethyl benzene	ND	0.50	mg/Kg	07/07/2004 12:44	
Total xylenes	ND	0.50	mg/Kg	07/07/2004 12:44	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	07/07/2004 12:44	
Surrogates(s)					
1,2-Dichloroethane-d4	86.8	53-129	%	07/07/2004 12:44	
Toluene-d8	99.6	47-136	%	07/07/2004 12:44	

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

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

Project: 246-0784-006
98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2004/07/07-3A.62				
LCS	2004/07/07-3A.62-003		Extracted: 07/09/2004			Analyzed: 07/09/2004 16:19				
LCSD	2004/07/07-3A.62-008		Extracted: 07/09/2004			Analyzed: 07/09/2004 15:57				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	8700	8550	10000	87.0	85.5	1.7	69-129	20		
Toluene	9070	9150	10000	90.7	91.5	0.9	70-130	20		
Methyl tert-butyl ether (MTBE)	7670	7600	10000	76.7	76.0	0.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	206	223	250	82.4	89.2		53-129			
Toluene-d8	257	266	250	102.8	106.4		47-136			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 246-0784-006

98995749

Received: 07/06/2004 14:05

Site: 285 Hegenburger Rd., Oakland, CA

Legend and Notes

Analysis Flag

o

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

Result Flag

sd

Surrogate recovery not reportable due to required dilution.

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

07/09/2004 17:00

Lab Identification (if necessary):

Address: 1220 Quarry Lane

City, State, Zip: Pleasanton CA 94566

Shell Project Manager to be Invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 OIL & GAS

Karen Petryna

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 5 7 4 9

DATE: 7/6/04

SAP or ORMT NUMBER (TS/CRAFT)

1 3 5 6 9 1

Page 1 of 1

SAMPLING COMPANY: Cambria Environmental
 LOG CODE: CETD
 SITE ADDRESS (Street and City): 285 Hagenbuner Road Oakland CA
 GLOBAL ID NO: TAC0040024

ADDRESS: 5900 Hollis St. Ste A, Emeryville, CA
 EPI DELIVERABLE TO (RESPONSIBLE Party or Designee): shell.oakland@cambric-env.com
 PHONE NO: 510-420-3339
 EMAIL: sdallo@cambric-env.com
 CONTROL UNIT PROJECT NO: 246-0784-006

PROJECT CONTACT (Biology or PDF Reports):
 Stu Date:
 TELEPHONE: 510-420-33324
 FAX: 510-420-9170
 EMAIL: cweakley@cambric-env.com

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

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST w/10% BDRING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED
 Please cc results to sdallo@cambric-env.com

REQUESTED ANALYSIS

Lab ID	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	TPH, d, hno	MTBE (8260S - 0.5ppb RL)	TAME, DIPE, ETBE, EDB, 1,2-DCA	Ethanol (8259B)	Methanol	EDS & 1,2-DCA (8290B)	EPA 5035-Extraction for Volatiles	VOCs Monogenated (Aromatic) (8021B)	TRPR (418.1)	Vapor VOCs BTEX (MTBE) (10-15)	Vapor VOCs Full List (10-16)	Vapor TPH (ASTM 2416m)	Vapor Fixed Gases (ASTM D1546)	Test for Disposal (48-)	Test for Disposal, see attached	TPH - Diesel, Extractable (8015m)	MTBE (8260S) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																							
	P-6-6.5'	7/6/04	9:30	Soil	1	X	X	X	X																	
	P-7-6.5'	7/6/04	9	Soil	1	X	X	X	X																	
	P-8-6.5'	7/8/04	9:20	Soil	1	X	X	X	X																	
	P-9-6.5'	7/8/04	10:30	Soil	1	X	X	X	X																	
	P-10-6.5'	7/6/04	11	Soil	1	X	X	X	X																	
	P-11-6.5'	7/8/04	11:30	Soil	1	X	X	X	X																	
	P-12-6.5'	7/8/04	12	Soil	1	X	X	X	X																	

RUSH

On ICE, Field print ID
 TEMPERATURE (RECEIPT C)
 6.0

Requested by (Signature): [Signature]
 Received by (Signature): [Signature]
 Safe Location: Emeryville office refrigerator, Celina Hernandez
 Date: 7/6/04
 Time: 2:00 PM
 Date: 7/6/04
 Time: 4:05
 Date: 7/6/04
 Time: 10:05

ATTACHMENT C

Soil Disposal Confirmation Report



Hazardous Waste Hauler (Registration #2843)

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

Disposal Confirmation

Request for Transportation Received: _____ 07/09/04

Consultant Information

Company: Cambria Environmental
 Contact: Stu Dalie
 Phone: 510 420-3320
 Fax: 510 420-9170

Site Information

Station #: N/A
 Street Address: 385 Hegenburger, Road
 City, State, ZIP: Oakland, CA

Customer: Shell Oil Company RESA-0023-LDC
 RIPR #: 36283
 SAP # / Location: 135691
 Incident #: 98995749
 Location / WIC #: 204-5508-5504
 Environmental Engineer: Bill Merchant

Material Description: Contaminated Soil
 Estimated Quantity: 60-70 yards
 Service Requested Date: _____

Disposal Facility: Forward Landfill
 Contact: Joe Griffith
 Phone: 800 204-4242
 Approval #: 4640
 Date of Disposal: 07/13/04
 Actual Tonnage: 82.21

Transporter: Manley & Sons Trucking, Inc.
 Contact: Lora Cardenas
 Phone: 916 381-6864
 Fax: 916 381-1573
 Invoice: 52308
 Date of Invoice: 07/16/04