

C A M B R I A

November 23, 2004

Keith Matthews
Hazardous Materials Inspector
Office of Emergency Services
Oakland Fire Department
1605 Martin Luther King Jr. Way
Oakland, CA 94612

Re: **Dispenser Upgrade Sampling Report**
Shell-branded Service Station
3750 East 14th Street
Oakland, California
SAP # 135682
Cambria Project # 206-0697-002



Dear Mr. Matthews:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Cambria Environmental Technology, Inc. (Cambria) is submitting this *Dispenser 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 and analytical results.

SITE CONDITIONS AND BACKGROUND

Site Location: This active Shell-branded service station is located on the corner of East 14th Street and 38th Avenue in Oakland, California. Currently, the site consists of a station building with and four dispenser islands (Figure 1). The surrounding area is primarily residential and commercial.

2004 Facility Upgrades: During July of 2004, Paradiso Mechanical of San Leandro, California upgraded the station's fuel system, including the underground storage tank sumps and fuel dispensers. As described below, Cambria collected soil samples beneath the replaced dispensers.

SAMPLING ACTIVITIES AND SAMPLE ANALYSIS

Cambria
Environmental
Technology, Inc.

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

Personnel Present: Jason Gerke, Senior Staff Scientist, Cambria
Keith Matthews, Hazardous Materials Inspector, Oakland Fire
Department

Sample Date: August 12, 2004.

Sampling Requirements: As Keith Matthews directed during August 12, 2004 field activities, one soil sample was collected from within 1 to 2 feet of native soil beneath each dispenser (Figure 1). As no piping was being replaced or exposed, no other samples were collected.

Dispenser and Pipeline Sampling: Under Mr. Matthews's direction, four soil samples were collected at depths ranging between 3.5 and 5.0 feet below grade (Figure 1). No obvious field indications of hydrocarbons, including staining, odor, or photo-ionization detector readings, were observed in the vicinity of the sampled areas. Attachment A presents Cambria's standard procedures for dispenser and piping sampling.

Sample Analyses: State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California analyzed the samples for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethyl benzene, and xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8260, and for total lead by EPA Method 6010B. Table 1 summarizes laboratory analytical results. Attachment B presents laboratory analytical reports and chain of custody records.

Soil Stockpile Disposal: The upgrade activities generated approximately 8 cubic yards of soil (9.84 tons). To characterize stockpiled soil for disposal, one four-point composite sample was collected and analyzed for TPHg, BTEX and MTBE by EPA Method 8260B and for total lead by EPA Method 6010B. The stockpile was hauled to Forward Landfill in Manteca, California for disposal on August 31, 2004. Attachment C presents the soil disposal confirmation.

ANALYTICAL RESULTS

Lead was detected in all four soil samples collected at concentrations ranging from 4.7 parts per million (ppm) (D-4-3.5) to 5.8 ppm (D-3-3.5). No other analytes were detected.

Table 1 summarizes laboratory analytical results. Attachment B presents the certified laboratory analytical reports.

CONCLUSIONS

The current results warrant no further action.

CLOSING

Please call Jason Gerke at (510) 420-3320 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.



Jason Gerke
Senior Staff Scientist



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



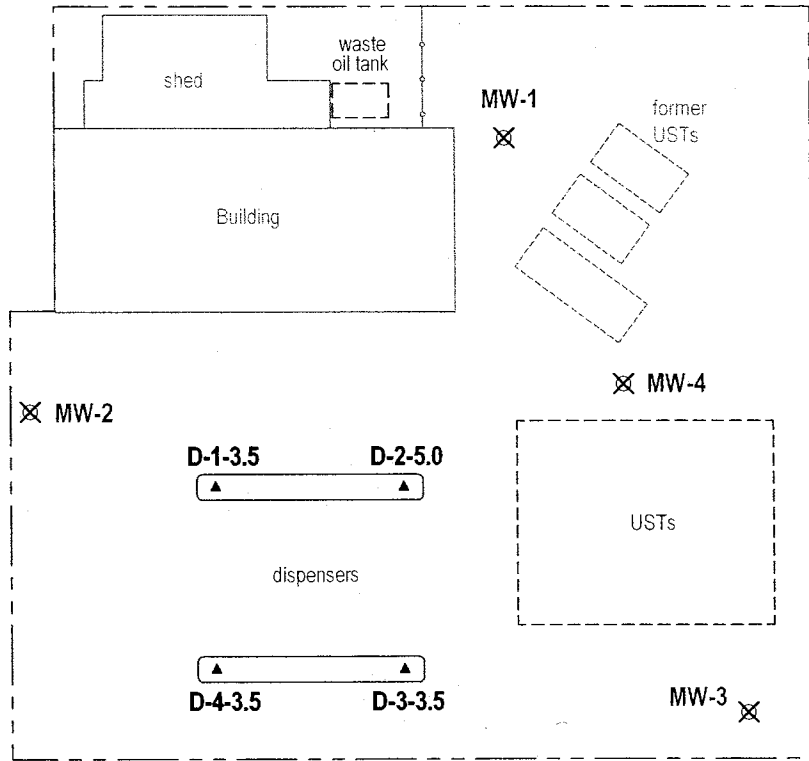
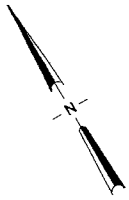
Figure: 1 - Soil Sample Location Map

Table: 1 - Soil Analytical Results

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

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Bill Merchant, Shell Oil Products US, 9141 E. Stockton Blvd., Suite #250-321, Elk
Grove, CA 95624

G:\Oakland 3750 14th\2004 Upgrades\3750 14th Upgrade RPT.doc



EAST 14th STREET

G:\OAKLAND 3750 E. 14TH\FIGURES\SITE PLAN 11-04.DWG

EXPLANATION	
D-1-3.5 ▲	Soil sample location (8/12/04)
MW-1 X	Destroyed monitoring well location



FIGURE 1

Shell-branded Service Station
 3750 E. 14th Street
 Oakland, California
 Incident #98995743



C A M B R I A

Soil Sample Location Map

CAMBRIA

Table 1. Soil Analytical Results - Shell-branded Service Station, 3750 E. 14th Street, Oakland, California, SAP # 135682

Sample	Depth (fbg)	Date Sampled	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Total Lead
									← ppm →
D-1-3.5	3.5	08/12/04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5.5
D-2-5.0	5.0	08/12/04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5.1
D-3-3.5	3.5	08/12/04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	5.8
D-4-3.5	3.5	08/12/04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	4.7

Abbreviations and Notes:

fbg = feet below grade

parts per million = ppm

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 88260B

Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B

MTBE = methyl tertiary butyl ether analyzed by EPA Method 8260B

Total Lead analyzed by EPA Method 6010B

<x = Not detected at detection limit x

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

Laboratory Analytical Reports

Cambria Environmental Emeryville

August 23, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Jason Gerke

Project#: 206-0697

Site: 3750 E. 14th Street, Oakland

Attached is our report for your samples received on 08/16/2004 13:40

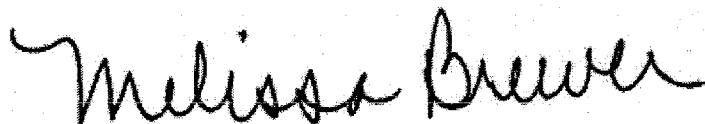
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/30/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
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.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-2-5.0	08/12/2004 13:30	Soil	1
D-1-3.5	08/12/2004 13:35	Soil	2
D-4-3.5	08/12/2004 13:40	Soil	3
D-3-3.5	08/12/2004 13:45	Soil	4

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

08/23/2004 12:04

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	30508	Test(s):	6010B
Sample ID:	D-2-50	Lab ID:	2004-08-0423 - 1
Sampled:	08/12/2004 13:30	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.1	1.0	mg/Kg	1.00	08/18/2004 09:56	

Total Lead

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	D-1-3.5	Lab ID:	2004-08-0423-2
Sampled:	08/12/2004 13:35	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.5	1.0	mg/Kg	1.00	08/18/2004 10:06	

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

08/23/2004 12:04

Total Lead

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Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	D-4-3.5	Lab ID:	2004-08-0423-3
Sampled:	08/12/2004 13:40	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	4.7	1.0	mg/Kg	1.00	08/18/2004 10:10	

Total Lead

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	D-3-3.5	Lab ID:	2004-08-0423-4
Sampled:	08/12/2004 13:45	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04-15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.8	1.0	mg/Kg	1.00	08/18/2004 10:13	

Total Lead

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Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report					
Prep(s): 3050B		Soil		Test(s): 6010B	
Method Blank				QC Batch # 2004/08/17-04.15	
MB: 2004/08/17-04.15-042				Date Extracted: 08/17/2004 10:00	
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	08/18/2004 09:24	

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report										
Prep(s): 3050B						Test(s): 6010B				
Laboratory Control Spike				Soil			QC Batch # 2004/08/17-04.15			
LCS	2004/08/17-04.15-043			Extracted: 08/17/2004			Analyzed: 08/18/2004 09:29			
LCSD	2004/08/17-04.15-044			Extracted: 08/17/2004			Analyzed: 08/18/2004 09:33			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	104	105	100.0	104.0	105.0	1.0	80-120	20		

Total Lead

Cambria Environmental Emeryville

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Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report			
Prep(s):	3050B	Test(s):	6010B
Matrix Spike (MS / MSD)		Soil	QC Batch # 2004/08/17-04.15
D-2-5.0 >> MS		Lab ID:	2004-08-0423 - 001
MS: 2004/08/17-04.15-049	Extracted: 08/17/2004	Analyzed:	08/18/2004 09:59
		Dilution:	1.00
MSD: 2004/08/17-04.15-050	Extracted: 08/17/2004	Analyzed:	08/18/2004 10:03
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Lead	80.5	81.4	5.09	95.2	79.2	79.3	0.1	75-125	20		

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-2-5.0	08/12/2004 13:30	Soil	1
D-1-3.5	08/12/2004 13:35	Soil	2
D-4-3.5	08/12/2004 13:40	Soil	3
D-3-3.5	08/12/2004 13:45	Soil	4

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

08/23/2004 11:50

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-2-5.0	Lab ID:	2004-08-0423 - 1
Sampled:	08/12/2004 13:30	Extracted:	8/18/2004 10:27
Matrix:	Soil	QC Batch#:	2004/08/18-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/18/2004 10:27	
Benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:27	
Toluene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:27	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:27	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/18/2004 10:27	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/18/2004 10:27	
Surrogate(s)						
1,2-Dichloroethane-d4	87.8	76-124	%	1.00	08/18/2004 10:27	
Toluene-d8	96.7	75-116	%	1.00	08/18/2004 10:27	

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

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	50308	Test(s):	8260B
Sample ID:	D-1-3-5	Lab ID:	2004-08-0423 - 2
Sampled:	08/12/2004 13:35	Extracted:	8/18/2004 10:45
Matrix:	Soil	QC Batch#:	2004/08/18-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/18/2004 10:45	
Benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:45	
Toluene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:45	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:45	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/18/2004 10:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/18/2004 10:45	
Surrogate(s)						
1,2-Dichloroethane-d4	88.8	76-124	%	1.00	08/18/2004 10:45	
Toluene-d8	98.7	75-116	%	1.00	08/18/2004 10:45	

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-4-3.5	Lab ID:	2004-08-0423 - 3
Sampled:	08/12/2004 13:40	Extracted:	8/18/2004 11:40
Matrix:	Soil	QC Batch#:	2004/08/18-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/18/2004 11:40	
Benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:40	
Toluene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:40	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/18/2004 11:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/18/2004 11:40	
Surrogate(s)						
1,2-Dichloroethane-d4	90.2	76-124	%	1.00	08/18/2004 11:40	
Toluene-d8	98.1	75-116	%	1.00	08/18/2004 11:40	

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

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-3-3.5	Lab ID:	2004-08-0423 - 4
Sampled:	08/12/2004 13:45	Extracted:	8/18/2004 11:58
Matrix:	Soil	QC Batch#:	2004/08/18-1B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/18/2004 11:58	
Benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:58	
Toluene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 11:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/18/2004 11:58	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	08/18/2004 11:58	
Surrogate(s)						
1,2-Dichloroethane-d4	85.1	76-124	%	1.00	08/18/2004 11:58	
Toluene-d8	112.1	75-116	%	1.00	08/18/2004 11:58	

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

Cambria Environmental Emeryville

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Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report					
Prep(s): 5030B		Soil		Test(s): 8260B	
Method Blank				QC Batch # 2004/08/18-1B.69	
MB: 2004/08/18-1B.69-052				Date Extracted: 08/18/2004 07:52	
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	08/18/2004 07:52	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	08/18/2004 07:52	
Benzene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Toluene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Ethyl benzene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Total xylenes	ND	0.0050	mg/Kg	08/18/2004 07:52	
Surrogates(s)					
1,2-Dichloroethane-d4	91.0	76-124	%	08/18/2004 07:52	
Toluene-d8	96.6	75-116	%	08/18/2004 07:52	

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

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Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report			
Prep(s): 5030B		Test(s): 8260B	
Laboratory Control Spike		Soil	QC Batch # 2004/08/18-1B.69
LCS	2004/08/18-1B.69-015	Extracted: 08/18/2004	Analyzed: 08/18/2004 07:15
LCSD	2004/08/18-1B.69-034	Extracted: 08/18/2004	Analyzed: 08/18/2004 07:34

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0469	0.0403	0.05	93.8	80.6	15.1	65-165	20		
Benzene	0.0532	0.0573	0.05	106.4	114.6	7.4	69-129	20		
Toluene	0.0539	0.0552	0.05	107.8	110.4	2.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	418	396	500	83.6	79.2		76-124			
Toluene-d8	515	519	500	103.0	103.8		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

08/23/2004 11:50

STL-San Francisco

1220 Quarry Lane
Pleasanton, CA 94568

(825) 484-1919 (825) 484-1096 fax

SHELL Chain Of Custody Record

90129

Shell Project Manager to be invoiced:

- SERVICE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Oil Merchant

2004-08-0423

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (TS-CRMT)

1 3 5 6 8 2

DATE: 8/12/04

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC		SITE ADDRESS (street and city): 3750 E. 14th Street, Oakland		PHONE NO.:		FACILITY PROJECT NO.:	
ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608		CONTACT PERSON: Ann Kraml		PHONE NO.:		PROJECT NO.:	
PROJECT CONTACT (name, title, address): Jason Gerke		SAP/CRMT NUMBER (if any): Jason Gerke		PHONE NO.:		LAB USE ONLY	
TELEPHONE: (510) 420-3320	FAX: (510) 420-9170	EMAIL: jgerke@cambria-env.com		PHONE NO.:		PROJECT NO.:	
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input checked="" type="checkbox"/> 15 DAYS <input type="checkbox"/> 21 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS:					
<input type="checkbox"/> IA - RVOCD REPORT FORMAT <input checked="" type="checkbox"/> USE AGENCY:		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes					
GOALS/TYPE CONFIRMATION: HIGHEST _____ HIGHEST DR. BORING _____ ALL _____		TEMPERATURE ON RECEIPT BY: Field at arrival					
SPECIAL INSTRUCTIONS OR NOTES: <input type="checkbox"/> CHECK BOX IF EDC IS NOT NEEDED		LAB USE ONLY					
cc: cweekley@cambria-env.com							

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	REQUESTED ANALYSIS														TEMPERATURE ON RECEIPT BY					
		DATE	TIME			TPH - Purgeable	TPH - Extractable (0015m)	BTEX	MTBE	1BA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8260C	LEAD	LOFTS	CAN 17		Test for Disposal (see attached)				
	D-2-5.0	8/12/04	1330	Soil	1	X	X	X								X									D-2
	D-1-3.5		1335		1	X	X	X								X									D-1
	D-4-3.5		1340		1	X	X	X								X									D-4
	D-3-3.5		1345		1	X	X	X								X									D-3

Prepared by (signature): <i>Jason Gerke</i>	Received by (signature): <i>Seena Location</i>	Date: 8/12/04	Time: 1500
Prepared by (signature): <i>[Signature]</i>	Received by (signature): <i>[Signature]</i>	Date: 8/10/04	Time: 13:40
Prepared by (signature): <i>[Signature]</i>	Received by (signature): <i>[Signature]</i>	Date: 8/16/04	Time: 1800

COC 5/19/04 (7/1) 523-2702

Cambria Environmental Emeryville

August 19, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Jason Gerke

Project#: 206-0697

Project: SAP# 135682

Site: 3750 E. 14th Street, Oakland

Attached is our report for your samples received on 08/16/2004 13:40

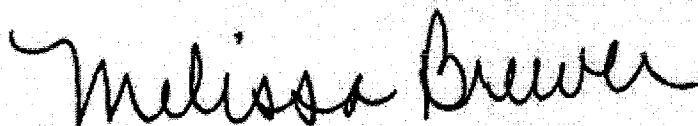
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/30/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A,B,C,D	08/12/2004 14:00	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

08/19/2004 09:35

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-1A,B,C,D	Lab ID:	2004-08-0422 - 1
Sampled:	08/12/2004 14:00	Extracted:	8/17/2004 10:00
Matrix:	Soil	QC Batch#:	2004/08/17-04.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	11	1.0	mg/Kg	1.00	08/18/2004 09:52	

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

08/19/2004 09:35

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report					
Prep(s): 3050B		Soil		Test(s): 6010B	
Method Blank				QC Batch # 2004/08/17-04.15	
MB: 2004/08/17-04.15-042				Date Extracted: 08/17/2004 10:00	
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	08/18/2004 09:24	

Total Lead

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697
SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report			
Prep(s): 3050B		Test(s): 6010B	
Laboratory Control Spike		Soil	QC Batch # 2004/08/17-04.15
LCS	2004/08/17-04.15-043	Extracted: 08/17/2004	Analyzed: 08/18/2004 09:29
LCSD	2004/08/17-04.15-044	Extracted: 08/17/2004	Analyzed: 08/18/2004 09:33

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	104	105	100.0	104.0	105.0	1.0	80-120	20		

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A,B,C,D	08/12/2004 14:00	Soil	1

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Prep(s):	50305	Test(s):	8260B
Sample ID:	SP-1A,B,C,D	Lab ID:	2004-08-0422-1
Sampled:	08/12/2004 14:00	Extracted:	8/18/2004 10:09
Matrix:	Soil	QC Batch#:	2004/08/18-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	08/18/2004 10:09	
Benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:09	
Toluene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	08/18/2004 10:09	
Total xylenes	ND	0.0050	mg/Kg	1.00	08/18/2004 10:09	
Surrogate(s)						
1,2-Dichloroethane-d4	98.9	76-124	%	1.00	08/18/2004 10:09	
Toluene-d8	83.0	75-116	%	1.00	08/18/2004 10:09	

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 EL AP# 2496

08/19/2004 10:34

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697
SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report		
Prep(s): 50308		Test(s): 52608
Method Blank	Soil	QC Batch # 2004/08/18-1A.69
MB: 2004/08/18-1A.69-052		Date Extracted: 08/18/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	08/18/2004 07:52	
Benzene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Toluene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Ethyl benzene	ND	0.0050	mg/Kg	08/18/2004 07:52	
Total xylenes	ND	0.0050	mg/Kg	08/18/2004 07:52	
Surrogates(s)					
1,2-Dichloroethane-d4	91.0	76-124	%	08/18/2004 07:52	
Toluene-d8	96.6	75-116	%	08/18/2004 07:52	

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 206-0697

SAP# 135682

Received: 08/16/2004 13:40

Site: 3750 E. 14th Street, Oakland

Batch QC Report										
Prep(s): 5030B						Test(s): 5260B				
Laboratory Control Spike			Soil			QC Batch # 2004/08/18-1A.69				
LCS	2004/08/18-1A.69-015		Extracted: 08/18/2004			Analyzed: 08/18/2004 07:15				
LCSD	2004/08/18-1A.69-034		Extracted: 08/18/2004			Analyzed: 08/18/2004 07:34				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0532	0.0573	0.05	106.4	114.6	7.4	69-129	20		
Toluene	0.0539	0.0552	0.05	107.8	110.4	2.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	418	396	500	83.6	79.2		76-124			
Toluene-d8	515	519	500	103.0	103.8		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

08/19/2004 10:34

STL-San Francisco

SHELL Chain Of Custody Record

90137

1220 Quarry Lane
Pleasanton, CA 94566

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

Shell Project Manager to be invoiced:

 SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CAMBRIA/CUSTOM

Bill Merchant

2004-08-0422

INCIDENT NUMBER (S&E ONLY)

SAP or CRMT NUMBER (S/CRMT)

1 3 5 6 8 2

DATE: 8/12/04

PAGE: 1 of 2

SAMPLING CONTRACTOR: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC	SITE ADDRESS (Street and City): 3750 E. 14th Street, Oakland	CLIENT NAME (S&E ONLY):
ADDRESS: 6900 HOLLIS ST, Suite A, Emeryville, CA 94608	CONTACT NAME (S&E ONLY): Ann Krenil	PHONE: (510) 420-3335
CONTACT NAME (S&E ONLY): Jason Gerke	EMAIL: shellOaklandEDF@cambria-env.com	CONTRACT PROJECT NO: 203-0697
TELEPHONE: (610) 420-3320	FAX: (510) 420-9170	LAB USE ONLY

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

QA - RWCL REPORT FORMAT LIST AGENCY

QD/MS MTE CONFIRMATION: HIGHEST _____ HIGHEST # OF BORINGS _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: See attached

CHECK BOX IF EDD IS NOT NEEDED:

cc: cweekley@cambria-env.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Pirimicable	TPH - Extractable (KH/Sm)	BTEX	MTBE	BA	5 Oxygenates	12 BCA and EDB	Ethanol	Methanol	NOcs by 8260B	Semi-Volatiles by 8270C	Lead	LUFS	CAMP7	Test for Disposal (see attached)	
		DATE	TIME																		
	SP-1A,B,C,D	8/12/04	1700	Soil	4	YES	YES	YES													

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

TEMPERATURE ON RECEIPT: 4

RUSH

Prepared by (Signature): <i>Ann Krenil</i>	Reviewed by (Signature): <i>Sewa Lakshmi</i>	Date: 8/12/04	Time: 1500
Prepared by (Signature): <i>[Signature]</i>	Reviewed by (Signature): <i>[Signature]</i>	Date: 8/16/04	Time: 12:00
Prepared by (Signature): <i>[Signature]</i>	Reviewed by (Signature): <i>[Signature]</i>	Date: 8/16/04	Time: 1800

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CAMBRIA ENVIRONMENTAL TECHNOLOGY INC.

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
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 OF 8015 - GASOLINE

~~MDE 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

2240-00-4002

ATTACHMENT C

Soil Disposal Documentation



FAXED

Hazardous Waste Hauler (Registration #2843)

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

Disposal Confirmation

Request for Transportation Received: 08/24/04

Consultant Information

Company: Cambria Environmental
Contact: Jason Gerke
Phone: 510 420-3320
Fax: 510 420-9170

Site Information

Station #: N/A
Street Address: 3750 E. 14th Street
City, State, ZIP: Oakland, CA

Customer: Shell Oil Company RESA-0023-LDC
RIPR #: 37465
SAP # / Location: 135682
Incident #:
Location / WIC #:
Environmental Engineer: Bill Merchant

Material Description: Contaminated soil
Estimated Quantity: 8 yards
Service Requested Date:

Disposal Facility: Forward Landfill
Contact: Joe Griffith
Phone: 800 204-4242
Approval #: 4764
Date of Disposal: 08/31/04
Actual Tonnage: 9.84

Transporter: Manley & Sons Trucking, Inc.
Contact: Janice Cox
Phone: 916 381-6864
Fax: 916 381-1573
Invoice: 52497
Date of Invoice: 08/31/04