

C A M B R I A

October 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  
 510 (506) East 14<sup>th</sup> Street (International Boulevard)  
 Oakland, California  
 SAP # 135695  
 Cambria Project # 206-0898-002

Alameda County  
 Environmental Health  
 OCT 08 2004



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 East 14<sup>th</sup> Street and 5<sup>th</sup> Avenue intersection in Oakland, California (Figures 1 and 2). City property records indicate the parcel's address is listed as 506 14<sup>th</sup> Street in the County Assessor's records. In addition, 14<sup>th</sup> Street has been re-named International Boulevard. The area surrounding the site is of mixed commercial and residential use. 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 at this Shell-branded service station were recently upgraded in late June through mid-July 2004 by Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California. Paradiso upgraded under-dispenser containment at the dispensers and installed enhanced vapor recovery equipment and improved sumps on the UST fuel fill ports.

**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.  
LeRoy Griffin on behalf of Keith L. Matthews, Hazardous Materials  
Inspector, City of Oakland, Fire Services Agency.

**Sample Date:** July 22, 2004

**Sampling Requirements:** At LeRoy Griffin's direction during field activities on July 22, 2004, Cambria collected soil samples within 1 to 2 feet of native soil beneath each dispenser, and at the 90-degree elbows of exposed product piping (Figure 2).

**Dispenser and Pipeline Sampling:** At Mr. Griffins' direction, six soil samples (P-1-5' through P-3-5' and D-1-5' through D-3-5') were collected at depths ranging from 4 to 5 feet below grade (Figure 2). Cambria's standard procedure for dispenser and piping sampling is presented as Attachment A.

**Sample Analyses:** State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California analyzed all six soil 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. Laboratory analytical results indicated the presence of hydrocarbons in soils in and around the dispenser locations. As a result, Shell filed an Underground Storage Tank Unauthorized Release Report Form (Attachment B). Table 1 summarizes laboratory analytical results. Attachment C presents laboratory analytical reports and chain of custody records.

**Waste Sampling and Disposal:** To characterize excavated soil for disposal, Cambria collected four brass tubes of soil from the approximately one cubic yard of removed 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 August 11, 2004, Manley Trucking of Sacramento, California arrived on site to remove the stockpile to Forward Landfill in Manteca, California for disposal as a non-hazardous waste. However, the driver was unable to locate any soil stockpile on site. Apparently, the excavated soil was either inadvertently removed from the site or re-used as fill on site. A soil disposal confirmation report with zero tonnage is included as Attachment D.

**CONCLUSIONS**

The current soil sampling identified petroleum-hydrocarbon- and MTBE-impacted soil near the dispensers and piping elbow locations. Based upon the site's location and public water supply well information in the California Geotracker database, Cambria believes it is unlikely that groundwater in the area is used for drinking water.

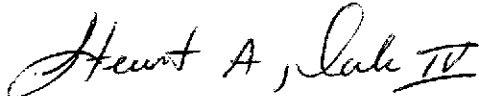
To compare the results to applicable screening criteria, Cambria compared the results to the San Francisco Regional Water Quality Control Board's (RWQCB) environmental screening levels (ESLs) and the City of Oakland Urban Land Redevelopment Program's Tier 1 risk based screening levels (RBSLs) for soil for commercial land uses, and where groundwater is not used as drinking water. Only the TPHg, ethylbenzene, and total xylenes concentrations in sample P-3-5' exceeded the applicable RWQCB ESLs. None of the soil sample results exceeded the applicable Oakland RBSLs.



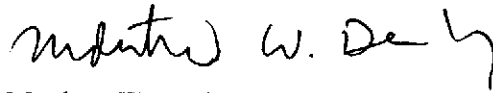
**CLOSING**

Please call Matt Derby at (510) 420-3332 if you have any questions or comments.

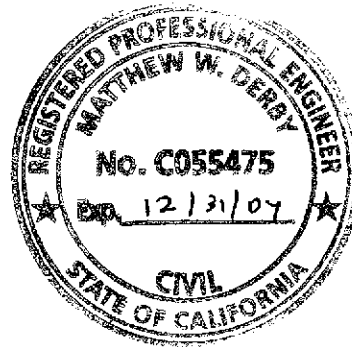
Sincerely,  
**Cambria Environmental Technology, Inc.**



Stewart A. Dalie  
Staff Scientist



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



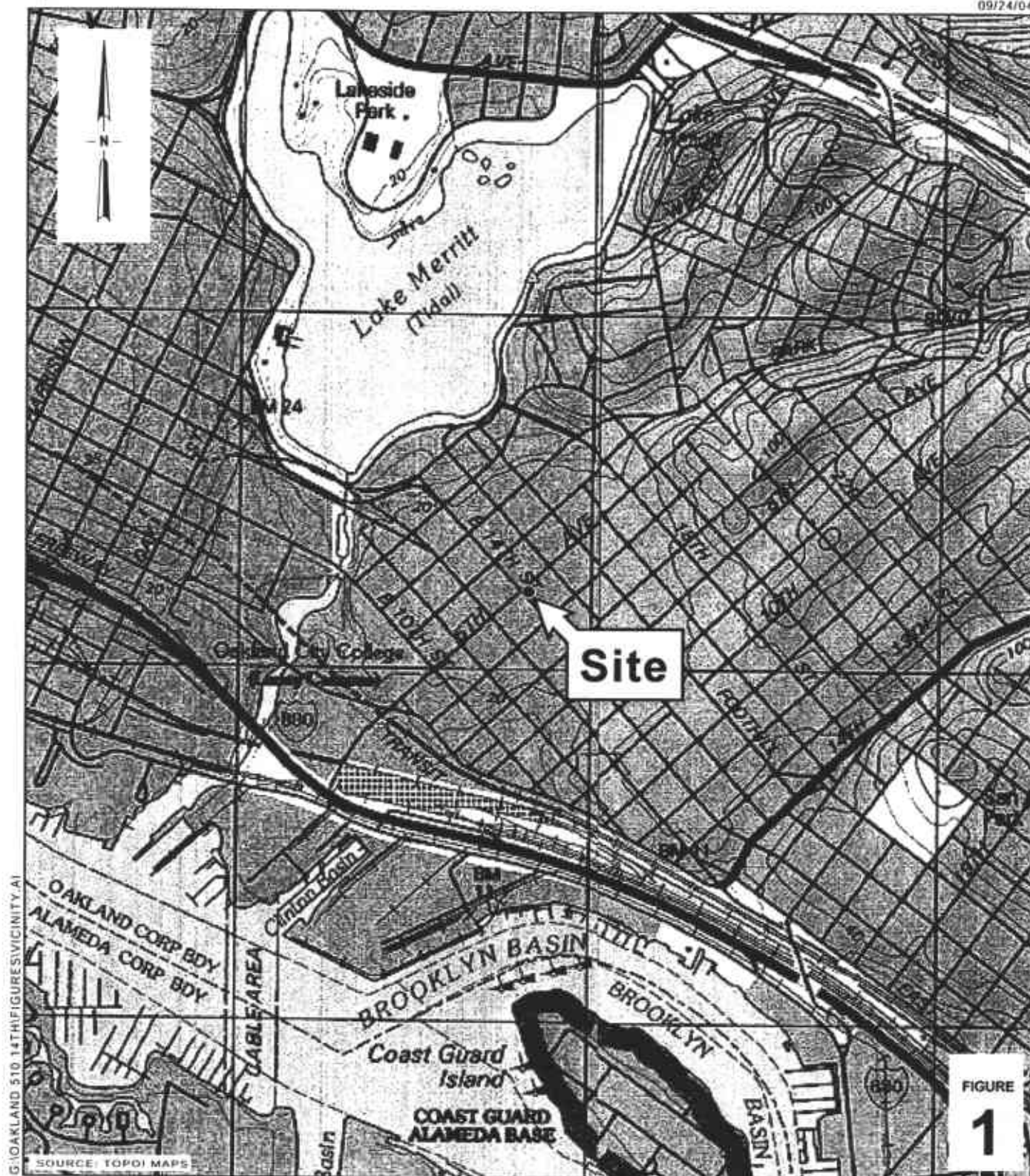
Figures:        1 - Vicinity Map  
                  2 - Soil Sample Location Map

Table:            1 - Soil Analytical Results

Attachments:    A - Standard Piping and Dispenser Removal Sampling Procedures  
                      B - Underground Storage Tank Unauthorized Release  
                      C - Laboratory Analytical Reports  
                      D - Soil Disposal Confirmation Report

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  
                  Rosana Garcia-LaGrille, Alameda County Health Care Services Agency, 1131 Harbor  
                  Bay Parkway, Suite 250, Alameda, CA 94502-6577

G:\Oakland 510 14th\2004 Upgrades\510 2004 upgrade report .doc

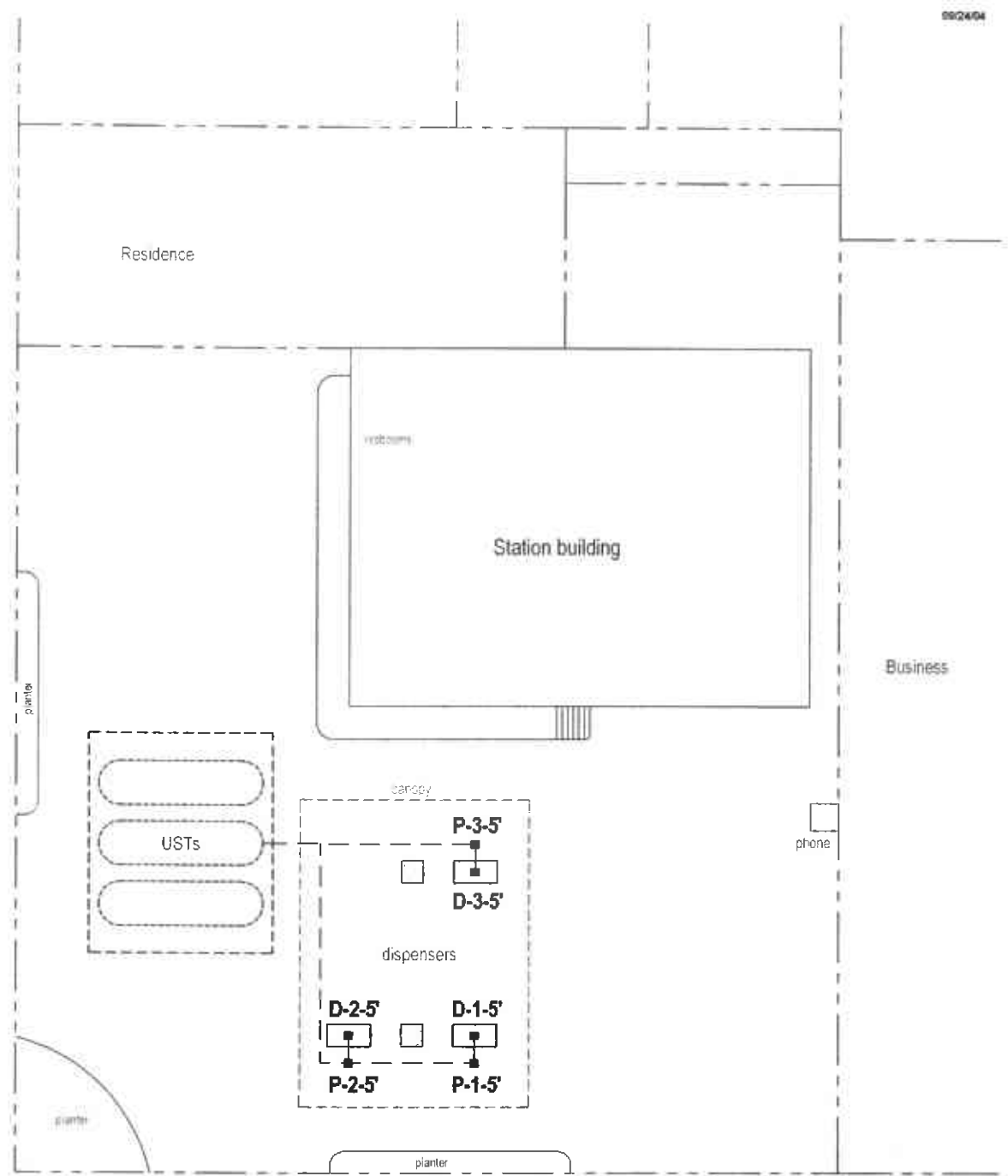
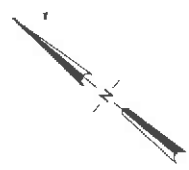


**Shell-branded Service Station**  
 510 (506) East 14th Street (International Blvd.)  
 Oakland, California



C A M B R I A

**Vicinity Map**



G:\OAKLAND 510 14TH\FIGURES\SITE PLAN & 04.DWG

1101 14TH STREET (INTERNATIONAL BOULEVARD) OAKLAND, CALIFORNIA

**EXPLANATION**

D-1-5' ■ Soil sample location

----- Product piping

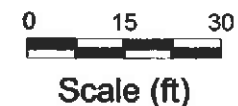


FIGURE 2

**Shell-branded Service Station**  
 510 (506) East 14th Street (International Boulevard)  
 Oakland, California



C A M B R I A

**Soil Sample Location Map**

July 22, 2004

**Table 1. Soil Analytical Results - Shell-branded Service Station - 510 East 14th Street, Oakland, California, SAP # 135695**

Sample ID	Date Sampled	Depth (fbg)	TPHg	← ppm →				MTBE
				Benzene	Toluene	Ethyl benzene	Total Xylenes	
P-1-5'	07/22/04	5	<b>220</b>	<0.50	<0.50	<0.50	<0.50	<0.50
P-2-5'	07/22/04	5	<b>4.8</b>	<0.0050	<b>0.045</b>	<b>0.021</b>	<b>0.14</b>	<b>0.020</b>
P-3-5'	07/22/04	5	<b>8,400</b>	<5.0	<5.0	<b>52</b>	<b>420</b>	<5.0
D-1-5'	07/22/04	5	<b>92</b>	<0.50	<0.50	<b>0.57</b>	<b>0.52</b>	<0.50
D-2-5'	07/22/04	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.015</b>
D-3-5'	07/22/04	5	<b>1.4</b>	<0.0050	<0.0050	<b>0.0082</b>	<b>0.12</b>	<0.0050

**Abbreviations & Notes:**

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8260B  
 MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B  
 BTEX = Benzene, ethyl benzene, 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**

**Underground Storage Tank Unauthorized Release**

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
REPORT DATE 07/27/04	CASE #	SIGNED _____ DATE _____

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <b>KAREN PETRYNA</b>	PHONE <b>(559) 645-9306</b>	SIGNATURE
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD	COMPANY OR AGENCY NAME <b>Shell Oil Products US</b>
	ADDRESS <b>20945 S. Wilmington</b> <small>STREET</small>		

RESPONSIBLE PARTY	NAME <b>Equilon Enterprises dba Shell Oil Products US</b>	CONTACT PERSON <b>KAREN PETRYNA</b>	PHONE <b>(559) 645-9306</b>
	ADDRESS <b>20945 S. Wilmington</b> <small>STREET</small>	<b>CARSON</b> <small>CITY</small>	<b>CA</b> <small>STATE</small>

SITE LOCATION	FACILITY NAME (IF APPLICABLE) <b>Shell-branded Service Station</b>	OPERATOR	PHONE <b>( )</b>	
	ADDRESS <b>510 E. 14th St (International Blvd)</b> <small>STREET</small>	<b>OAKLAND</b> <small>CITY</small>	<b>ALAMEDA</b> <small>COUNTY</small>	<b>94606</b> <small>ZIP</small>
	CROSS STREET <b>5th Avenue</b>			

IMPLEMENTING AGENCIES	LOCAL AGENCY <b>ALAMEDA COUNTY ENVIRONMENTAL HEALTH SERVICES</b>	CONTACT PERSON <b>DONNA DROGOS</b>	PHONE <b>(510) 567-6721</b>
	REGIONAL BOARD <b>S.F. Bay Region 2 Regional Water Quality Control Board</b>	<b>Betty Graham</b>	PHONE <b>(510) 622-2358</b>

SUBSTANCES INVOLVED	(1) NAME <b>Gasoline constituents</b>	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 07/26/04	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS	OTHER <input checked="" type="checkbox"/> <b>Soil sampling/equipment upgrade</b>
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)	
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE	<input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING	

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER <b>Unknown</b>
--------------	---	--

CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
-----------	--

CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION
	<input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS
	<input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	<input type="checkbox"/> EXCAVATE & DISPOSE (ED)	<input type="checkbox"/> REMOVE FREE PRODUCT (FP)	<input type="checkbox"/> ENHANCED BIO DEGRADATION (IT)
	<input type="checkbox"/> CAP SITE (CS)	<input type="checkbox"/> EXCAVATE & TREAT (ET)	<input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT)	<input type="checkbox"/> REPLACE SUPPLY (RS)
	<input type="checkbox"/> CONTAINMENT BARRIER (CB)	<input type="checkbox"/> NO ACTION REQUIRED (NA)	<input type="checkbox"/> TREATMENT AT HOOKUP (HU)	<input type="checkbox"/> VENT SOIL (VS)
	<input type="checkbox"/> VACUUM EXTRACT (VE)	<input type="checkbox"/> OTHER (OT)		

**COMMENTS**  
Soil samples collected 7/21/04, final results reported 7/26/04. Total Xylenes: 420 ppm  
Maximum known soil concentrations: Toluene: 0.045 ppm  
TPH = 8400 ppm Benzene = Non-detect Ethylbenzene: 52 ppm MTBE = 0.020 ppm

**ATTACHMENT C**

**Laboratory Analytical Reports**

**Cambria Environmental Emeryville**

July 23, 2004

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0898-002

Site: 510 E. 14th St., Oakland, CA

Dear Mr. Derby:

Attached is our report for your samples received on 07/22/2004 16:15

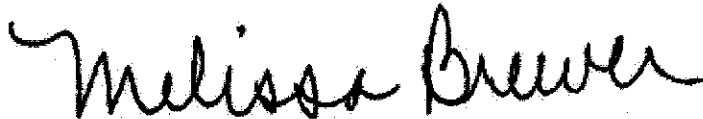
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/05/2004 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](mailto: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](http://www.stl-inc.com) \* CA DHS ELAP# 2496

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D-2-5'	07/22/2004	Soil	2
D-3-5'	07/22/2004	Soil	3
P-2-5'	07/22/2004	Soil	5

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

07/23/2004 16:10

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-2-5	Lab ID:	2004-07-0684 - 2
Sampled:	07/22/2004	Extracted:	7/23/2004 12:22
Matrix:	Soil	QC Batch#:	2004/07/23-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/23/2004 12:22	
Benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:22	
Toluene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:22	
Total xylenes	ND	0.0050	mg/Kg	1.00	07/23/2004 12:22	
Methyl tert-butyl ether (MTBE)	0.015	0.0050	mg/Kg	1.00	07/23/2004 12:22	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	66.3	76-124	%	1.00	07/23/2004 12:22	sl
Toluene-d8	109.7	75-116	%	1.00	07/23/2004 12:22	

Severn Trent Laboratories, Inc.

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

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

07/23/2004 16:10

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-3-5	Lab ID:	2004-07-0684 - 3
Sampled:	07/22/2004	Extracted:	7/23/2004 12:40
Matrix:	Soil	QC Batch#:	2004/07/23-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1.4	1.0	mg/Kg	1.00	07/23/2004 12:40	
Benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:40	
Toluene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:40	
Ethyl benzene	0.0082	0.0050	mg/Kg	1.00	07/23/2004 12:40	
Total xylenes	0.12	0.0050	mg/Kg	1.00	07/23/2004 12:40	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	07/23/2004 12:40	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	103.3	76-124	%	1.00	07/23/2004 12:40	
Toluene-d8	97.5	75-116	%	1.00	07/23/2004 12:40	

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

07/23/2004 16:10





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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-2-5	Lab ID:	2004-07-0684 -5
Sampled:	07/22/2004	Extracted:	7/23/2004 12:59
Matrix:	Soil	QC Batch#:	2004/07/23-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4.8	1.0	mg/Kg	1.00	07/23/2004 12:59	
Benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:59	
Toluene	0.045	0.0050	mg/Kg	1.00	07/23/2004 12:59	
Ethyl benzene	0.021	0.0050	mg/Kg	1.00	07/23/2004 12:59	
Total xylenes	0.14	0.0050	mg/Kg	1.00	07/23/2004 12:59	
Methyl tert-butyl ether (MTBE)	0.020	0.0050	mg/Kg	1.00	07/23/2004 12:59	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.1	76-124	%	1.00	07/23/2004 12:59	
Toluene-d8	97.0	75-116	%	1.00	07/23/2004 12:59	

Severn Trent Laboratories, Inc.

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

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Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Batch QC Report					
Prep(s): 5030B		Test(s): 8260B			
Method Blank		Soil		QC Batch # 2004/07/23-2B.69	
MB: 2004/07/23-2B.69-045		Date Extracted: 07/23/2004 11:45			
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	07/23/2004 11:45	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	07/23/2004 11:45	
Benzene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Toluene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Ethyl benzene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Total xylenes	ND	0.0050	mg/Kg	07/23/2004 11:45	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	110.4	76-124	%	07/23/2004 11:45	
Toluene-d8	114.2	75-116	%	07/23/2004 11:45	

Severn Trent Laboratories, Inc.

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Phone: (510) 420-3332 Fax: (510) 420-9170

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Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Batch QC Report										
Prep(s): 5030B					Test(s): 8260B					
Laboratory Control Spike			Soil			QC Batch # 2004/07/23-2B-69				
LCS	2004/07/23-2B-69-008		Extracted: 07/23/2004			Analyzed: 07/23/2004 11:08				
LCSD	2004/07/23-2B-69-026		Extracted: 07/23/2004			Analyzed: 07/23/2004 11:26				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0546	0.0484	0.05	109.2	96.8	12.0	65-165	20		
Benzene	0.0509	0.0506	0.05	101.8	101.2	0.6	69-129	20		
Toluene	0.0506	0.0495	0.05	101.2	99.0	2.2	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	488	492	500	97.6	98.4		76-124			
Toluene-d8	540	539	500	108.0	107.8		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

07/23/2004 16:10

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

---

**Legend and Notes**

---

**Result Flag**

sl

Surrogate recoveries were lower than QC limit due to matrix interference,  
confirmed by reanalysis.

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

07/23/2004 16:10

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
D-1-5'	07/22/2004	Soil	1
P-1-5'	07/22/2004	Soil	4
P-3-5'	07/22/2004	Soil	6

Severn Trent Laboratories, Inc.

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

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

07/26/2004 13:08

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-1-5	Lab ID:	2004-07-0684-1
Sampled:	07/22/2004	Extracted:	7/24/2004 14:42
Matrix:	Soil	QC Batch#:	2004/07/23-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	92	50	mg/Kg	1.00	07/24/2004 14:42	
Benzene	ND	0.50	mg/Kg	1.00	07/24/2004 14:42	
Toluene	ND	0.50	mg/Kg	1.00	07/24/2004 14:42	
Ethyl benzene	0.57	0.50	mg/Kg	1.00	07/24/2004 14:42	
Total xylenes	0.52	0.50	mg/Kg	1.00	07/24/2004 14:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	07/24/2004 14:42	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.3	53-129	%	1.00	07/24/2004 14:42	
Toluene-d8	103.0	47-136	%	1.00	07/24/2004 14:42	

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

07/26/2004 13:08

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-1-5	Lab ID:	2004-07-0684 - 4
Sampled:	07/22/2004	Extracted:	7/25/2004 00:55
Matrix:	Soil	QC Batch#:	2004/07/23-3A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220	50	mg/Kg	1.00	07/25/2004 00:55	
Benzene	ND	0.50	mg/Kg	1.00	07/25/2004 00:55	
Toluene	ND	0.50	mg/Kg	1.00	07/25/2004 00:55	
Ethyl benzene	ND	0.50	mg/Kg	1.00	07/25/2004 00:55	
Total xylenes	ND	0.50	mg/Kg	1.00	07/25/2004 00:55	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	1.00	07/25/2004 00:55	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	83.3	53-129	%	1.00	07/25/2004 00:55	
Toluene-d8	76.2	47-136	%	1.00	07/25/2004 00:55	

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Prep(s): 5030B	Test(s): 8260B
Sample ID: P-3-5	Lab ID: 2004-07-0684 - 6
Sampled: 07/22/2004	Extracted: 7/24/2004 15:19
Matrix: Soil	QC Batch#: 2004/07/23-3A.62
Analysis Flag: o ( See Legend and Note Section )	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8400	500	mg/Kg	10.00	07/24/2004 15:19	
Benzene	ND	5.0	mg/Kg	10.00	07/24/2004 15:19	
Toluene	ND	5.0	mg/Kg	10.00	07/24/2004 15:19	
Ethyl benzene	52	5.0	mg/Kg	10.00	07/24/2004 15:19	
Total xylenes	420	5.0	mg/Kg	10.00	07/24/2004 15:19	
Methyl tert-butyl ether (MTBE)	ND	5.0	mg/Kg	10.00	07/24/2004 15:19	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	NA	53-129	%	10.00	07/24/2004 15:19	sd
Toluene-d8	NA	47-136	%	10.00	07/24/2004 15:19	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

07/26/2004 13:08



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Batch QC Report					
Prep(s): 5030B		Test(s): 8260B			
Method Blank		Soil		QC Batch # 2004/07/23-3A.62	
MB: 2004/07/23-3A.62-012		Date Extracted: 07/26/2004 10:30			
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	mg/Kg	07/26/2004 10:30	
Benzene	ND	0.50	mg/Kg	07/26/2004 10:30	
Toluene	ND	0.50	mg/Kg	07/26/2004 10:30	
Ethyl benzene	ND	0.50	mg/Kg	07/26/2004 10:30	
Total xylenes	ND	0.50	mg/Kg	07/26/2004 10:30	
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	07/26/2004 10:30	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	125.6	53-129	%	07/26/2004 10:30	
Toluene-d8	118.0	47-136	%	07/26/2004 10:30	

Severn Trent Laboratories, Inc.

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

07/26/2004 13:08

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike				Soil			QC Batch # 2004/07/23-3A.62			
LCS	2004/07/23-3A.62-029			Extracted: 07/23/2004			Analyzed: 07/23/2004 19:29			
LCSD	2004/07/23-3A.62-051			Extracted: 07/23/2004			Analyzed: 07/23/2004 19:51			
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	9.73	9.83	10	97.3	98.3	1.0	69-129	20		
Toluene	9.87	9.31	10	98.7	93.1	5.8	70-130	20		
Methyl tert-butyl ether (MTBE)	9.89	9.39	10	98.9	93.9	5.2	65-165	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	307	306	250	122.8	122.4		53-129			
Toluene-d8	281	250	250	112.4	100.0		47-136			

Severn Trent Laboratories, Inc.

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

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

07/26/2004 13:08

**Gas/BTEXFuel Oxygenates by 8260B (High Level)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

Received: 07/22/2004 16:15

Site: 510 E. 14th St., 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

07/26/2004 13:08

2004-07-0684

Shell Oil Products US Chain Of Custody Record

88061

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SERVICE & ENGINEERING
- TECHNICAL SERVICES
- LAB HOUSTON

Bill Merchant

INCIDENT NUMBER (SRE ONLY)

9 8 7 6 5 4 3 2 1

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 8 9 5

DATE: 7/22/2004

PAGE: 1 of 1

CONSULTANT COMPANY:  
**CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC**

ADDRESS:  
**5900 HOLLIS ST., Suite A**

CITY:  
**EMERYVILLE, CA 94608**

TELEPHONE: **510-420-0700** FAX: **510-420-9170** EMAIL: **mderbj@cambria-env.com**

SITE ADDRESS (Street and City):  
**910 E. 14th Street, Oakland, California**

PROJECT CONTACT (Project ID):  
**mderbj@cambria-env.com**

CONSULTANT PROJECT NO.: **206-0896-002**

SAMPLERS NAME: **Stu Dalle**

LAB USE ONLY

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

LA - RMQC REPORT FORMAT  USE AGENCY

OCVMS/MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST DEPTH BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

6 describe soil samples

CC: lab results to mderbj@cambria-env.com

REQUESTED ANALYSIS

TPH - Purgeable	TPH - Extractable (2015a)	BTEX	MTBE	BA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCS by 8280B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> STC <input type="checkbox"/> TCLP	Metals LUFTS <input type="checkbox"/> STC <input type="checkbox"/> TCLP	Metals CAM17 <input type="checkbox"/> STC <input type="checkbox"/> TCLP	Paint Filter Test	Test for Disposal (DB-)	TCLP Volatiles	TCLP Semi-Volatiles
X	X	X	X														
X	X	X	X														
X	X	X	X														
X	X	X	X														
X	X	X	X														
X	X	X	X														

9216

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

6.0  
on ice

**RUSH**

Retrieved by (Signature): *[Signature]*

Received by (Signature): *[Signature]*

Date: 7/22/04

Time: 3:00 pm

Retrieved by (Signature): *[Signature]*

Received by (Signature): *[Signature]*

Date: 7/22/04

Time: 16:15

Retrieved by (Signature): *[Signature]*

Received by (Signature): *[Signature]*

Date: 7/22/04

Time: 7:50

***Waste Disposal Samples***

**Cambria Environmental Emeryville**

July 23, 2004

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Attn.: Matt Derby

Project#: 206-0898-002

Project: NA

Site: 510 E. 14th Street, Oakland, CA

Dear Mr. Derby:

Attached is our report for your samples received on 07/22/2004 16:15

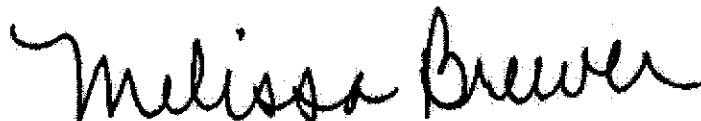
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/05/2004 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](mailto: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](http://www.stl-inc.com) \* CA DHS ELAP# 2496

Submission: 2004-07-0685

Project Verification

**SEVERN**

**TRENT**

Received on: 07/22/2004 16:15

From: **Cambria Environmental Emeryville**

By: **Melissa Brewer**

**Matt Derby**

**STL San Francisco**  
1220 Quarry Ln  
Pleasanton CA 94566

Cooler Tmp: 6.0

5900 Hollis Street, Ste. A  
Emeryville, CA 94608

Tel.: (925) 484-1919  
Fax: (925) 484-1096  
www.stl-inc.com

Project#: 206-0898-002

EESA-9138-GYO

Project: NA

510 E. 14th Street, Oakland, CA

CA DHS ELAP#:2496

Lab Sample #	Sample ID	Matrix	Sampled
EPA Method	Analysis	TAT	Due Date
2004-07-0685 - 1	SP-1	Soil	07/22/2004 14:30
8015M	Diesel	1 Day	07/23/2004 16:15
8260B	Selectable Gas/BTEX Fuel Oxygenates by 8260B	1 Day	07/23/2004 16:15
	<i>Benzene, Ethyl benzene, Gasoline, Toluene, Total xylenes</i>		
6010B	Total Lead	1 Day	07/23/2004 16:15

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	07/22/2004 14:30	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

07/23/2004 13:43



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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-1	Lab ID:	2004-07-0685-1
Sampled:	07/22/2004 14:30	Extracted:	7/23/2004 12:03
Matrix:	Soil	QC Batch#:	2004/07/23-2A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3.5	1.0	mg/Kg	1.00	07/23/2004 12:03	
Benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:03	
Toluene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/23/2004 12:03	
Total xylenes	ND	0.0050	mg/Kg	1.00	07/23/2004 12:03	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	102.6	76-124	%	1.00	07/23/2004 12:03	
Toluene-d8	99.0	75-116	%	1.00	07/23/2004 12:03	

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

07/23/2004 13:43

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2004/07/23-2A.69-045

Soil

Test(s): 8260B

QC Batch # 2004/07/23-2A.69

Date Extracted: 07/23/2004 11:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	07/23/2004 11:45	
Benzene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Toluene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Ethyl benzene	ND	0.0050	mg/Kg	07/23/2004 11:45	
Total xylenes	ND	0.0050	mg/Kg	07/23/2004 11:45	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	110.4	76-124	%	07/23/2004 11:45	
Toluene-d8	114.2	75-116	%	07/23/2004 11:45	

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

07/23/2004 13:43

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

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002  
NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Batch QC Report										
Prep(s): 5030B						Test(s): 8260B				
Laboratory Control Spike			Soil			QC Batch # 2004/07/23-2A.69				
LCS	2004/07/23-2A.69-008		Extracted: 07/23/2004			Analyzed: 07/23/2004 11:08				
LCSD	2004/07/23-2A.69-026		Extracted: 07/23/2004			Analyzed: 07/23/2004 11:26				
Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0509	0.0506	0.05	101.8	101.2	0.6	69-129	20		
Toluene	0.0506	0.0495	0.05	101.2	99.0	2.2	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	488	492	500	97.6	98.4		76-124			
Toluene-d8	540	539	500	108.0	107.8		75-116			

**Total Lead**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	07/22/2004 14:30	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

07/23/2004 14:47

**Total Lead**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-1	Lab ID:	2004-07-0685 - 1
Sampled:	07/22/2004 14:30	Extracted:	7/23/2004 05:16
Matrix:	Soil	QC Batch#:	2004/07/23-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	25	1.0	mg/Kg	1.00	07/23/2004 12:25	

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

07/23/2004 14:47

**Total Lead**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002  
NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Batch QC Report					
Prep(s): 3050B		Soil		Test(s): 6010B	
Method Blank				QC Batch # 2004/07/23-01.15	
MB: 2004/07/23-01.15-066				Date Extracted: 07/23/2004 05:16	
Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	07/23/2004 10:45	

**Total Lead**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002  
NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Batch QC Report										
Prep(s): 3050B					Test(s): 6010B					
<b>Laboratory Control Spike</b>			<b>Soil</b>			<b>QC Batch # 2004/07/23-01.15</b>				
LCS	2004/07/23-01.15-067		Extracted: 07/23/2004			Analyzed: 07/23/2004 10:48				
LCSD	2004/07/23-01.15-068		Extracted: 07/23/2004			Analyzed: 07/23/2004 10:51				
Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	98.8	98.2	100.0	98.8	98.2	0.6	80-120	20		

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SP-1	07/22/2004 14:30	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

07/26/2004 10:48



**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SP-1	Lab ID:	2004-07-0685-1
Sampled:	07/22/2004 14:30	Extracted:	7/23/2004 09:42
Matrix:	Soil	QC Batch#:	2004/07/23-2B.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	07/23/2004 16:15	ndp
<b>Surrogate(s)</b> o-Terphenyl	80.4	60-130	%	1.00	07/23/2004 16:15	

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

07/26/2004 10:48

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Batch QC Report					
Prep(s): 3550/8015M		Test(s): 8015M			
Method Blank		Soil		QC Batch # 2004/07/23-2B.10	
MB: 2004/07/23-2B.10-001		Date Extracted: 07/23/2004 09:42			
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/23/2004 17:10	
<b>Surrogates(s)</b> o-Terphenyl	87.0	60-130	%	07/23/2004 17:10	

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

07/26/2004 10:48

**Diesel (C9-C24)**

Cambria Environmental Emeryville  
Attn.: Matt Derby

5900 Hollis Street, Ste. A  
Emeryville, CA 94608  
Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002  
NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

Batch QC Report			
Prep(s): 3550/8015M		Test(s): 8015M	
<b>Laboratory Control Spike</b>		<b>Soil</b>	
QC Batch # 2004/07/23-2B.10			
LCS	2004/07/23-2B.10-002	Extracted: 07/23/2004	Analyzed: 07/23/2004 16:43
LCSD	2004/07/23-2B.10-003	Extracted: 07/23/2004	Analyzed: 07/23/2004 17:38

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	30.7	36.3	41.3	74.3	87.5	16.3	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.6	19.1	20.0	87.8	95.7		60-130			

**Diesel (C9-C24)**

Cambria Environmental Emeryville

Attn.: Matt Derby

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3332 Fax: (510) 420-9170

Project: 206-0898-002

NA

Received: 07/22/2004 16:15

Site: 510 E. 14th Street, Oakland, CA

**Legend and Notes**

**Result Flag**

ndp

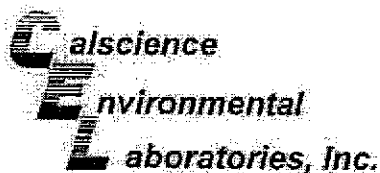
Hydrocarbon reported does not match the pattern of our Diesel standard

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

07/26/2004 10:48



July 28, 2004

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

Subject: Calscience Work Order No.: 04-07-1377  
Client Reference: 2004-07-0685 / 206-0898-002

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/27/2004 and analyzed in accordance with the attached chain-of-custody.

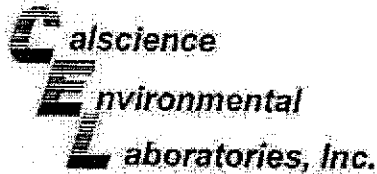
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows 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,

Calscience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager

Michael J. Crisostomo  
Quality Assurance Manager



Analytical Report



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

Date Received: 07/27/04  
 Work Order No: 04-07-1377  
 Preparation: DHS LUFT  
 Method: DHS LUFT

Project: 2004-07-0685 / 206-0898-002

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SP-1	04-07-1377-1	07/22/04	Solid	07/27/04	07/27/04	040727L05

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

Method Blank	099-10-020-217	N/A	Solid	07/27/04	07/27/04	040727L05
--------------	----------------	-----	-------	----------	----------	-----------

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

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

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



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

Date Received: 07/27/04  
 Work Order No: 04-07-1377  
 Preparation: DHS LUFT  
 Method: DHS LUFT

Project: 2004-07-0685 / 206-0898-002

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSO Batch Number
SP-1	Solid	FLAA	07/27/04	07/27/04	040727505

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Organic Lead	90	92	50-130	2	0-20	

RPD - Relative Percent Difference, CL - Control Limit



**Environmental Quality Control - Laboratory Control Sample**  
**Laboratories, Inc.**



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

Date Received: N/A  
 Work Order No: 04-07-1377  
 Preparation: DHS LUFT  
 Method: DHS LUFT

Project: 2004-07-0685 / 206-0898-002

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
098-10-020-217	Solid	PEAA	07/27/04		040727L05

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Organic Lead	25.0	24.9	100	50-130	

RPD - Relative Percent Difference, CL - Control Limit

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



Work Order Number: 04-07-1377

<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.



SEVERN  
TRENT

STL

07-1377

Date Shipped: 7/26/2004

Chain of Custody

2004-07-0685 - 5

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

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

Project Manager: Melissa Brewer  
Phone: Ext:  
Fax: (925) 484-1096  
Email: mbrewer@stl-inc.com

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

CL Submission #: 2004-07-0685  
CL PO #:

Project #: 206-0898-002  
Project Name: NA

SP-1	1	7/22/2004 2:30:00PM	Soil	5	Day
Subcontract - Organic Lead			LUFT		

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

24 HRS

**RUSH**

RELINQUISHED BY: 1.

Signature: *Bryan Thomas* Time: 14:45  
Printed Name: Bryan Thomas Date: 7/26/04  
Company: STL-SF

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: *Noel Castillo* Time: 10:20  
Printed Name: Noel Castillo Date: 7/27/04  
Company: CalScience



WORK ORDER #:

04-07-1377

Cooler 1 of 1

### SAMPLE RECEIPT FORM

CLIENT: STL

DATE: 7/27/04

#### 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.
- 2.3 °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:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STL San Francisco

Sample Receipt Checklist

Submission #: 2004-07-0685

Checklist completed by: (Initials) TB Date: 7/22/04

Courier name:  STL San Francisco  Client

Custody seals intact on shipping container/samples Yes No Not Present /

Chain of custody present? Yes / No

Chain of custody signed when relinquished and received? Yes / No

Chain of custody agrees with sample labels? Yes / No

Samples in proper container/bottle? Yes / No

Sample containers intact? Yes / No

Sufficient sample volume for indicated test? Yes / No

All samples received within holding time? Yes / No

Container/Temp Blank temperature in compliance ( $4^{\circ}C \pm 2$ )? Temp: 6.0°C Yes / No

Ice Present Yes / No

Water - VOA vials have zero headspace? No VOA vials submitted Yes / No

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small - O), M (medium - O) or L (large - O))

Water - pH acceptable upon receipt?  Yes  No

pH adjusted- Preservative used:  HNO<sub>3</sub>  HCl  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnOAc - Lot #(s)

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) Date: / /04

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):

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

Date Shipped: 7/26/2004

**2004-07-0685 - 5**

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

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

Project Manager: Melissa Brewer  
Phone: (714) 895-5494 Ext:  
Phone: Ext:  
Fax: () -

Fax: (925) 484-1096  
Email: mbrewer@stl-inc.com

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

CL Submission #: 2004-07-0685  
CL PO #:

Project #: 206-0898-002  
Project Name: NA

Client Sample ID/ Analysis	CL#	Sampled	Matrix Method	TAT
SP-1 Subcontract - Organic Lead	1	7/22/2004 2:30:00PM	Soil LUFT	5 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature _____ Time _____	Signature _____ Time _____	Signature _____ Time _____
Printed Name _____ Date _____	Printed Name _____ Date _____	Printed Name _____ Date _____
Company _____	Company _____	Company _____
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature _____ Time _____	Signature _____ Time _____	Signature _____ Time _____
Printed Name _____ Date _____	Printed Name _____ Date _____	Printed Name _____ Date _____
Company _____	Company _____	Company _____

1220 Quarry Lane  
Pleasanton, CA 94566

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

Shell Project Manager to be Invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- OIL & PULP

Gill Merchant

2004-07-0685  
0685

INCIDENT NUMBER (S&E ONLY)

8	9	9	5	7	5	3
---	---	---	---	---	---	---

SAP or CRMT NUMBER (TS/CRMT)

1	3	5	6	9	5
---	---	---	---	---	---

DATE: 7/22/2004

PAGE: 1 of 2

CONSULTANT COMPANY: <b>CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC</b>		SITE ADDRESS (R/WAN and City): 510 E. 14th Street, Oakland, California	
ADDRESS: 5900 HOLLIS ST., Suite A		PROJECT CONTACT (Name): mderby@cambria-env.com	
CITY: EMERYVILLE, CA 94608		CONSULTANT PROJECT NO.: 206-0898-002	
TELEPHONE: 510-420-0700	FAX: 510-420-9170	SAMPLERS NAME: Stu Dalie	
EMAIL: mderby@cambria-env.com		LAB USE ONLY	

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

IA - RWOC8 REPORT FORMAT  UST AGENCY

COMMITTEE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST per BORING \_\_\_\_\_ ALL \_\_\_\_\_

SPECIAL INSTRUCTIONS OR NOTES:  
 TEMPERATURE ON RECEIPT   
 1, 4 pt composite for waste disposal  
 TPTU, IBTEX, TCC  
 CC: lab.results to mderby@cambria-env.com

Field Sample Identification				SAMPLING		MATRIX	NO. OF CONT.	REQUESTED ANALYSIS														FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes												
LAB USE ONLY	DATE	TIME						TPH - Pirgeable	TPH - Extractable (BTEX)	BTEX	BA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by #280B	Semi-Volatiles by #270C	Lead	As	Bioc	TCUP		Merbis LUFTS	Bioc	TCUP	Merbis CAMIT	Bioc	TCUP	Paint Filter Test	Test for Disposal (see 5.1)	TCLP Volatiles	TCLP Semi-Volatiles		
	SP-1A	7/22/04	7:30	Sol	1			X	X	X																							6.0. C-1710 pt ID pt ↓ SP-1 ~~~~~ done	
	SP-1B	↓	↓	↓	1			X	X	X																								
	SP-1C	↓	↓	↓	1			X	X	X																								
	SP-1D	↓	↓	↓	1			X	X	X																								

**RUSH**

Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>Cambria Fudge, Safe Location Jerry G. L.</i>	Date: 7/22/04	Time: 3:00 pm
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/22/04	Time: 16:15
Relinquished by (Signature): <i>Rodney Allen</i>	Received by (Signature): <i>[Signature]</i>	Date: 7/22/04	Time: 17:50

2004-07-0685

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)

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

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

~~MTBE METHOD 8250B (GC/MS)~~

AQUATIC BIOASSAY (FISH TOX) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPH. AQUATIC BIOASSAY (FISH TOX) = PART 300 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

SAMPLE STATUS CHANGE FORM



STL San Francisco

Change request received by: MB

Date Requested: 7/23/04

Submission #	Client Sample ID	Old Status Description	Description of Changes	Requested By (Client's Name)
2004-07-0685	SP-1		Add Organic Pb	Project Requirements
3 day TAT				
(24 hr for Calscience) if possible				
<b>RUSH</b>				
Changes were done in LIMS by (login): _____ On: <u>  </u> / <u>  </u> / <u>  </u>				
CC: <input type="checkbox"/> Lab Director <input type="checkbox"/> Team Leader <input type="checkbox"/> Analyst <input type="checkbox"/> Proj. Manager				



**ATTACHMENT D**

**Soil Disposal Confirmation Report**



# FAXED

Hazardous Waste Hauler (Registration #2843)

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

## Disposal Confirmation

Request for Transportation Received: 8/2/04

### Consultant Information

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

### Site Information

Station #: N/A  
Street Address: 510 E 14<sup>th</sup> Street  
City, State, ZIP: Oakland, CA 94612

Customer: Shell Oil Company      RESA-0023-LDC  
RIPR #: 36662  
SAP # / Location: 135695  
Incident #: \_\_\_\_\_  
Location / WIC #: 204-5508-6607  
Environmental Engineer: Bill Merchant

Material Description: Contaminated soil  
Estimated Quantity: 5 yards  
Service Requested Date: \_\_\_\_\_

Disposal Facility: Forward Landfill  
Contact: Joe Griffith  
Phone: 800 204-4242  
Approval #: 4688  
Date of Disposal: 08/11/04  
Actual Tonnage → 0

Transporter: Manley & Sons Trucking, Inc.  
Contact: Janice Cox  
Phone: 916 381-6864  
Fax: 916 381-1573  
Invoice: 52407  
Date of Invoice: 08/02/04