

C A M B R I A

20223

June 28, 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

NO
RO

Re: **Dispenser and Piping Upgrade Sampling Report**
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident # 98995752
Cambria Project #206-0414-001

Alameda County
JUL 02 2004
Environmental Health



Dear Mr. Matthews:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, 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 and analytical results.

SITE CONDITIONS

Location: This active Shell-branded service station is located on the southeast corner of the Hegenberger Road and Edes Avenue intersection in Oakland, California (Figures 1 & 2). Commercial property surrounds the site. The service station layout includes a station building, two dispenser islands, and a gasoline underground storage tank (UST) complex. (Figure 2).

Upgrade Activities: This Shell-branded service station was recently upgraded by Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California. Paradiso upgraded under dispenser containment to the dispenser locations adjacent to product, vapor and vent lines. Additionally, Paradiso installed enhanced vapor recovery equipment on the UST fuel fill port sumps on the top of the UST's in the tank pit area.

Cambria
Environmental
Technology, Inc.

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

SAMPLING ACTIVITIES AND SAMPLE ANALYSIS

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

Sample Date: April 22, 2004.

Sampling Requirements: Based on a conversation between Stewart Dalie and Keith Matthews during field activities on April 22, 2004, one soil sample was collected beneath each dispenser within 1 to 2 feet of native soil and at 90-degree elbows of product piping (Figure 2). Only the dispenser locations and the adjacent 90-degree elbows of product piping were exposed and available for sampling as part of the project scope.

Dispenser and Pipeline Sampling: Under Mr. Matthews' direction, 12 soil samples were collected at depths ranging from 4 to 5 feet below grade (fbg) (Figure 2). Cambria's standard procedures for dispenser and piping sampling are presented as Attachment A.

Sample Analyses: State-certified laboratory Severn Trent Laboratories Inc. of Pleasanton, California analyzed all 12 samples for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8260B. Additionally, two samples were analyzed for total petroleum hydrocarbons as diesel by EPA Method 8015 modified. Table 1 summarizes laboratory analytical results. Attachment B presents laboratory analytical reports and chain of custody records.

Waste Handling: To characterize stockpiled soil for disposal, four brass tubes of soil were collected from the approximately 50 cubic yards of stockpiled soil and composited by the analytical laboratory. The soil was analyzed for TPHg and BTEX by EPA Method 8260B, and for total threshold limit concentration lead. On April 30, 2004, the stockpile was transported to Forward Landfill in Manteca, California for disposal.

ANALYTICAL RESULTS

Analytes were detected in each of the 12 soil samples submitted for analysis. Maximum TPHg, benzene, and MTBE concentrations identified in soil were 1,400 parts per million (ppm) TPHg in sample P-5-5', 4.3 ppm benzene in sample D-2-5', and 43 ppm MTBE in sample D-5-5'. Soil analytical results are summarized in Table 1.

CONCLUSIONS

The current soil sampling identifies petroleum hydrocarbon and MTBE impacts to soil in the vicinity of the dispenser and piping areas. The results observed are consistent with previous sampling performed during upgrade and site investigation activities. As a result of previous investigation, this site has an active groundwater extraction system and several monitoring wells, which are monitored on a quarterly basis.

Cambria will continue remediation activities under the direction of the Alameda County Health Care Services Agency.



CLOSING

Please call Diane Lundquist at (510) 420-3334 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

Stewart A. Dalie IV
Staff Scientist

Diane M. Lundquist, P.E.
Principal Engineer

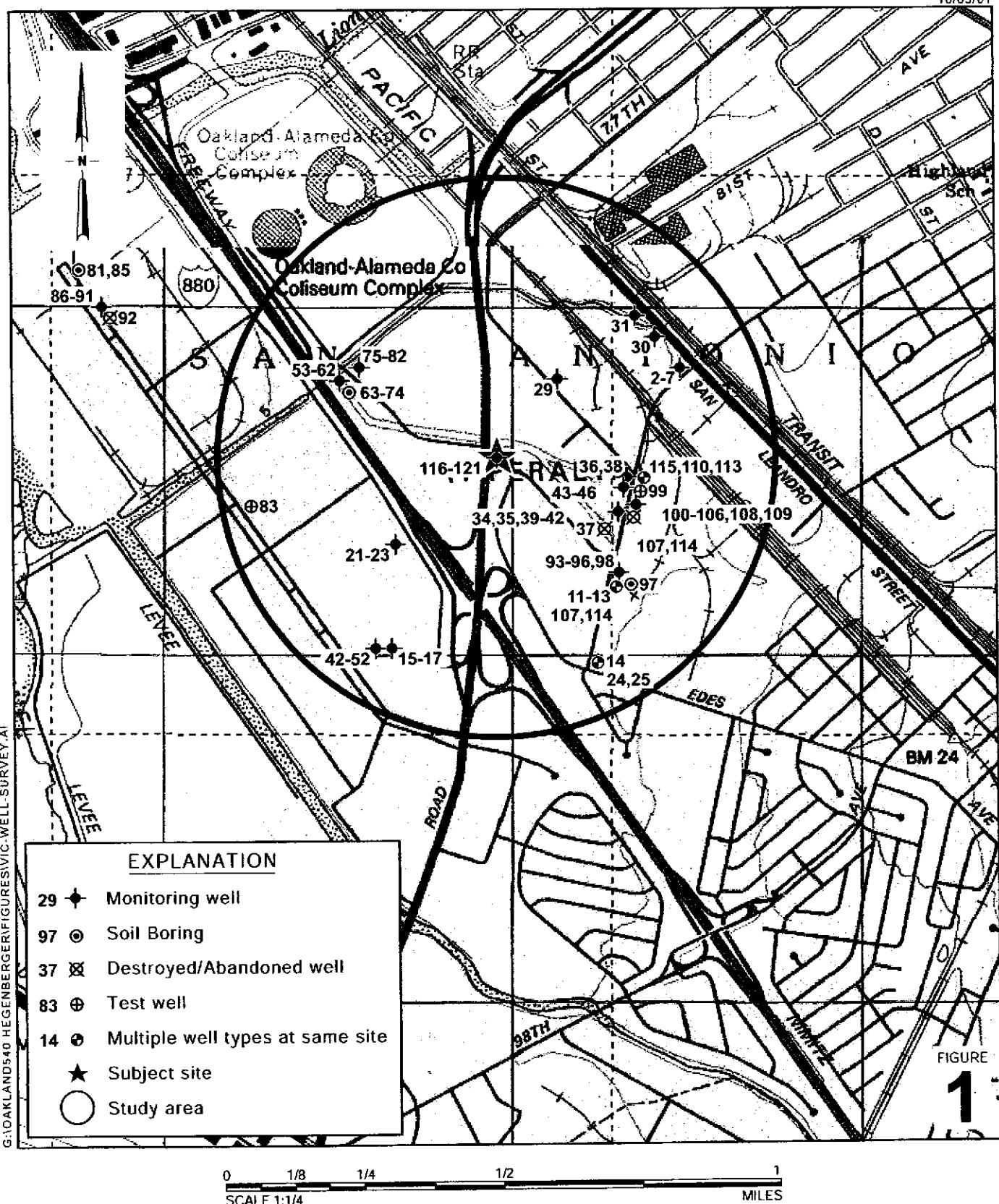


Figures: 1 - Vicinity/Area Well Survey Map
 2 - Soil Sample Location Map

Table: 1 - Soil Analytical Data

Attachments: A - Standard Piping and Dispenser Removal Sampling Procedures
 B - Laboratory Analytical Data

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington, Carson CA 90810
 Mr. Bill Merchant, Shell Oil Products US, 9141 E. Stockton Boulevard, Suite 250-321, Elk Grove, CA 95624
 Amir K. Gholami, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502-6577



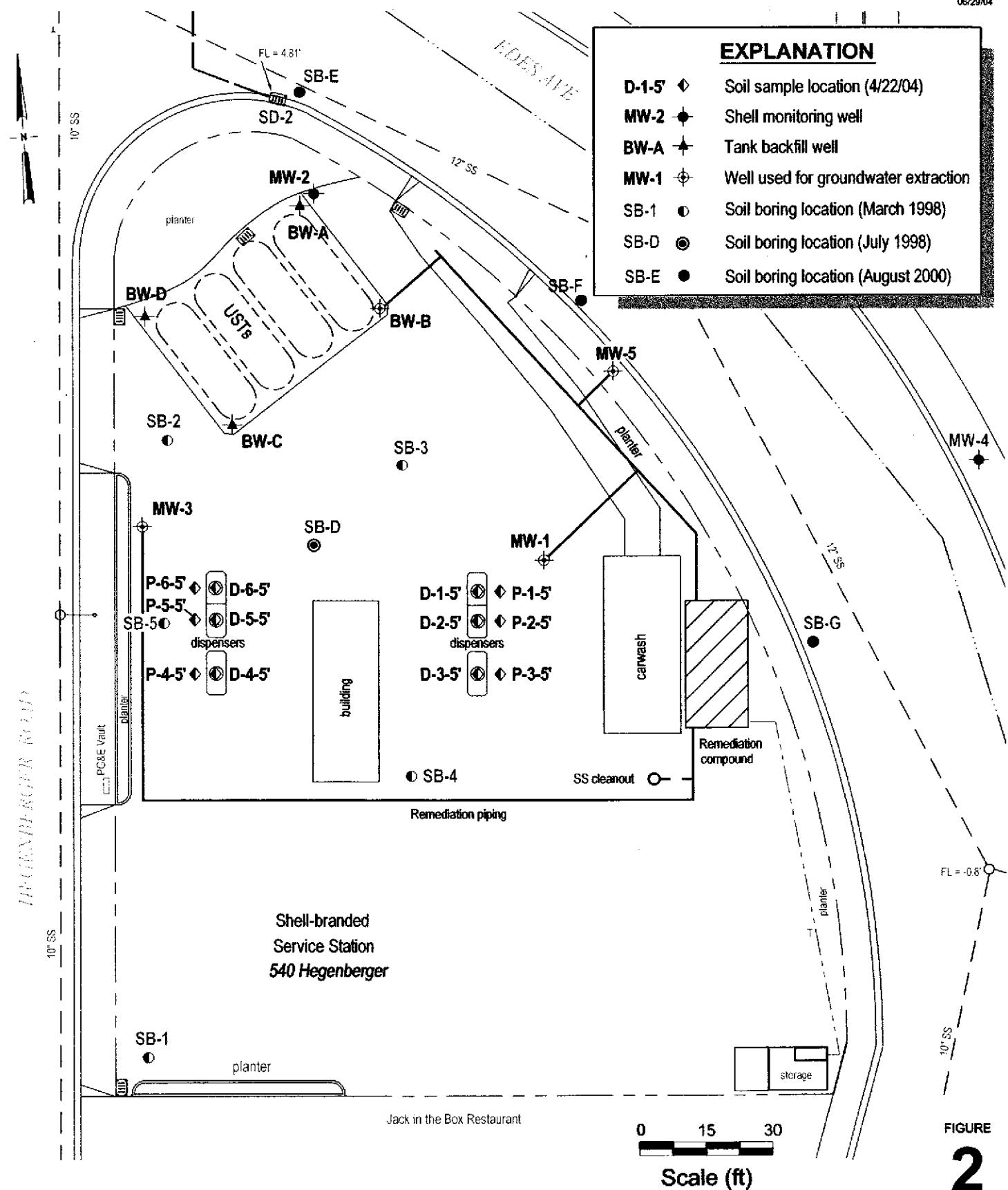
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752



CAMBRIA

Vicinity / Area Well Survey Map

(1/2-Mile Radius)

FIGURE
2

Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752



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**Soil Sample
Location Map**

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Table 1. Soil Analytical Data - Shell-branded Service Station - 540 Hegenberger Road, Oakland, California, Incident # 98995752

Sample ID	Date	Depth (feet below grade)	TPHg	TPHd	Benzene	Toluene (ppm)	Ethylbenzene	Xylenes	MTBE
D-1-5'	4/22/2004	5	1,000	---	3.7	<2.5	12	<2.5	18
D-2-5'	4/22/2004	5	1,300	1200 ^a	4.3	<0.50	14	2.6	23
D-3-5'	4/22/2004	5	6.6	---	0.15	0.031	0.063	0.047	0.66
D-4-5'	4/22/2004	5	<50	---	1.0	<0.50	2.0	<0.50	33
D-5-5'	4/22/2004	5	<50	---	0.59	3.4	0.67	3.3	43
D-6-5'	4/22/2004	5	59	---	<0.50	<0.50	<0.50	0.6	9.8
P-1-5'	4/22/2004	5	<50	---	<0.50	<0.50	1.3	0.65	7.4
P-2-5'	4/22/2004	5	240	1200 ^a	2.8	<0.50	1.3	1.2	13
P-3-5'	4/22/2004	5	240	---	<1.3	<1.3	2.2	<1.3	<1.3
P-4-5'	4/22/2004	5	<50	---	<0.50	<0.50	<0.50	<0.50	7.3
P-5-5'	4/22/2004	5	1,400	---	<2.5	<2.5	3.1	2.5	3.4
P-6-5'	4/22/2004	5	180	---	<0.50	<0.50	1.3	<0.50	6.0

Notes and Abbreviations:

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

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

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

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

ppm = parts per million

<X = Below laboratory detection limit of X

--- = Not analyzed

a = Reported hydrocarbon does not match lab's diesel standard.

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 Data

Cambria Environmental Emeryville

April 27, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Diane Lundquist

Project#: 206-0414

Project: 98995752

Site: 540 Hegenburger Avenue, Oakland, CA

Dear Ms. Lundquist,

Attached is our report for your samples received on 04/22/2004 17:00

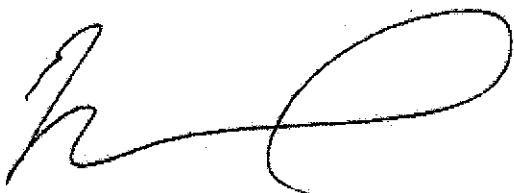
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/06/2004 unless you have requested otherwise.

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

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

Sincerely,



Vincent Vancil
Project Manager

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-2-5	04/22/2004 12:45	Soil	2
P-2-5	04/22/2004 13:30	Soil	5

Diesel (C9-C24)

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	D-2-5	Lab ID:	2004-04-0686-2
Sampled:	04/22/2004 12:45	Extracted:	4/22/2004 05:34
Matrix:	Soil	QC Batch#:	2004/04/22-1A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1200	5.0	mg/Kg	5.00	04/23/2004 11:47	ndp
Surrogate(s) o-Terphenyl	NA	60-130	%	5.00	04/23/2004 11:47	sd

Diesel (C9-C24)

Cambria Environmental Emeryville

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5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	P-2-5	Lab ID:	2004-04-0686-5
Sampled:	04/22/2004 13:30	Extracted:	4/22/2004 05:34
Matrix:	Soil	QC Batch#:	2004/04/22-1A 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1200	5.0	mg/Kg	5.00	04/23/2004 11:20	ndp
Surrogate(s) o-Terphenyl	NA	60-130	%	5.00	04/23/2004 11:20	sd

Diesel (C9-C24)

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Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report					
Prep(s): 3550/8015M					Test(s): 8015M
Method Blank		Soil		QC Batch #:	2004/04/22-1A-10
MB: 2004/04/22-1A-10-001				Date Extracted:	04/22/2004 05:34
Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/22/2004 12:32	
Surrogates(s)					
o-Terphenyl	101.3	60-130	%	04/22/2004 12:32	

Diesel (C9-C24)

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Project: 206-0414
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Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report													
Prep(s): 3550/8015M		Test(s): 8015M											
Laboratory Control Spike			Soil			QC Batch # 2004/04/22-1A-10							
LCS	2004/04/22-1A-10-002					Extracted: 04/22/2004							
LCSD	2004/04/22-1A-10-003					Analyzed: 04/22/2004 11:38							
Compound		Conc.	mg/Kg	Exp.Conc.	Recovery %	RPD	Ctrl.Limits %		Flags				
		LCS	LCSD		LCS LCSD	%	Rec.	RPD	LCS	LCSD			
Diesel		38.5	40.4	41.6	92.5 97.1	4.9	60-130	25					
Surrogates(s)		20.2	20.9	20.0	101.0 104.7		60-130						
<i>o-Terphenyl</i>													

Diesel (C9-C24)

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Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

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

Cambria Environmental Emeryville

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Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-1-5	04/22/2004 12:30	Soil	1
D-2-5	04/22/2004 12:45	Soil	2
P-1-5	04/22/2004 13:15	Soil	4
P-2-5	04/22/2004 13:30	Soil	5
P-3-5	04/22/2004 13:45	Soil	6
D-4-5	04/22/2004 14:00	Soil	7
D-5-5	04/22/2004 14:15	Soil	8
D-6-5	04/22/2004 14:30	Soil	9
P-4-5	04/22/2004 14:45	Soil	10
P-5-5	04/22/2004 15:00	Soil	11
P-6-5	04/22/2004 15:15	Soil	12

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-4-5	Lab ID:	2004-04-0686-1
Sampled:	04/22/2004 12:30	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A.69
Analysis Flag: o (See Legend and Note Section.)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1000	250	mg/Kg	5.00	04/26/2004 20:21	
Benzene	3.7	2.5	mg/Kg	5.00	04/26/2004 20:21	
Toluene	ND	2.5	mg/Kg	5.00	04/26/2004 20:21	
Ethyl benzene	12	2.5	mg/Kg	5.00	04/26/2004 20:21	
Total xylenes	ND	2.5	mg/Kg	5.00	04/26/2004 20:21	
Methyl tert-butyl ether (MTBE)	18	2.5	mg/Kg	5.00	04/26/2004 20:21	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	NA	70-121	%	5.00	04/26/2004 20:21	sd
Toluene-d8	NA	81-117	%	5.00	04/26/2004 20:21	sd

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

Cambria Environmental Emeryville

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Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-2-5	Lab ID:	2004-04-0686-2
Sampled:	04/22/2004 12:45	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1300	50	mg/Kg	1.00	04/27/2004 14:07	
Benzene	4.3	0.50	mg/Kg	1.00	04/27/2004 14:07	
Toluene	ND	0.50	mg/Kg	1.00	04/27/2004 14:07	
Ethyl benzene	14	0.50	mg/Kg	1.00	04/27/2004 14:07	
Total xylenes	2.6	0.50	mg/Kg	1.00	04/27/2004 14:07	
Methyl tert-butyl ether (MTBE)	23	0.50	mg/Kg	1.00	04/27/2004 14:07	
Surrogate(s)						
1,2-Dichloroethane-d4	106.0	70-121	%	1.00	04/27/2004 14:07	
Toluene-d8	95.7	81-117	%	1.00	04/27/2004 14:07	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-1-5	Lab ID:	2004-04-0686-4
Sampled:	04/22/2004 13:15	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	04/26/2004 23:22	
Benzene	ND	0.50	mg/Kg	1.00	04/26/2004 23:22	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 23:22	
Ethyl benzene	1.3	0.50	mg/Kg	1.00	04/26/2004 23:22	
Total xylenes	0.65	0.50	mg/Kg	1.00	04/26/2004 23:22	
Methyl tert-butyl ether (MTBE)	7.4	0.50	mg/Kg	1.00	04/26/2004 23:22	
Surrogate(s)						
1,2-Dichloroethane-d4	114.5	70-121	%	1.00	04/26/2004 23:22	
Toluene-d8	111.8	81-117	%	1.00	04/26/2004 23:22	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-2-5	Lab ID:	2004-04-0686-5
Sampled:	04/22/2004 13:30	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	240	50	mg/Kg	1.00	04/26/2004 20:57	
Benzene	2.8	0.50	mg/Kg	1.00	04/26/2004 20:57	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 20:57	
Ethyl benzene	1.3	0.50	mg/Kg	1.00	04/26/2004 20:57	
Total xylenes	1.2	0.50	mg/Kg	1.00	04/26/2004 20:57	
Methyl tert-butyl ether (MTBE)	13	0.50	mg/Kg	1.00	04/26/2004 20:57	
Surrogate(s)						
1,2-Dichloroethane-d4	99.7	70-121	%	1.00	04/26/2004 20:57	
Toluene-d8	92.9	81-117	%	1.00	04/26/2004 20:57	

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

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Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	6030B	Test(s):	8260B
Sample ID:	P3-5	Lab ID:	2004-04-0686-6
Sampled:	04/22/2004 13:45	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A.69
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	240	130	mg/Kg	2.50	04/27/2004 14:25	
Benzene	ND	1.3	mg/Kg	2.50	04/27/2004 14:25	
Toluene	ND	1.3	mg/Kg	2.50	04/27/2004 14:25	
Ethyl benzene	2.2	1.3	mg/Kg	2.50	04/27/2004 14:25	
Total xylenes	ND	1.3	mg/Kg	2.50	04/27/2004 14:25	
Methyl tert-butyl ether (MTBE)	ND	1.3	mg/Kg	2.50	04/27/2004 14:25	
Surrogate(s)						
1,2-Dichloroethane-d4	NA	70-121	%	2.50	04/27/2004 14:25	sd
Toluene-d8	NA	81-117	%	2.50	04/27/2004 14:25	sd

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

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Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-4-5	Lab ID:	2004-04-0686-7
Sampled:	04/22/2004 14:00	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-B9

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	04/26/2004 21:33	
Benzene	1.0	0.50	mg/Kg	1.00	04/26/2004 21:33	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 21:33	
Ethyl benzene	2.0	0.50	mg/Kg	1.00	04/26/2004 21:33	
Total xylenes	ND	0.50	mg/Kg	1.00	04/26/2004 21:33	
Methyl tert-butyl ether (MTBE)	33	0.50	mg/Kg	1.00	04/26/2004 21:33	
Surrogate(s)						
1,2-Dichloroethane-d4	97.3	70-121	%	1.00	04/26/2004 21:33	
Toluene-d8	93.2	81-117	%	1.00	04/26/2004 21:33	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Attn.: Diane Lundquist

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Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-5-5	Lab ID:	2004-04-0686 - 8
Sampled:	04/22/2004 14:15	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	04/26/2004 21:51	
Benzene	0.59	0.50	mg/Kg	1.00	04/26/2004 21:51	
Toluene	3.4	0.50	mg/Kg	1.00	04/26/2004 21:51	
Ethyl benzene	0.67	0.50	mg/Kg	1.00	04/26/2004 21:51	
Total xylenes	3.3	0.50	mg/Kg	1.00	04/26/2004 21:51	
Methyl tert-butyl ether (MTBE)	43	0.50	mg/Kg	1.00	04/26/2004 21:51	
Surrogate(s)						
1,2-Dichloroethane-d4	101.8	70-121	%	1.00	04/26/2004 21:51	
Toluene-d8	95.3	81-117	%	1.00	04/26/2004 21:51	

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(S):	5030B	Test(s):	8260B
Sample ID:	06-5	Lab ID:	2004-04-0686-9
Sampled:	04/22/2004 14:30	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	59	50	mg/Kg	1.00	04/26/2004 22:10	
Benzene	ND	0.50	mg/Kg	1.00	04/26/2004 22:10	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 22:10	
Ethyl benzene	ND	0.50	mg/Kg	1.00	04/26/2004 22:10	
Total xylenes	0.58	0.50	mg/Kg	1.00	04/26/2004 22:10	
Methyl tert-butyl ether (MTBE)	9.8	0.50	mg/Kg	1.00	04/26/2004 22:10	
Surrogate(s)						
1,2-Dichloroethane-d4	99.5	70-121	%	1.00	04/26/2004 22:10	
Toluene-d8	92.2	81-117	%	1.00	04/26/2004 22:10	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-4-5	Lab ID:	2004-04-0686-10
Sampled:	04/22/2004 14:45	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	mg/Kg	1.00	04/26/2004 22:28	
Benzene	ND	0.50	mg/Kg	1.00	04/26/2004 22:28	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 22:28	
Ethyl benzene	ND	0.50	mg/Kg	1.00	04/26/2004 22:28	
Total xylenes	ND	0.50	mg/Kg	1.00	04/26/2004 22:28	
Methyl tert-butyl ether (MTBE)	7.3	0.50	mg/Kg	1.00	04/26/2004 22:28	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	100.3	70-121	%	1.00	04/26/2004 22:28	
Toluene-d8	98.2	81-117	%	1.00	04/26/2004 22:28	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-5-5	Lab ID:	2004-04-0686-11
Sampled:	04/22/2004 15:00	Extracted:	4/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69
Analysis Flag: o (See Legend and Note Section.)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1400	250	mg/Kg	5.00	04/26/2004 22:46	
Benzene	ND	2.5	mg/Kg	5.00	04/26/2004 22:46	
Toluene	ND	2.5	mg/Kg	5.00	04/26/2004 22:46	
Ethyl benzene	3.1	2.5	mg/Kg	5.00	04/26/2004 22:46	
Total xylenes	2.5	2.5	mg/Kg	5.00	04/26/2004 22:46	
Methyl tert-butyl ether (MTBE)	3.4	2.5	mg/Kg	5.00	04/26/2004 22:46	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	NA	70-121	%	5.00	04/26/2004 22:46	sd
Toluene-d8	NA	81-117	%	5.00	04/26/2004 22:46	sd

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	P-6-5	Lab ID:	2004-04-0686-12
Sampled:	04/22/2004 15:15	Extracted:	04/26/2004 11:00
Matrix:	Soil	QC Batch#:	2004/04/26-3A-69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	180	50	mg/Kg	1.00	04/26/2004 23:04	
Benzene	ND	0.50	mg/Kg	1.00	04/26/2004 23:04	
Toluene	ND	0.50	mg/Kg	1.00	04/26/2004 23:04	
Ethyl benzene	1.3	0.50	mg/Kg	1.00	04/26/2004 23:04	
Total xylenes	ND	0.50	mg/Kg	1.00	04/26/2004 23:04	
Methyl tert-butyl ether (MTBE)	6.0	0.50	mg/Kg	1.00	04/26/2004 23:04	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	98.0	70-121	%	1.00	04/26/2004 23:04	
Toluene-d8	97.3	81-117	%	1.00	04/26/2004 23:04	

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report						
Prep(s): 5090B						Test(s): 8260B
Method Blank		Soil				QC Batch # 2004/04/26-3A 69
MB: 2004/04/26-3A 69-053						Date Extracted: 04/26/2004 18:53
Compound	Conc.	RL	Unit	Analyzed	Flag	
Gasoline	ND	50	mg/Kg	04/26/2004 18:53		
Benzene	ND	0.50	mg/Kg	04/26/2004 18:53		
Toluene	ND	0.50	mg/Kg	04/26/2004 18:53		
Ethyl benzene	ND	0.50	mg/Kg	04/26/2004 18:53		
Total xylenes	ND	0.50	mg/Kg	04/26/2004 18:53		
Methyl tert-butyl ether (MTBE)	ND	0.50	mg/Kg	04/26/2004 18:53		
Surrogates(s)						
1,2-Dichloroethane-d4	106.6	70-121	%	04/26/2004 18:53		
Toluene-d8	101.2	81-117	%	04/26/2004 18:53		

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report													
Prep(s): 5030B		Test(s): 0260B											
Laboratory Control Spike			Soil			QC Batch # 2004/04/26-3A-69							
LCS	2004/04/26-3A-69-017					Extracted: 04/26/2004							
LCSD	2004/04/26-3A-69-035					Analyzed: 04/26/2004 18:17							
Compound	Conc.		mg/Kg		Exp.Conc.		Recovery %		RPD	Ctrl.Limits %			
	LCS	LCSD	LCS	LCSD	LCS	LCSD	%	Rec.	RPD	LCS	LCSD		
Benzene	11.7	12.2	10.00	117.0	122.0	4.2	69-129	20					
Toluene	10.7	11.6	10.00	107.0	116.0	8.1	70-130	20					
Methyl tert-butyl ether (MTBE)	11.5	11.2	10.00	115.0	112.0	2.6	65-165	20					
<i>Surrogates(s)</i>													
1,2-Dichloroethane-d4	236	250	250	94.4	100.0		70-121						
Toluene-d8	227	255	250	90.8	102.0		81-117						

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, 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.

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
D-3-5'	04/22/2004 13:00	Soil	3

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

Cambria Environmental Emeryville
Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	D-3-5	Lab ID:	2004-04-0686-3
Sampled:	04/22/2004 13:00	Extracted:	4/23/2004 00:12
Matrix:	Soil	QC Batch#:	2004/04/22-1A-63
Analysis Flag: o (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6.6	6.2	mg/Kg	6.17	04/23/2004 00:12	
Benzene	0.15	0.031	mg/Kg	6.17	04/23/2004 00:12	
Toluene	ND	0.031	mg/Kg	6.17	04/23/2004 00:12	
Ethyl benzene	0.063	0.031	mg/Kg	6.17	04/23/2004 00:12	
Total xylenes	0.047	0.031	mg/Kg	6.17	04/23/2004 00:12	
Methyl tert-butyl ether (MTBE)	0.66	0.031	mg/Kg	6.17	04/23/2004 00:12	
Surrogate(s)						
1,2-Dichloroethane-d4	107.0	70-121	%	6.17	04/23/2004 00:12	
Toluene-d8	102.7	81-117	%	6.17	04/23/2004 00:12	

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Soil

QC Batch #: 2004/04/22-3A-69

MB: 2004/04/22-3A-69-047

Date Extracted: 04/22/2004 21:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	04/22/2004 21:47	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	04/22/2004 21:47	
Benzene	ND	0.0050	mg/Kg	04/22/2004 21:47	
Toluene	ND	0.0050	mg/Kg	04/22/2004 21:47	
Ethyl benzene	ND	0.0050	mg/Kg	04/22/2004 21:47	
Total xylenes	ND	0.0050	mg/Kg	04/22/2004 21:47	
Surrogates(s)					
1,2-Dichloroethane-d4	111.2	70-121	%	04/22/2004 21:47	
Toluene-d8	113.0	81-117	%	04/22/2004 21:47	

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B		Test(s): 8260B								
Laboratory Control Spike		Soil								
LCS	2004/04/22-3A.69-012	Extracted: 04/22/2004	Analyzed: 04/22/2004 21:12							
LCSD	2004/04/22-3A.69-030	Extracted: 04/22/2004	Analyzed: 04/22/2004 21:30							
QC Batch # 2004/04/22-3A.69										
Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %	RPD	Ctrl.Limits %	Flags			
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	0.0490	0.0536	0.05	98.0	107.2	9.0	65-165	20		
Benzene	0.0526	0.0558	0.05	105.2	111.6	5.9	69-129	20		
Toluene	0.0527	0.0517	0.05	105.4	103.4	1.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	507	546	500	101.4	109.2		70-121			
Toluene-d8	579	551	500	115.8	110.2		81-117			

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

Cambria Environmental Emeryville

Attn.: Diane Lundquist

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 206-0414

98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Legend and Notes**Analysis Flag**

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

LAB: STL San Francisco

2004-04-06 8:30 AM In Of Custody Record

8594

Lab Identification (1 point)

ISSN 1720-048X

Digitized by srujanika@gmail.com

Shell Project Manager to be invoiced:		INCIDENT NUMBER (S/L/E ONLY)							
<input type="checkbox"/> SCIENCE & ENGINEERING	<input checked="" type="checkbox"/> TECHNICAL SERVICES	9	3	9	9	5	7	5	2
<input type="checkbox"/> COMM-FINANCIAL		SAP/ER/CRM NUMBER (ITS/CHMTL)							
Parry/Pineda/Tom Merchant		1	3	5	6	9	4		
DATE: 4/22/04 Page 1 of 2									

SAMPLING COMPANY: Cambris Environmental		LOC CODE: CETO		SITE ADDRESS IS IN THE CITY: 540 Hegenburger Avenue, Oakland, CA		GLOBAL NUMBER: T0600102123	
ADDRESS: 5900 Hollis St., Ste A, Emeryville, CA				EOT DELIVERABLE TO (Checkmark if applicable)		EMAIL: diane.lundquist@cambris-env.com	
PROJECT CONTACT (Name or PDF. READER): Diane Lundquist				PHONE NO.: 510-420-3339		CONSULTANT PROJECT ID: 206-0414	
TELEPHONE: 510-420-3334		FAX: 510-420-9170		EMAIL: diane.lundquist@cambris-env.com		SAMPLER NAME(S) (Print): Diane Lundquist	
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 18 HOURS <input type="checkbox"/> 4 HOURS <input checked="" type="checkbox"/> LESS THAN 24 HOURS						L49 USE ONLY	
<input type="checkbox"/> LAB INVOICE REPORT FORM <input type="checkbox"/> UST AGENCY:							
COMMITTEE CONFIRMATION: HIGHEST _____ HIGHEST per ECRING _____ ALL _____							
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF ECO IS NOT NEEDED: <input type="checkbox"/>							
Please see results to sdale@cambris-env.com .							
ITEM	Field Sample Identification	SAMPLING		NO. OF CONT	TPK CONT. Pkg. Grade:	NAME: DPE, ETDE, EDB, 1,1 DCA Ethanol (8250B)	EPA 5035 Extraction for Volatiles VOCs Halogenated Hydrocarbons (8221B) TPH (4131)
		DATE	TIME				
-	D-1-5	11/16/04	17:50	1	X	X	X
-	D-2-5				X		
-	D-3-5				X		
-	P-1-5				X		
-	P-2-5				X		
-	P-3-5				X		
TEST FOR DISPOSAL: <input type="checkbox"/> TEST FOR DISPOSAL, SEE ATTACHED							
WATER (check) CONTAMINATED, SEE NOTE: <input type="checkbox"/>							
TEMPERATURE ON REQUEST: <input type="checkbox"/> 20°C <input type="checkbox"/> On ICE <input type="checkbox"/> Field point 10							

EDUCATIONAL LEADERSHIP 39:3 150-155 2002

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Sale - Located in the village office of Idonea, Ohio. Stewart Dale.

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THE BOSTONIAN, NOVEMBER 18, 1861.

Digitized by srujanika@gmail.com

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SHELL Chain Of Custody Record

Lab Identification (if necessary)

Address: 1220 Bayberry Lane

City, State, Zip: Pleasanton CA 94569

Shell Project Manager to be invoiced:

 SOURCE & CHIEF INQUIRIES TECHNICAL SERVICES CRAFTSMANSHIP

Parry Pineo/Tom Merchant

INCIDENT NUMBER (S&S ONLY)

9 8 9 9 5 7 5 2

SAP or CRM NUMBER (TS/CRM)

1 3 5 6 9 4

DATE: 4/22/04

Page 2 of 2

SAMPLING COMPANY:

Cambria Environmental

AGREE TO SCL

6900 Hollis St., Ste A, Emeryville, CA

PROJECT NUMBER: 00000000000000000000000000000000

Diane Lundquist

TELEPHONE

510-420-3934

FAX

510-420-9170

TELE CODE

CETO

EMAIL

slundquist@cambr-env.com

SITE ADDRESS (Street City):

540 Hegenburger Avenue, Oakland, CA

CO/DISPERABLE TO (Checkmark if any or Dispersed)

PHONE NO:

510-420-3333

GLOBAL ID#:

T0600102123

EMAIL:

sdalio@cambr-env.com

CONSULTANT PROJECT NO.:

205-0414

TURNAROUND TIME (BUSINESS DAYS):

 5 DAYS 72 HOURS 16 HOURS 24 HOURS LESS THAN 24 HOURS
 LA - RWCB REPORT FORM USE AGENCYGC/MS/MTBE CONFIRMATION: HIGHEST HIGHEST per BORING ALLSPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF GLC IS NOT NEEDED

Please see results to sdalio@cambr-env.com

24 hr TAT

REQUESTED ANALYSIS

S A M P L E N O.	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH Crude Paraffins	STEX	TBA	MTBE (2360B) O-Soln R.L.	TIME: DUE: EBB, EDB, 1/2 DCA	Enhant (SOLVENT)	EPA 505: Extraction of Volatiles	VOCS Halogenated Aromatic (8621B)	TRPH (HPLC)	Vapor VOCs: BTEX / MTBE (TO-15)	Vapor VOCs: Full List (To-15)	Vapor TPH (ASTM 3486n)	Vapor Benzene (ASTM D1946)	Test for Discoloration (4B-1)	Test for Corrosion, see attached	TPH - Diesel Extractable 180/5M	NITRO (Organic Compounds, see Note)	FIELD NOTES: Container/Preservative or P.O. Readings, or Laboratory Notes	ON ICE Field point 10 TEMPERATURE ON RECEIPT (C)	
		DATE	TIME																						
-	D-4-5	4/17/04	2:00	X	1	X	X	X	X	EPP 4/17/04 DCA (2360B)															
-	D-5-5'		2:15																						
-	D-6-5'		2:30																						
-	P-4-5'		2:15																						
-	P-5-5'		3:00																						
-	P-6-5'		3:15	V	V	V	V	V	N																

Prepared by: (Signature)

Received by: (Signature)

SAC Location: Emeryville office refrigerator: Stewart Dalio

Received by: (Signature)

Reviewed by: (Signature)

Received by: (Signature)

Cambria Environmental Emeryville

April 27, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Cynthia Vasko

Project#: 206-0414

Project: 98995752

Site: 540 Hegenburger Avenue, Oakland, CA

Dear Ms. Vasko:

Attached is our report for your samples received on 04/22/2004 17:00

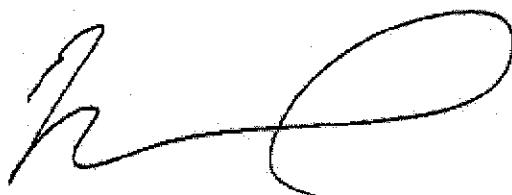
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 06/06/2004 unless you have requested otherwise.

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

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

Sincerely,



Vincent Vancil
Project Manager

Total Lead

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A

Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A-SP1D	04/22/2004 16:00	Soil	1

Total Lead

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	3050B	Test(s):	6010B
Sample ID:	SP-1A-SP1D	Lab ID:	2004-04-0687 - 1
Sampled:	04/22/2004 16:00	Extracted:	4/23/2004 13:33
Matrix:	Soil	QC Batch#:	2004/04/23-02 15
Compound		Conc.	RL
Lead		4.3	1.0
		mg/Kg	Unit
		1.00	Dilution
		04/23/2004 19:23	Analyzed
			Flag

Total Lead

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Method Blank**QC Batch # 2004/04/23-02.15**

MB: 2004/04/23-02.15-005

Date Extracted: 04/23/2004 13:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	04/23/2004 19:11	

Total Lead

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike**Soil**

QC Batch #: 2004/04/23-02:15

LCS 2004/04/23-02:15-006

Extracted: 04/23/2004

Analyzed: 04/23/2004 19:16

LCSD 2004/04/23-02:15-007

Extracted: 04/23/2004

Analyzed: 04/23/2004 19:19

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %	Flags		
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Lead	92.3	91.5	100.0	92.3	91.5	0.9	80-120	20		

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1A-SP1D	04/22/2004 16:00	Soil	1

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

Cambria Environmental Emeryville

Attn.: Cynthia Vasko

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Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SP-1A-SP1D	Lab ID:	2004-04-0687 - 1
Sampled:	04/22/2004 16:00	Extracted:	4/26/2004 10:16
Matrix:	Soil	QC Batch#:	2004/04/26-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/26/2004 10:16	
Benzene	ND	0.0050	mg/Kg	1.00	04/26/2004 10:16	
Toluene	ND	0.0050	mg/Kg	1.00	04/26/2004 10:16	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/26/2004 10:16	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/26/2004 10:16	
Surrogate(s)						
1,2-Dichloroethane-d4	100.9	70-121	%	1.00	04/26/2004 10:16	
Toluene-d8	94.9	81-117	%	1.00	04/26/2004 10:16	

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

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98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report					
Prep(s): 5030B Method Blank MB: 2004/04/26-1A.62-023	Soil	Test(s): 8260B QC Batch # 2004/04/26-1A.62	Date Extracted: 04/26/2004 08:23		
Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/26/2004 08:23	
Benzene	ND	0.0050	mg/Kg	04/26/2004 08:23	
Toluene	ND	0.0050	mg/Kg	04/26/2004 08:23	
Ethyl benzene	ND	0.0050	mg/Kg	04/26/2004 08:23	
Total xylenes	ND	0.0050	mg/Kg	04/26/2004 08:23	
Surrogates(s)					
1,2-Dichloroethane-d4	100.3	70-121	%	04/26/2004 08:23	
Toluene-d8	104.0	81-117	%	04/26/2004 08:23	

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

Cambria Environmental Emeryville

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Emeryville, CA 94608

Phone: (510) 420-3344 Fax: (510) 420-9170

Project: 206-0414
98995752

Received: 04/22/2004 17:00

Site: 540 Hegenburger Avenue, Oakland, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Soil**

QC Batch # 2004/04/26-1A-62

LCS 2004/04/26-1A-62-038

Extracted 04/26/2004

Analyzed: 04/26/2004 07:38

LCSD 2004/04/26-1A-62-001

Extracted 04/26/2004

Analyzed: 04/26/2004 08:01

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	0.0451	0.0419	0.05	90.2	83.8	7.4	69-129	20		
Toluene	0.0505	0.0459	0.05	101.0	91.8	9.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	491	500	500	98.2	100.0		70-121			
Toluene-d8	498	459	500	99.6	91.8		81-117			

LAB: STL San Francisco

2004-04-04-017 Map Of Custody Record

85092

Lab Identification (if necessary)

Address: 1230 Quarry Lane

City, State, Zip: Pleasanton, CA 94568

Shell Project Manager to be Invoiced:

- INDUSTRIAL SERVICES
 TECHNICAL SERVICES
 CHEM HOUSING

Perry/Pineda/Tom Merchant

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 5 2

DATE: 4/22/04

SAP or CRMT NUMBER (TS/CRMT)

1 3 5 6 9 4

Page 1 of

2

CAMPAIGN	CODE	SITE ADDRESS (Street and City)	GLOBAL ID#
Cambria Environmental	GETO	540 Hegenburger Avenue, Oakland, CA	T0600102123
ADDRESS		OFFICE STYLING TO IDENTIFY TYPE OF SAMPLE	CONSULTANT PROJECT NO
5900 Hollis St., Ste A, Emeryville, CA			
PROJECT CONTACT (Name & Ext/Phone):			
Diane Lundquist		Shelley Landen of Cambria Environs	
TELEPHONE	FAX	E-MAIL	
510-420-3334	510-420-8170	SLundquist@Cambria-env.com	
TURNAROUND TIME (BUSINESS DAYS):			
<input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input checked="" type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS			
<input type="checkbox"/> LA - RWQCB REPORT FORM <input type="checkbox"/> IUST AGENCY OCMIS MTRIE CONFIRMATION: HIGHEST _____ HIGHEST PER BORING _____ AL _____ SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF FIELD IS NOT NEEDED <input type="checkbox"/> Please or results to ralph@cambria-env.com			

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	MATRIX	NO. OF CONT.	TH - Gas Purgeable	BTEX	TRI	MBE (S60B-D590B RT)	TOXIC ETBE, EOB, 1,2 DCA	Ethanol (S60B)	Methanol	EDTA 300C Extraction for Volatiles	VOCs Halogenated Aliphatic (S60B)	TRH (418.1)	Vapor VOCs / TEX / MBB (T0-15)	Vapor VOCs / Full List (T0-5)	Vapor / PHM (T0-5)	Vapor Filled Glass (ASTMD1946)	Test for Disposal (B-1)	TPH Diesel Extractable (S60B)	MBE (S60B) Dissolution See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes				
	TIME			X	X	X																			TEMPERATURE ON RECEIPT OF On ICE Field point ID
SP-1A	10:00 AM	Soil	1																						2.0 On ICE Field point ID
SP-1B																									3 SP-1
SP-1C																									
SP-1D																									

RUSH!

Received by Signature	Received by Signature	Date	Time
<i>John A. Clark</i>	<i>John A. Clark</i>	4/22/04	5:00 PM
Released by Signature	Released by Signature	Date	Time
<i>John A. Clark</i>	<i>John A. Clark</i>	4/22/04	5:00 PM