

Submission#: 2002-07-0397

July 24, 2002

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TRENT

LABORATORY

**Lowney & Associates Oakland**  
167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola  
Project#: 1424-9B  
Project: Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 07/19/2002 17:25

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

Please note that any unused portion of the samples will be discarded after 09/02/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-07-0397

Oil & Grease (Total) by EPA 1664

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

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Project: 1424-9B

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CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SV-6	07/19/2002	Soil	6
SV-7	07/19/2002	Soil	7
SV-8	07/19/2002	Soil	8
SV-9	07/19/2002	Soil	9
SV-10	07/19/2002	Soil	10

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-6	Lab ID:	2002-07-0397-6
Sampled:	07/19/2002	Extracted:	7/22/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/22-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	07/22/2002	

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-7	Lab ID:	2002-07-0397-7
Sampled:	07/19/2002	Extracted:	7/22/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/22-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	330	50	mg/Kg	1.00	07/22/2002	

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Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-8	Lab ID:	2002-07-0397 - 8
Sampled:	07/19/2002	Extracted:	7/22/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/22-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	370	50	mg/Kg	1.00	07/22/2002	

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-9	Lab ID:	2002-07-0397 -9
Sampled:	07/19/2002	Extracted:	7/22/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/22-01 23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	07/22/2002	

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Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-10	Lab ID:	2002-07-0397 - 10
Sampled:	07/19/2002	Extracted:	7/22/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/22-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	350	50	mg/Kg	1.00	07/22/2002	

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Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 1664

Method Blank

MB: 2002/07/22-01-23-001

Soil

Test(s): 1664

QC Batch # 2002/07/22-01.23

Date Extracted: 07/22/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	07/22/2002	



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Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/07/22-01.23

LCS 2002/07/22-01.23-002

Extracted: 07/22/2002

Analyzed: 07/22/2002

LCSD 2002/07/22-01.23-003

Extracted: 07/22/2002

Analyzed: 07/22/2002

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	746	746	800	93.3	93.3	0.0	79-114	20		

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Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SV-2	07/19/2002	Soil	2
SV-3	07/19/2002	Soil	3

Submission #: 2002-07-0397

Oil & Grease (Total) by EPA 1664

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-2	Lab ID:	2002-07-0397 - 2
Sampled:	07/19/2002	Extracted:	7/23/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/23-01.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	1.00	07/23/2002	

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CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-3	Lab ID:	2002-07-0397 - 3
Sampled:	07/19/2002	Extracted:	7/23/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/23-01 23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	640	50	mg/Kg	1.00	07/23/2002	

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 1664  
Method Blank  
MB: 2002/07/23-01.23-001  
Soil  
Test(s): 1664  
QC Batch # 2002/07/23-01.23  
Date Extracted: 07/23/2002

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	07/23/2002	

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/07/23-01.23

LCS 2002/07/23-01.23-002

Extracted: 07/23/2002

Analyzed: 07/23/2002

LCSD 2002/07/23-01.23-003

Extracted: 07/23/2002

Analyzed: 07/23/2002

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	768	740	800	96.0	92.5	3.7	79-114	20		

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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Project: 1424-9B

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CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-1	07/19/2002	Soil	1
SV-2	07/19/2002	Soil	2
SV-3	07/19/2002	Soil	3
SV-4	07/19/2002	Soil	4
SV-5	07/19/2002	Soil	5
SV-16	07/19/2002	Soil	16

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

Prep(s): 5035  
5035  
Sample ID: SV-1  
Sampled: 07/19/2002  
Matrix: Soil  
Analysis Flag: o ( See Legend and Note Section )

Test(s): 8015M  
8021B  
Lab ID: 2002-07-0397 - 1  
Extracted: 7/22/2002 14:40  
QC Batch#: 2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 14:40	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 14:40	
Toluene	ND	0.0050	mg/Kg	1.00	07/22/2002 14:40	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 14:40	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 14:40	
<b>Surrogates(s)</b>						
Trifluorotoluene	84.6	53-125	%	1.00	07/22/2002 14:40	
4-Bromofluorobenzene-FID	61.9	58-124	%	1.01	07/22/2002 14:40	



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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-2	Lab ID:	2002-07-0397 - 2
Sampled:	07/19/2002	Extracted:	7/22/2002 15:12
Matrix:	Soil	QC Batch#:	2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 15:12	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:12	
Toluene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:12	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 15:12	
<b>Surrogates(s)</b>						
Trifluorotoluene	89.6	53-125	%	1.00	07/22/2002 15:12	
4-Bromofluorobenzene-FID	70.3	58-124	%	1.00	07/22/2002 15:12	

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-3	Lab ID:	2002-07-0397 - 3
Sampled:	07/19/2002	Extracted:	7/22/2002 15:44
Matrix:	Soil	QC Batch#:	2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 15:44	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:44	
Toluene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 15:44	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 15:44	
<b>Surrogates(s)</b>						
Trifluorotoluene	78.2	53-125	%	1.00	07/22/2002 15:44	
Trifluorotoluene-FID	76.2	53-125	%	1.00	07/22/2002 15:44	

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-4	Lab ID:	2002-07-0397 - 4
Sampled:	07/19/2002	Extracted:	7/22/2002 16:18
Matrix:	Soil	QC Batch#:	2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 16:18	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:18	
Toluene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:18	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 16:18	
<b>Surrogates(s)</b>						
Trifluorotoluene	67.3	53-125	%	1.00	07/22/2002 16:18	
Trifluorotoluene-FID	66.7	53-125	%	1.00	07/22/2002 16:18	

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-5	Lab ID:	2002-07-0397-5
Sampled:	07/19/2002	Extracted:	7/22/2002 16:50
Matrix:	Soil	QC Batch#:	2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 16:50	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:50	
Toluene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:50	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 16:50	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 16:50	
<b>Surrogates(s)</b>						
Trifluorotoluene	85.9	53-125	%	1.00	07/22/2002 16:50	
4-Bromofluorobenzene-FID	66.2	58-124	%	1.00	07/22/2002 16:50	

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CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-16	Lab ID:	2002-07-0397 - 16
Sampled:	07/19/2002	Extracted:	7/22/2002 17:22
Matrix:	Soil	QC Batch#:	2002/07/22-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	07/22/2002 17:22	
Benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 17:22	
Toluene	0.0050	0.0050	mg/Kg	1.00	07/22/2002 17:22	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/22/2002 17:22	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/22/2002 17:22	
<b>Surrogates(s)</b>						
Trifluorotoluene	62.1	53-125	%	1.00	07/22/2002 17:22	
Trifluorotoluene-FID	58.9	53-125	%	1.00	07/22/2002 17:22	

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

Lowney & Associates Oakland

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167 Filbert Street  
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Project: 1424-9B  
Powell Street

Received: 07/19/2002 17:25

**SEVERN**  
**TRENT**  
**LABORATORY**

STL San Francisco  
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Fax: (925) 484-1096  
www.stl-inc.com  
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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 5035

Method Blank

MB: 2002/07/22-01 01-003

Soil

Test(s): 8015M

QC Batch # 2002/07/22-01.01

Date Extracted: 07/22/2002 08:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	07/22/2002 08:08	
Benzene	ND	0.0050	mg/Kg	07/22/2002 08:08	
Toluene	ND	0.0050	mg/Kg	07/22/2002 08:08	
Ethyl benzene	ND	0.0050	mg/Kg	07/22/2002 08:08	
Xylene(s)	ND	0.0050	mg/Kg	07/22/2002 08:08	
<b>Surrogates(s)</b>					
Trifluorotoluene	95.7	53-125	%	07/22/2002 08:08	
4-Bromofluorobenzene-FID	78.1	58-124	%	07/22/2002 08:08	

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/07/22-01.01

LCS 2002/07/22-01.01-004

Extracted: 07/22/2002

Analyzed: 07/22/2002 08:39

LCSD 2002/07/22-01.01-005

Extracted: 07/22/2002

Analyzed: 07/22/2002 09:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0986	0.100	0.1000	98.6	100.0	1.4	77-123	35		
Toluene	0.100	0.0999	0.1000	100.0	99.9	0.1	78-122	35		
Ethyl benzene	0.100	0.0989	0.1000	100.0	98.9	1.1	70-130	35		
Xylene(s)	0.300	0.296	0.300	100.0	98.7	1.3	75-125	35		
<b>Surrogates(s)</b>										
Trifluorotoluene	521	502	500	104.2	100.4		53-125			

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/07/22-01.01

LCS 2002/07/22-01.01-006

Extracted: 07/22/2002

Analyzed: 07/22/2002 09:42

LCSD 2002/07/22-01.01-007

Extracted: 07/22/2002

Analyzed: 07/22/2002 10:13

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.537	0.521	0.500	107.4	104.2	3.0	75-125	35		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	343	337	500	68.6	67.4		58-124			



Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

Batch QC Report			
Prep(s):	5035	Test(s):	8021B
<b>Matrix Spike (MS / MSD)</b>		<b>Soil</b>	<b>QC Batch # 2002/07/22-01.01</b>
SV-1 >> MS		Lab ID:	2002-07-0397 - 001
MS: 2002/07/22-01.01-020		Extracted:	07/22/2002
		Analyzed:	07/22/2002 18:26
		Dilution:	1.00
MSD: 2002/07/22-01.01-021		Extracted:	07/22/2002
		Analyzed:	07/22/2002 18:57
		Dilution:	1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0690	0.0804	ND	0.0994	69.4	81.2	15.7	65-135	35		
Toluene	0.0664	0.0725	ND	0.0994	66.8	73.2	9.1	65-135	35		
Ethyl benzene	0.0559	0.0610	ND	0.0994	56.2	61.6	9.2	65-135	35	mso	mso
Xylene(s)	0.166	0.178	NA	0.2982	55.7	59.9	7.3	65-135	35	mso	mso
<b>Surrogate(s)</b> Trifluorotoluene	314	327		500	62.8	65.4		53-125			

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 5035

Test(s): 8015M

**Matrix Spike ( MS / MSD )**

**Soil**

**QC Batch # 2002/07/22-01.01**

SV-1 >> MS

Lab ID: 2002-07-0397 - 001

MS: 2002/07/22-01.01-022

Extracted: 07/22/2002

Analyzed: 07/22/2002 19:29

Dilution: 1.00

MSD: 2002/07/22-01.01-023

Extracted: 07/22/2002

Analyzed: 07/22/2002 20:01

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.292	0.346	ND	0.496	58.9	71.6	19.5	65-135	35	mso	mso
<b>Surrogate(s)</b> 4-Bromofluorobenzene-FID	159	184		500	31.8	36.8		58-124		sl	sl

Submission #: 2002-07-0397

Gas/BTEX by 8015M/8021

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CA DHS ELAP# 2496

### Legend and Notes

#### Analysis Flag

o

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

#### Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

sl

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

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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Project: 1424-9B

Powell Street

Received: 07/19/2002 17:25

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CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TR-1	07/19/2002	Soil	17

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-1	Lab ID:	2002-07-0397 - 17
Sampled:	07/19/2002	Extracted:	7/25/2002 06:04
Matrix:	Soil	QC Batch#:	2002/07/25-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	310	10	mg/Kg	10.00	07/25/2002 12:06	ndp
Motor Oil	ND	500	mg/Kg	10.00	07/25/2002 12:06	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	07/25/2002 12:06	sd

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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CA DHS ELAP# 2496

Batch QC Report					
Prep(s): 3550/8015M				Test(s): 8015M	
Method Blank		Soil		QC Batch # 2002/07/25-04-10	
MB: 2002/07/25-04-10-001				Date Extracted: 07/25/2002 06:04	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/25/2002 13:46	
Motor Oil	ND	50	mg/Kg	07/25/2002 13:46	
<b>Surrogates(s)</b> o-Terphenyl	78.7	60-130	%	07/25/2002 13:46	

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
Powell Street

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CA DHS ELAP# 2496

Batch QC Report			
Prep(s): 3550/8015M	Test(s): 8015M		
Laboratory Control Spike	Soil	QC Batch # 2002/07/25-04-10	
LCS 2002/07/25-04-10-002	Extracted: 07/25/2002	Analyzed: 07/26/2002 12:36	
LCSD 2002/07/25-04-10-003	Extracted: 07/25/2002	Analyzed: 07/25/2002 12:01	

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.8	33.0	41.7	83.5	79.1	5.4	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.9	17.3	20.0	89.7	86.7		60-130	0		

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B

Powell Street

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SEVERN

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LABORATORY

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CA DHS ELAP# 2496

### 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.



Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

Lowney & Associates Oakland

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Project: 1424-9B

Powell Street

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TR-1	07/19/2002	Soil	17
SP(5-8)	07/19/2002	Soil	22

Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

Lowney & Associates Oakland

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CA DHS ELAP# 2496

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	TR-1	Lab ID:	2002-07-0397 - 17
Sampled:	07/19/2002	Extracted:	7/23/2002 12:00
Matrix:	Soil	QC Batch#:	2002/07/23-05.03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	78	10	mg/Kg	1.00	07/23/2002 19:23	g
Benzene	ND	0.62	mg/Kg	1.00	07/23/2002 19:23	
Toluene	ND	0.62	mg/Kg	1.00	07/23/2002 19:23	
Ethyl benzene	ND	0.62	mg/Kg	1.00	07/23/2002 19:23	
Xylene(s)	ND	0.62	mg/Kg	1.00	07/23/2002 19:23	
<b>Surrogates(s)</b>						
Trifluorotoluene	136.6	53-125	%	1.00	07/23/2002 19:23	sh
4-Bromofluorobenzene-FID	112.6	58-124	%	1.00	07/23/2002 19:23	

Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5030

Method Blank

MB: 2002/07/23-05.03-001

Soil

Test(s): 8015M

QC Batch # 2002/07/23-05.03

Date Extracted: 07/23/2002 12:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	10	mg/Kg	07/23/2002 16:47	
Benzene	ND	0.62	mg/Kg	07/23/2002 16:47	
Toluene	ND	0.62	mg/Kg	07/23/2002 16:47	
Ethyl benzene	ND	0.62	mg/Kg	07/23/2002 16:47	
Xylene(s)	ND	0.62	mg/Kg	07/23/2002 16:47	
<b>Surrogates(s)</b>					
Trifluorotoluene	112.8	53-125	%	07/23/2002 16:47	
4-Bromofluorobenzene-FID	118.0	58-124	%	07/23/2002 16:47	

Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/07/23-05.03

LCS 2002/07/23-05.03-002

Extracted: 07/23/2002

Analyzed: 07/23/2002 17:18

LCSD 2002/07/23-05.03-003

Extracted: 07/23/2002

Analyzed: 07/23/2002 17:49

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.141	0.142	0.125	112.8	113.6	0.7	77-123	35		
Toluene	0.146	0.146	0.125	116.8	116.8	0.0	78-122	35		
Ethyl benzene	0.147	0.148	0.125	117.6	118.4	0.7	70-130	35		
Xylene(s)	0.439	0.423	0.375	117.1	112.8	3.7	75-125	35		
<b>Surrogates(s)</b>										
Trifluorotoluene	614	611	500	122.8	122.2		53-125	0		

Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/07/23-05.03

LCS 2002/07/23-05.03-004

Extracted: 07/23/2002

Analyzed: 07/23/2002 18:45

LCSD 2002/07/23-05.03-005

Extracted: 07/23/2002

Analyzed: 07/23/2002 18:52

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.643	0.638	0.625	102.9	102.1	0.8	75-125	35		
<b>Surrogates(s)</b>										
4-Bromofluorobenzene-FID	362	363	500	72.4	72.6		58-124	0		

Submission #: 2002-07-0397

Gas/BTEX Compounds (High Level)

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CA DHS ELAP# 2496

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

sh

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

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-1	07/19/2002	Soil	1
SV-2	07/19/2002	Soil	2
SV-3	07/19/2002	Soil	3
SV-4	07/19/2002	Soil	4
SV-5	07/19/2002	Soil	5
SV-6	07/19/2002	Soil	6
SV-7	07/19/2002	Soil	7
SV-8	07/19/2002	Soil	8
SV-9	07/19/2002	Soil	9
SV-10	07/19/2002	Soil	10
SV-11	07/19/2002	Soil	11
SV-12	07/19/2002	Soil	12
SV-13	07/19/2002	Soil	13
SV-14	07/19/2002	Soil	14
SV-15	07/19/2002	Soil	15
SV-16	07/19/2002	Soil	16
TR-2	07/19/2002	Soil	18
TR-4	07/19/2002	Soil	20
SP(1-4)	07/19/2002	Soil	21
SP(5-8)	07/19/2002	Soil	22

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Lowney & Associates Oakland

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-1	Lab ID:	2002-07-0397 - 1
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	42	1.0	mg/Kg	1.00	07/23/2002 16:10	ndp
Motor Oil	260	50	mg/Kg	1.00	07/23/2002 16:10	
<b>Surrogates(s)</b>						
o-Terphenyl	119.2	60-130	%	1.00	07/23/2002 16:10	



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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-2	Lab ID:	2002-07-0397 - 2
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/23/2002 06:48	
Motor Oil	ND	50	mg/Kg	1.00	07/23/2002 06:48	
<b>Surrogates(s)</b> o-Terphenyl	87.1	60-130	%	1.00	07/23/2002 06:48	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-3 Lab ID: 2002-07-0397 - 3  
Sampled: 07/19/2002 Extracted: 7/22/2002 04:46  
Matrix: Soil QC Batch#: 2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	72	1.0	mg/Kg	1.00	07/23/2002 17:30	ndp
Motor Oil	230	50	mg/Kg	1.00	07/23/2002 17:30	
<b>Surrogates(s)</b>						
o-Terphenyl	91.4	60-130	%	1.00	07/23/2002 17:30	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-4	Lab ID:	2002-07-0397 - 4
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.3	1.0	mg/Kg	1.00	07/23/2002 08:02	ndp
Motor Oil	ND	50	mg/Kg	1.00	07/23/2002 08:02	
<b>Surrogates(s)</b>						
o-Terphenyl	90.5	60-130	%	1.00	07/23/2002 08:02	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-5	Lab ID:	2002-07-0397 - 5
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	100	2.0	mg/Kg	2.00	07/23/2002 19:13	ndp
Motor Oil	740	100	mg/Kg	2.00	07/23/2002 19:13	
<i>Surrogates(s)</i>						
o-Terphenyl	99.7	60-130	%	2.00	07/23/2002 19:13	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-6	Lab ID:	2002-07-0397-6
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.1	1.0	mg/Kg	1.00	07/23/2002 07:25	ndp
Motor Oil	ND	50	mg/Kg	1.00	07/23/2002 07:25	
<b>Surrogates(s)</b>						
o-Terphenyl	77.1	60-130	%	1.00	07/23/2002 07:25	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-7	Lab ID:	2002-07-0397 - 7
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	61	1.0	mg/Kg	1.00	07/23/2002 16:50	ndp
Motor Oil	270	50	mg/Kg	1.00	07/23/2002 16:50	
<b>Surrogates(s)</b>						
o-Terphenyl	94.9	60-130	%	1.00	07/23/2002 16:50	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-8	Lab ID:	2002-07-0397 - 8
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	9.7	1.0	mg/Kg	1.00	07/23/2002 17:21	ndp
Motor Oil	67	50	mg/Kg	1.00	07/23/2002 17:21	
<b>Surrogates(s)</b>						
o-Terphenyl	96.1	60-130	%	1.00	07/23/2002 17:21	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-9	Lab ID:	2002-07-0397 - 9
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/23/2002 06:48	
Motor Oil	ND	50	mg/Kg	1.00	07/23/2002 06:48	
<b>Surrogates(s)</b>						
o-Terphenyl	79.7	60-130	%	1.00	07/23/2002 06:48	



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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-10	Lab ID:	2002-07-0397 - 10
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	25	1.0	mg/Kg	1.00	07/23/2002 17:30	ndp
Motor Oil	220	50	mg/Kg	1.00	07/23/2002 17:30	
<b>Surrogates(s)</b>						
o-Terphenyl	101.5	60-130	%	1.00	07/23/2002 17:30	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-11	Lab ID:	2002-07-0397 - 11
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	81	1.0	mg/Kg	1.00	07/23/2002 16:44	ndp
Motor Oil	360	50	mg/Kg	1.00	07/23/2002 16:44	
<b>Surrogates(s)</b>						
o-Terphenyl	96.1	60-130	%	1.00	07/23/2002 16:44	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-12	Lab ID:	2002-07-0397 - 12
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	42	1.0	mg/Kg	1.00	07/23/2002 16:44	ndp
Motor Oil	380	50	mg/Kg	1.00	07/23/2002 16:44	
<b>Surrogates(s)</b> o-Terphenyl	112.0	60-130	%	1.00	07/23/2002 16:44	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-13	Lab ID:	2002-07-0397 - 13
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	41	1.0	mg/Kg	1.00	07/23/2002 16:50	ndp
Motor Oil	250	50	mg/Kg	1.00	07/23/2002 16:50	
<i>Surrogates(s)</i>						
o-Terphenyl	99.9	60-130	%	1.00	07/23/2002 16:50	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-14	Lab ID:	2002-07-0397 - 14
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	07/23/2002 08:02	
Motor Oil	ND	50	mg/Kg	1.00	07/23/2002 08:02	
<b>Surrogates(s)</b>						
o-Terphenyl	80.0	60-130	%	1.00	07/23/2002 08:02	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-15	Lab ID:	2002-07-0397 - 15
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	07/23/2002 08:39	ndp
Motor Oil	140	50	mg/Kg	1.00	07/23/2002 08:39	
<b>Surrogates(s)</b>						
o-Terphenyl	100.8	60-130	%	1.00	07/23/2002 08:39	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-16	Lab ID:	2002-07-0397 -16
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	17	1.0	mg/Kg	1.00	07/23/2002 17:21	ndp
Motor Oil	93	50	mg/Kg	1.00	07/23/2002 17:21	
<b>Surrogates(s)</b>						
o-Terphenyl	105.6	60-130	%	1.00	07/23/2002 17:21	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-2	Lab ID:	2002-07-0397 - 18
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1900	20	mg/Kg	20.00	07/24/2002 10:10	ndp
Motor Oil	ND	1000	mg/Kg	20.00	07/24/2002 10:10	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	20.00	07/24/2002 10:10	sd



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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-4	Lab ID:	2002-07-0397 - 20
Sampled:	07/19/2002	Extracted:	7/22/2002 04:46
Matrix:	Soil	QC Batch#:	2002/07/22-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	700	10	mg/Kg	10.00	07/24/2002 08:55	ndp
Motor Oil	ND	500	mg/Kg	10.00	07/24/2002 08:55	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	07/24/2002 08:55	sd

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/07/22-01.10-003

Soil

Test(s): 8015M

QC Batch # 2002/07/22-01.10

Date Extracted: 07/22/2002 04:46

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/23/2002 05:34	
Motor Oil	ND	50	mg/Kg	07/23/2002 05:34	
<b>Surrogates(s)</b> o-Terphenyl	105.0	60-130	%	07/23/2002 05:34	

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

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/07/22-02.10-008

Soil

Test(s): 8015M

QC Batch # 2002/07/22-02.10

Date Extracted: 07/22/2002 05:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/23/2002 04:19	
Motor Oil	ND	50	mg/Kg	07/23/2002 04:19	
<b>Surrogates(s)</b> o-Terphenyl	101.7	60-130	%	07/23/2002 04:19	

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
Powell Street

Received: 07/19/2002 17:25

**SEVERN**  
**TRENT**  
**LABORATORY**

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/07/22-01.10**

LCS 2002/07/22-01.10-001

Extracted: 07/22/2002

Analyzed: 07/22/2002 12:01

LCSD 2002/07/22-01.10-002

Extracted: 07/22/2002

Analyzed: 07/22/2002 12:40

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	35.6	37.9	41.7	85.4	90.9	6.2	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	23.4	25.1	20.0	117.1	125.6		60-130	0		

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/07/22-02.10

LCS 2002/07/22-02.10-001

Extracted: 07/22/2002

Analyzed: 07/22/2002 15:06

LCSD 2002/07/22-02.10-002

Extracted: 07/22/2002

Analyzed: 07/22/2002 15:44

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	42.1	38.4	41.7	101.0	92.1	9.2	60-130	25		
Surrogates(s) o-Terphenyl	24.5	22.8	20.0	122.6	114.1		60-130	0		

Submission #: 2002-07-0397

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

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Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

Powell Street

Received: 07/19/2002 17:25

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CA DHS ELAP# 2496

---

### 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.

67620

# RUSH



STL San Francisco

## Sample Receipt Checklist

Submission #: 2002- 07 - 0397

Checklist completed by: (initials) DSH Date: 07/21/02

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  ①

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: 3.3 °C 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

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

Comments: ① Two sleeves, 1 sm. + 1 lg., labeled SP-1 + SP-3; no samples rec'd labeled SP-5 or SP-6. All "SP" sleeves put on hood.

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

Project Manager: (Initials) \_\_\_\_\_ Date: \_\_\_\_\_/\_\_\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.2785

Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1970

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-07-0397

Project Name: Powell Street  
 Job No.: 1424-93  
 Report To: Mark Arniola  
 Sampler (print): Charles Mattlo  
 Sampler (signature): CE Mattlo  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID #: \_\_\_\_\_

### Turnaround Requirements

- 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH

3 days

QC Requirement:  
 Level A (standard)

### ANALYSES REQUESTED

67620

TPH as Gas/BTEX Method:  8015/8021  8260  
 TPH as diesel (8015M)  Add silica gel column  Add Oil Range  
 TRPH (418.1) with silica gel column  
 Halogenated VOCs (former 8010 list) Method:  8021  8260  Add BTEX  
 Organochlorine Pesticides (8081)  
 Metals:  As, Pb, Hg  17 CAM  
 Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260  
 PAHs (8310)  
 PCBs (8082)

04G (607D)

**RUSH**

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as Gas/BTEX Method: <input checked="" type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)
SV-1	7-19-02			SOIL	1	✓	✓							
SV-2						✓	✓							
SV-3						✓	✓							
SV-4						✓	✓							
SV-5						✓	✓							
SV-6						✓	✓							
SV-7						✓	✓							
SV-8						✓	✓							
SV-9						✓	✓							
SV-10						✓	✓							
SV-11						✓	✓							
SV-12						✓	✓							

Relinquished By: [Signature] Date: 7/19/02 Time: 16:15 Received By: [Signature] Date: 7/19/02 Time: 16:55 PM Initial: \_\_\_\_\_  
 Relinquished By: [Signature] Date: 7/19/02 Time: 17:25 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Lab of Record: STL-SF Temp: 3.3°C  
 Received by Lab: DeVise Date: 7/19/02 Time: 17:25

*Harrington*

10/3





2002-07-0397

**CHAIN OF CUSTODY RECORD**

Project Name: <u>Powell St.</u>				<b>Turnaround Requirements</b> <input type="checkbox"/> 5 Working Days <input type="checkbox"/> 48 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> 2-3 Hours RUSH <b># 3 delays</b> <b>QC Requirement:</b> <input checked="" type="checkbox"/> Level A (standard)		<b>ANALYSES REQUESTED</b> <u>67620</u>								
Job No.: <u>1424 23</u>						TPH as <del>gas</del> <b>BTEX/MIB</b> Method: <input checked="" type="checkbox"/> 8021 <input type="checkbox"/> 8260 TPH as diesel (8015M) <input checked="" type="checkbox"/> silica gel column <input type="checkbox"/> add Oil Range TRPH (418.1) with silica gel column Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> add BTEX Organochlorine Pesticides (8081) Metals: <input type="checkbox"/> As, Pb, Hg <input checked="" type="checkbox"/> 17 CAM Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260 PAHs (8310) PCBs (8082)	RUSH							
Report To: <u>Mark Arniola</u>														
Sampler (print): <u>Charles Mettler</u>														
Sampler (signature): <u>CL Mettler</u>														
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input type="checkbox"/> NO				Global ID # : _____										
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF														
Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.									
<u>SP-5</u>	<u>7-19-02</u>	<u>1</u>	<u>50:6</u>	<u>C</u>	<u>1</u>									
<u>SP-6</u>	↓	↓	↓	↓	↓									
<u>SP-7</u> <u>compost</u>	↓	↓	↓	↓	↓									
<u>SP-8</u>	↓	↓	↓	↓	↓									
Relinquished By: <u>[Signature]</u>				Date: <u>7/19/02</u> Time: <u>16:15</u>		Received By: <u>[Signature]</u>				Date: <u>7/19/02</u> Time: <u>16:15</u> PM Initial:				
Relinquished By: <u>[Signature]</u>				Date: <u>7/19/02</u> Time: <u>17:25</u>		Received By: _____				Date: _____ Time: _____				
Relinquished By: _____				Date: _____ Time: _____		Lab of Record: <u>STL-SF</u>				Temp: _____				
						Received by Lab: <u>DeWise</u>				Date: <u>7/19/02</u> Time: <u>17:25</u>				

*Harrington*

Submission#: 2002-07-0548

July 31, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**  
167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola  
Project#: 1424-9B  
Project: Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 07/26/2002 18:03

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 09/09/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-07-0548

Oil & Grease (Total) by EPA 1664

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

Powell Street

Received: 07/26/2002 18:03

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SV-18	07/26/2002	Soil	12

Submission #: 2002-07-0548

Oil & Grease (Total) by EPA 1664

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

SEVERN

TRENT

LABORATORY

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1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	1664	Test(s):	1664
Sample ID:	SV-18	Lab ID:	2002-07-0548 - 12
Sampled:	07/26/2002	Extracted:	7/29/2002 00:00
Matrix:	Soil	QC Batch#:	2002/07/29-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	120	50	mg/Kg	1.00	07/29/2002	

Submission #: 2002-07-0548

Oil & Grease (Total) by EPA 1664

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

**SEVERN**  
**TRENT**  
**LABORATORY**

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report					
Prep(s): 1664				Test(s): 1664	
Method Blank		Soil		QC Batch # 2002/07/29-02.23	
MB: 2002/07/29-02.23-001				Date Extracted: 07/29/2002	

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	50	mg/Kg	07/29/2002	

Submission #: 2002-07-0548

Oil & Grease (Total) by EPA 1664

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 1664

Test(s): 1664

Laboratory Control Spike

Soil

QC Batch # 2002/07/29-02.23

LCS 2002/07/29-02.23-002

Extracted: 07/29/2002

Analyzed: 07/29/2002

LCSD 2002/07/29-02.23-003

Extracted: 07/29/2002

Analyzed: 07/29/2002

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Oil & Grease (total)	769	741	799	96.2	92.7	3.7	79-114	20		

Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

Powell Street

Received: 07/26/2002 18:03

SEVERN

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Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-18	07/26/2002	Soil	12



Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

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Project: 1424-9B  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	5035	Test(s):	8015M
	5035		8021B
Sample ID:	SV-18	Lab ID:	2002-07-0548 - 12
Sampled:	07/26/2002	Extracted:	7/31/2002 11:01
Matrix:	Soil	QC Batch#:	2002/07/31-01_01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1.8	1.0	mg/Kg	1.00	07/31/2002 11:01	g
Benzene	ND	0.0050	mg/Kg	1.00	07/31/2002 11:01	
Toluene	ND	0.0050	mg/Kg	1.00	07/31/2002 11:01	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	07/31/2002 11:01	
Xylene(s)	ND	0.0050	mg/Kg	1.00	07/31/2002 11:01	
<b>Surrogates(s)</b>						
Trifluorotoluene	72.5	53-125	%	1.00	07/31/2002 11:01	
Trifluorotoluene-FID	72.6	53-125	%	1.00	07/31/2002 11:01	

Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

Lowney & Associates Oakland

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Oakland, Ca 94607  
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Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2002/07/31-01.01-003

Soil

Test(s): 8015M

QC Batch # 2002/07/31-01.01

Date Extracted: 07/31/2002 08:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	07/31/2002 08:19	
Benzene	ND	0.0050	mg/Kg	07/31/2002 08:19	
Toluene	ND	0.0050	mg/Kg	07/31/2002 08:19	
Ethyl benzene	ND	0.0050	mg/Kg	07/31/2002 08:19	
Xylene(s)	ND	0.0050	mg/Kg	07/31/2002 08:19	
<b>Surrogates(s)</b>					
Trifluorotoluene	93.7	53-125	%	07/31/2002 08:19	
4-Bromofluorobenzene-FID	76.0	58-124	%	07/31/2002 08:19	

Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8021B

Laboratory Control Spike

Soil

QC Batch # 2002/07/31-01.01

LCS 2002/07/31-01.01-004

Extracted: 07/31/2002

Analyzed: 07/31/2002 08:50

LCSD 2002/07/31-01.01-005

Extracted: 07/31/2002

Analyzed: 07/31/2002 09:22

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0947	0.0931	0.1000	94.7	93.1	1.7	77-123	35		
Toluene	0.0959	0.0938	0.1000	95.9	93.8	2.2	78-122	35		
Ethyl benzene	0.0965	0.0951	0.1000	96.5	95.1	1.5	70-130	35		
Xylene(s)	0.290	0.295	0.300	96.7	98.3	1.6	75-125	35		
<b>Surrogates(s)</b>										
Trifluorotoluene	504	498	500	100.8	99.6		53-125			

Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

Lowney & Associates Oakland

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 5035

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/07/31-01.01

LCS 2002/07/31-01.01-006

Extracted: 07/31/2002

Analyzed: 07/31/2002 09:53

LCSD 2002/07/31-01.01-007

Extracted: 07/31/2002

Analyzed: 07/31/2002 10:24

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Gasoline	0.514	0.509	0.500	102.8	101.8	1.0	75-125	35		
<i>Surrogates(s)</i> 4-Bromofluorobenzene-FID	342	338	500	68.4	67.6		58-124			

Submission #: 2002-07-0548

Gas/BTEX by 8015M/8021

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

Powell Street

Received: 07/26/2002 18:03

SEVERN

TRENT

LABORATORY

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1220 Quarry Lane  
Pleasanton, CA 94566

Tel: (925) 484-1919

Fax: (925) 484-1096

www.stl-inc.com

www.chromalab.com

CA DHS ELAP# 2496

### Legend and Notes

#### Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
TR-6	07/25/2002	Soil	2
TR-8	07/25/2002	Soil	4
TR-13	07/25/2002	Soil	9
SV-18	07/26/2002	Soil	12
TR-15	07/26/2002	Soil	15
TR-16	07/26/2002	Soil	16
TR-17	07/26/2002	Soil	17

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-6	Lab ID:	2002-07-0548 - 2
Sampled:	07/25/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2100	50	mg/Kg	50.00	07/30/2002 23:20	ndp
Motor Oil	14000	2500	mg/Kg	50.00	07/30/2002 23:20	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	50.00	07/30/2002 23:20	sd

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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Oakland, Ca 94607  
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Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-8	Lab ID:	2002-07-0548 - 4
Sampled:	07/25/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2900	50	mg/Kg	50.00	07/30/2002 10:16	ndp
Motor Oil	7800	2500	mg/Kg	50.00	07/30/2002 10:16	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	50.00	07/30/2002 10:16	sd



Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-13	Lab ID:	2002-07-0548 - 9
Sampled:	07/25/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	140	10	mg/Kg	10.00	07/30/2002 09:39	ndp
Motor Oil	750	500	mg/Kg	10.00	07/30/2002 09:39	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	10.00	07/30/2002 09:39	sd

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
Powell Street

Received: 07/26/2002 18:03

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-18	Lab ID:	2002-07-0548 - 12
Sampled:	07/26/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	8.8	1.0	mg/Kg	1.00	07/29/2002 18:47	ndp
Motor Oil	ND	50	mg/Kg	1.00	07/29/2002 18:47	
<b>Surrogates(s)</b>						
o-Terphenyl	84.8	60-130	%	1.00	07/29/2002 18:47	

Submission #: 2002-07-0548

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Project: 1424-9B  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-15	Lab ID:	2002-07-0548 - 15
Sampled:	07/26/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	07/29/2002 17:29	ndp
Motor Oil	ND	50	mg/Kg	1.00	07/29/2002 17:29	
<b>Surrogates(s)</b> o-Terphenyl	89.3	60-130	%	1.00	07/29/2002 17:29	

Submission #: 2002-07-0548

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Project: 1424-9B  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-16	Lab ID:	2002-07-0548 - 16
Sampled:	07/26/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2100	20	mg/Kg	20.00	07/30/2002 09:02	ndp
Motor Oil	ND	1000	mg/Kg	20.00	07/30/2002 09:02	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	20.00	07/30/2002 09:02	sd

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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Received: 07/26/2002 18:03

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	TR-17	Lab ID:	2002-07-0548 - 17
Sampled:	07/26/2002	Extracted:	7/29/2002 06:03
Matrix:	Soil	QC Batch#:	2002/07/29-04-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	820	10	mg/Kg	10.00	07/30/2002 10:16	ndp
Motor Oil	ND	500	mg/Kg	10.00	07/30/2002 10:16	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	10.00	07/30/2002 10:16	sd

Submission #: 2002-07-0548

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/07/29-04-10-001

Soil

Test(s): 8015M

QC Batch # 2002/07/29-04-10

Date Extracted: 07/29/2002 06:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	07/29/2002 11:34	
Motor Oil	ND	50	mg/Kg	07/29/2002 11:34	
<b>Surrogates(s)</b> o-Terphenyl	87.5	60-130	%	07/29/2002 11:34	

Submission #: 2002-07-0548

TEPH w/ Silica Gel Clean-up

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/07/29-04.10

LCS 2002/07/29-04 10-002

Extracted: 07/29/2002

Analyzed: 07/29/2002 10:24

LCSD 2002/07/29-04 10-003

Extracted: 07/29/2002

Analyzed: 07/29/2002 10:59

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	33.2	33.8	41.7	79.6	81.1	1.9	60-130	25		
Surrogates(s) o-Terphenyl	17.3	17.5	20.0	86.7	87.4		60-130	0		

Submission #: 2002-07-0548

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

### 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.





# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.2785

Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1972

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

**2002-07-0548**

## CHAIN OF CUSTODY RECORD

Project Name: Powell Street

Job No.: 1424-913

Report To: Mark Anziola

Sampler (print): Charles Mettler

Sampler (signature): CLM Mettler

Electronic Deliverable Format Required:  YES  NO

EDF LOGCODE:  LAMV  LAO  LAF

Global ID #:

### Turnaround Requirements

- 5 Working Days
- 48 Hours
- 24 Hours
- 2-3 Hours RUSH
- 3 days

QC Requirement:  
 Level A (standard)

### ANALYSES REQUESTED

67771

TPH as gas/BTEX/MTBE (8015/8020)	TPH as diesel (8015M) silica gel column + TPH MO	TRPH (418.1) silica gel column	Halogenated VOCs (8010) (8021 or 8260)	Organochlorine Pesticides (8081)	Metals - As, Hg, Pb, Cd (filter and preserve GW samples in lab)	Fuel Oxygenates (8260B)	PAHs (8310)	PCBs (8082)	Fuel Scan 8020/8015M (Purgeable and Extractable)											
----------------------------------	--	--------------------------------	--	----------------------------------	---	-------------------------	-------------	-------------	--	--	--	--	--	--	--	--	--	--	--	--

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.
SV-18	7/26/02			soil	1
SV-19	↓			↓	↓
SV-20	↓			↓	↓
TR-15	↓			↓	↓
TR-16	↓			↓	↓
TR-17	↓			↓	↓

**RUSH**

Relinquished By: <u>CLM Mettler</u>	Date: <u>7-26-02</u> Time: <u>16:25</u>	Received By: <u>[Signature]</u>	Date: <u>7/26/02</u> Time: <u>16:23</u>	PM Initial:
Relinquished By: <u>[Signature]</u>	Date: <u>7-26-02</u> Time: <u>16:03</u>	Received By:	Date: Time:	
Relinquished By:	Date: Time:	Lab of Record: <u>STL-SF</u>		Temp:
		Received by Lab: <u>Deuse</u>	Date: <u>7/26/02</u> Time: <u>18:03</u>	

*Harrington*



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 07 - 0548

Checklist completed by: (initials) DSH Date: 07/27/02

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° C ± 2)? Temp: 4.6 °C 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

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: \_\_\_\_/\_\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client):  
\_\_\_\_\_  
\_\_\_\_\_

Submission#: 2002-08-0630

September 09, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9B

Project: 1300 Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 08/30/2002 16:30

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 10/14/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

1300 Powell Street

Received: 08/30/2002 16:30

SEVERN

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Tel: (925) 484-1919

Fax: (925) 484-1096

www.stl-inc.com

www.chromalab.com

CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-19	08/29/2002	Soil	1
SV-20	08/29/2002	Soil	2
SV-21	08/29/2002	Soil	3
SV-22	08/29/2002	Soil	4
SV-23	08/29/2002	Soil	5
SV-24	08/29/2002	Soil	6
SV-25	08/29/2002	Soil	7
SV-26	08/29/2002	Soil	8

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-19 Lab ID: 2002-08-0630 - 1  
Sampled: 08/29/2002 Extracted: 9/3/2002 09:43  
Matrix: Soil QC Batch#: 2002/09/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	580	20	mg/Kg	20.00	09/06/2002 07:08	ndp
Motor Oil	4400	1000	mg/Kg	20.00	09/06/2002 07:08	
<i>Surrogates(s)</i> o-Terphenyl	NA	60-130	%	20.00	09/06/2002 07:08	sd

Submission #: 2002-08-0630

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-20	Lab ID:	2002-08-0630 - 2
Sampled:	08/29/2002	Extracted:	9/3/2002 09:43
Matrix:	Soil	QC Batch#:	2002/09/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	570	50	mg/Kg	50.00	09/06/2002 06:27	ndp
Motor Oil	4400	2500	mg/Kg	50.00	09/06/2002 06:27	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	50.00	09/06/2002 06:27	sd

Submission #: 2002-08-0630

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-21	Lab ID:	2002-08-0630 - 3
Sampled:	08/29/2002	Extracted:	9/3/2002 09:43
Matrix:	Soil	QC Batch#:	2002/09/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	290	20	mg/Kg	20.00	09/06/2002 20:47	ndp
Motor Oil	2400	1000	mg/Kg	20.00	09/06/2002 20:47	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	20.00	09/06/2002 20:47	sd



Submission #: 2002-08-0630

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-22      Lab ID: 2002-08-0630 - 4  
Sampled: 08/29/2002      Extracted: 9/3/2002 09:43  
Matrix: Soil      QC Batch#: 2002/09/03-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7.8	1.0	mg/Kg	1.00	09/06/2002 06:32	ndp
Motor Oil	ND	50	mg/Kg	1.00	09/06/2002 06:32	
<b>Surrogates(s)</b> o-Terphenyl	72.4	60-130	%	1.00	09/06/2002 06:32	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B

1300 Powell Street

Received: 08/30/2002 16:30

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

Tel: (925) 484-1919

Fax: (925) 484-1096

www.stl-inc.com

www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-23	Lab ID:	2002-08-0630 - 5
Sampled:	08/29/2002	Extracted:	9/3/2002 09:43
Matrix:	Soil	QC Batch#:	2002/09/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 21:06	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 21:06	
<b>Surrogates(s)</b>						
o-Terphenyl	71.6	60-130	%	1.00	09/05/2002 21:06	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9B  
1300 Powell Street

Received: 08/30/2002 16:30

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-24	Lab ID:	2002-08-0630 - 6
Sampled:	08/29/2002	Extracted:	9/3/2002 09:43
Matrix:	Soil	QC Batch#:	2002/09/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 08:25	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 08:25	
<b>Surrogates(s)</b> o-Terphenyl	67.6	60-130	%	1.00	09/05/2002 08:25	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-25 Lab ID: 2002-08-0630 - 7  
Sampled: 08/29/2002 Extracted: 9/3/2002 09:43  
Matrix: Soil QC Batch#: 2002/09/03-05-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/06/2002 04:40	
Motor Oil	ND	50	mg/Kg	1.00	09/06/2002 04:40	
<b>Surrogates(s)</b> o-Terphenyl	83.9	60-130	%	1.00	09/06/2002 04:40	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-26	Lab ID:	2002-08-0630 - 8
Sampled:	08/29/2002	Extracted:	9/6/2002 13:23
Matrix:	Soil	QC Batch#:	2002/09/06-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/07/2002 19:01	ndp
Motor Oil	ND	50	mg/Kg	1.00	09/07/2002 19:01	
<b>Surrogates(s)</b> o-Terphenyl	93.7	60-130	%	1.00	09/07/2002 19:01	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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Received: 08/30/2002 16:30

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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/03-05.10-003

Soil

Test(s): 8015M

QC Batch # 2002/09/03-05.10

Date Extracted: 09/03/2002 09:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/04/2002 13:28	
Motor Oil	ND	50	mg/Kg	09/04/2002 13:28	
<b>Surrogates(s)</b> o-Terphenyl	74.9	60-130	%	09/04/2002 13:28	

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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Project: 1424-9B  
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CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Method Blank

Soil

QC Batch # 2002/09/06-03.10

MB: 2002/09/06-03.10-001

Date Extracted: 09/06/2002 13:23

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/08/2002 18:12	
Motor Oil	ND	50	mg/Kg	09/08/2002 18:12	
<b>Surrogates(s)</b> o-Terphenyl	81.2	60-130	%	09/08/2002 18:12	

Submission #: 2002-08-0630

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/03-05.10

LCS 2002/09/03-05 10-004

Extracted: 09/03/2002

Analyzed: 09/04/2002 12:13

LCSD 2002/09/03-05 10-005

Extracted: 09/03/2002

Analyzed: 09/04/2002 12:51

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	33.9	34.1	41.5	81.7	82.0	0.4	60-130	25		
Surrogates(s) o-Terphenyl	16.4	16.2	20.0	81.8	81.0		60-130	0		



Submission #: 2002-08-0630

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/06-03.10

LCS 2002/09/06-03.10-002

Extracted: 09/06/2002

Analyzed: 09/07/2002 06:24

LCSD 2002/09/06-03.10-003

Extracted: 09/06/2002

Analyzed: 09/07/2002 07:01

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	38.9	40.0	41.7	93.3	95.9	2.7	60-130	25		
Surrogates(s) o-Terphenyl	20.6	22.1	20.0	102.9	110.5		60-130	0		

Submission #: 2002-08-0630

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2002/09/03-05.10

SV-19 >> MS

Lab ID: 2002-08-0630 - 001

MS: 2002/09/03-05.10-001

Extracted: 09/03/2002

Analyzed: 09/06/2002 09:07

Dilution: 1.00

MSD: 2002/09/03-05.10-002

Extracted: 09/03/2002

Analyzed: 09/06/2002 09:47

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	400	298	580	41.7	-431.7	-677.9	-44.	60-130	25	mso	mso, rpd
Surrogate(s) o-Terphenyl	16.8	15.2		20.0	84.0	76.1		60-130	0		

Submission #: 2002-08-0630

TEPH w/ Silica Gel Clean-up

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Received: 08/30/2002 16:30

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CA DHS ELAP# 2496

### Legend and Notes

#### Result Flag

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

sd

Surrogate recovery not reportable due to required dilution.

**2002-08-0630**

68495

**CHAIN OF CUSTODY RECORD**

Project Name: <b>800 BUNNELL STREET</b>		Turnaround Requirements		ANALYSES REQUESTED									
Job No.: <b>1424-9B</b>		<input checked="" type="checkbox"/> <b>5 Working Days</b>		TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260 TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range TRPH (418.1) with silica gel column Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX Organochlorine Pesticides (8081) Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260 PAHs (8310) PCBs (8082)									
Report To: <b>Mark Amiola</b>		<input type="checkbox"/> <b>48 Hours</b>											
Sampler (print): <b>Veronica Figue</b>		<input type="checkbox"/> <b>24 Hours</b>											
Sampler (signature): <i>[Signature]</i>		<input type="checkbox"/> <b>2-3 Hours RUSH</b>											
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input type="checkbox"/> _____											
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF		<input checked="" type="checkbox"/> <b>QC Requirement: Level A (standard)</b>											
Global ID # :													

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
SV-19	8/29/02			Soil	1		X								
SV-20							X								
SV-21							X								
SV-22							X								
SV-23							X								
SV-24							X								4.8°C
SV-25							X								
SV-26							X								
SV-27	8/29/02														HOLD

Relinquished By: <i>[Signature]</i>	Date: 8/30/02	Time: 12:15 p.m.	Received By: <i>[Signature]</i>	Date: 8/30/02	Time: 12:15	PM Initial:
Relinquished By: <i>[Signature]</i>	Date: 8/30/02	Time: 1630	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Lab of Record:			
			Received by Lab: <i>Nounak</i>	Date: 8/30/02	Time: 1630	Temp:

**Submission#: 2002-09-0024**

September 06, 2002

**SEVERN**

**TRENT**

**LABORATORY**

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 09/03/2002 14:58

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 10/18/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/03/2002 14:58

SEVERN

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Pleasanton, CA 94566

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CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-28	08/30/2002	Soil	1
SV-30	08/30/2002	Soil	3
SV-31	08/30/2002	Soil	4
SV-32	08/30/2002	Soil	5
SV-33	08/30/2002	Soil	6
SV-34	08/30/2002	Soil	7
SP-13	08/30/2002	Soil	8
SP-14	08/30/2002	Soil	9
SP-15	08/30/2002	Soil	10
SP-16	08/30/2002	Soil	11
SP-17	08/30/2002	Soil	12
SP-18	08/30/2002	Soil	13
SP-19	08/30/2002	Soil	14
SP-20	08/30/2002	Soil	15
SP-21	08/30/2002	Soil	16
SP-22	08/30/2002	Soil	17
SP-23	08/30/2002	Soil	18
SP-24	08/30/2002	Soil	19
SP-25	08/30/2002	Soil	20
SP-26	08/30/2002	Soil	21
SP-27	08/30/2002	Soil	22
SP-28	08/30/2002	Soil	23
SP-29	08/30/2002	Soil	24
SP-30	08/30/2002	Soil	27
SP-31	08/30/2002	Soil	28
SP-32	08/30/2002	Soil	29
SP-33	08/30/2002	Soil	30
SP-34	08/30/2002	Soil	31
SP-35	08/30/2002	Soil	32
SP-36	08/30/2002	Soil	33
SP-37	08/30/2002	Soil	34
SP-38	08/30/2002	Soil	35
SP-39	08/30/2002	Soil	36
SP-40	08/30/2002	Soil	37

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-28 Lab ID: 2002-09-0024 - 1  
Sampled: 08/30/2002 Extracted: 9/4/2002 08:34  
Matrix: Soil QC Batch#: 2002/09/04-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 09:22	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 09:22	
<b>Surrogates(s)</b> o-Terphenyl	84.5	60-130	%	1.00	09/05/2002 09:22	

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-30      Lab ID: 2002-09-0024 - 3  
Sampled: 08/30/2002      Extracted: 9/4/2002 08:34  
Matrix: Soil      QC Batch#: 2002/09/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 08:44	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 08:44	
<b>Surrogates(s)</b> o-Terphenyl	79.0	60-130	%	1.00	09/05/2002 08:44	



Submission #: 2002-09-0024

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-31	Lab ID:	2002-09-0024 - 4
Sampled:	08/30/2002	Extracted:	9/4/2002 08:34
Matrix:	Soil	QC Batch#:	2002/09/04-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 08:05	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 08:05	
<b>Surrogates(s)</b> o-Terphenyl	88.4	60-130	%	1.00	09/05/2002 08:05	

Submission #: 2002-09-0024

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CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SV-32	Lab ID: 2002-09-0024 - 5
Sampled: 08/30/2002	Extracted: 9/4/2002 08:34
Matrix: Soil	QC Batch#: 2002/09/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 07:27	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 07:27	
<b>Surrogates(s)</b>						
o-Terphenyl	81.8	60-130	%	1.00	09/05/2002 07:27	

Submission #: 2002-09-0024

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SV-33	Lab ID: 2002-09-0024 - 6
Sampled: 08/30/2002	Extracted: 9/4/2002 08:34
Matrix: Soil	QC Batch#: 2002/09/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 06:48	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 06:48	
<b>Surrogates(s)</b>						
o-Terphenyl	85.0	60-130	%	1.00	09/05/2002 06:48	

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

1300 Powell Street

Received: 09/03/2002 14:58

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-34      Lab ID: 2002-09-0024 -7  
Sampled: 08/30/2002      Extracted: 9/4/2002 08:34  
Matrix: Soil      QC Batch#: 2002/09/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/05/2002 11:10	
Motor Oil	ND	50	mg/Kg	1.00	09/05/2002 11:10	
<b>Surrogates(s)</b> o-Terphenyl	82.1	60-130	%	1.00	09/05/2002 11:10	

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/03/2002 14:58

**SEVERN**  
**TRENT**  
**LABORATORY**

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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/04-02.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/04-02.10

Date Extracted: 09/04/2002 08:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/04/2002 23:24	
Motor Oil	ND	50	mg/Kg	09/04/2002 23:24	
<b>Surrogates(s)</b> o-Terphenyl	82.1	60-130	%	09/04/2002 23:24	

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/04-03.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/04-03.10

Date Extracted: 09/04/2002 09:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/05/2002 01:15	
Motor Oil	ND	50	mg/Kg	09/05/2002 01:15	
<b>Surrogates(s)</b> o-Terphenyl	61.9	60-130	%	09/05/2002 01:15	

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/03/2002 14:58

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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/04-02.10

LCS 2002/09/04-02.10-002

Extracted: 09/04/2002

Analyzed: 09/05/2002 00:01

LCSD 2002/09/04-02.10-003

Extracted: 09/04/2002

Analyzed: 09/05/2002 00:38

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	40.1	40.1	41.6	96.4	96.4	0.0	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.1	18.7	20.0	95.4	93.3		60-130	0		

Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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Project: 1424-9C  
1300 Powell Street

Received: 09/03/2002 14:58

SEVERN

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/04-03.10

LCS 2002/09/04-03.10-002

Extracted: 09/04/2002

Analyzed: 09/05/2002 01:52

LCSD 2002/09/04-03.10-003

Extracted: 09/04/2002

Analyzed: 09/05/2002 02:30

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	32.7	40.2	41.5	78.8	97.1	20.8	60-130	25		
Surrogates(s) o-Terphenyl	15.3	19.2	20.0	76.6	96.0		60-130	0		



Submission #: 2002-09-0024

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

1300 Powell Street

Received: 09/03/2002 14:58

SEVERN

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www.chromalab.com

CA DHS ELAP# 2496

---

**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.

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

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405 Clyde Ave.  
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251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

**San Ramon Office**  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

**2002-09-0024**

Project Name: <b>800 Powell St.</b>		Turnaround Requirements		ANALYSES REQUESTED <b>68524</b>									
Job No.: <b>424-9C</b>		<input checked="" type="checkbox"/> <b>5 Working Days</b> <i>due Friday, Sept. 6 per Vince Kancil</i>											
Report To: <b>Mark Arriola</b>		<input type="checkbox"/> 48 Hours											
Sampler (print): <b>Veronica Tiglio</b>		<input type="checkbox"/> 24 Hours											
Sampler (signature): <i>[Signature]</i>		<input type="checkbox"/> 2-3 Hours RUSH											
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		QC Requirement: <input checked="" type="checkbox"/> Level A (standard)											
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF													
Global ID # :													

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks		
SV-28	9/3/02			Soil	1		X										
SV-29	↓			↓	↓										HOLD		
SV-30																	
SV-31									X								
SV-32									X								
SV-33									X								
SV-34									X								
SP-13									X								
SP-14									X								
SP-15									X								
SP-16									X								
SP-17						X											

**RUSH**

Relinquished By: <i>[Signature]</i>	Date: 9/3/02	Time: 10:45	Received By: <i>[Signature]</i>	Date: 9/3/02	Time: 10:45	PM Initial:
Relinquished By: <i>[Signature]</i>	Date: 9/3/02	Time: 1458	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Lab of Record: <b>STL-SF</b>			Temp:
			Received by Lab: <b>Denise</b>	Date: 9/3/02	Time: 1458	2.8°C

P 1054 *[Signature]*

**CHAIN OF CUSTODY RECORD**

**2002-09-0024**

Project Name: 300 Powell St.  
 Job No.: 1424-9C  
 Report To: Nick Arriola  
 Sampler (print): Veronica Tiglo  
 Sampler (signature): [Signature]  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID # :

Turnaround Requirements  
 **5 Working Days**  
due Fri, Sept 6, 2002  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH  
 \_\_\_\_\_

QC Requirement:  
 **Level A (standard)**

ANALYSES REQUESTED												
TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)				

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
SP-18	8/30/02			Soil	1		X								
SP-19							X								
SP-20							X								
SP-21							X								
SP-22							X								
SP-23							X								
SP-24							X								
SP-25							X								
SP-26							X								
SP-27							X								
SP-28							X								
SP-29							X								

**RUSH**

Relinquished By: <u>[Signature]</u>	Date: <u>9/3/02</u> Time: <u>10:45</u>	Received By: <u>[Signature]</u>	Date: <u>9/3/02</u> Time: <u>10:45</u>	PM Initial:
Relinquished By: <u>[Signature]</u>	Date: <u>9/3/02</u> Time: <u>1458</u>	Received By:	Date: _____ Time: _____	
Relinquished By:	Date: _____ Time: _____	Lab of Record:		Temp:
		Received by Lab: <u>Denise</u>	Date: <u>9/3/02</u> Time: <u>1458</u>	

2024 Harrington

**2002-09-0024**

**CHAIN OF CUSTODY RECORD**

Project Name: **1300 Powell St.**  
Job No.: **1424-9c**  
Report To: **Mark Arriola**  
Sampler (print): **Veronica Tribo**  
Sampler (signature): *[Signature]*

Turnaround Requirements:  
 **5 Working Days**  
*due Fri, Sept 6, 2002*  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH  
 \_\_\_\_\_

ANALYSES REQUESTED

Electronic Deliverable Format Required:  YES  NO  
EDF LOGCODE:  LAMV  LAO  LAF  
Global ID # : \_\_\_\_\_

QC Requirement:  
 **Level A (standard)**

TPH as gas/BTEX/MTBE Method:  8015/8021  8260  
TPH as diesel (8015M)  Add silica gel column  Add Oil Range  
TRPH (418.1) with silica gel column  
Halogenated VOCs (former 8010 list) Method:  8021  8260  Add BTEX  
Organochlorine Pesticides (8081)  
Metals:  As, Pb, Hg  17 CAM  
Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260  
PAHs (8310)  
PCBs (8082)

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
SR-30	9/3/02			Soil	1										HOLD
SR-31															HOLD
SR-32															
SR-33															
SR-34															
SR-35															
SR-36															
SR-37															
SR-38															
SR-39															

**RUSH**

Relinquished By: *[Signature]* Date: **9/3/02** Time: **10:45** Received By: *[Signature]* Date: **9/3/02** Time: **10:45** PM Initial: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: **9/3/02** Time: **1458** Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Lab of Record: *[Signature]* Temp: \_\_\_\_\_

Received by Lab: *[Signature]* Date: **9/3/02** Time: **1458**

93084

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
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Tel: 510.267.1970  
Fax: 510.267.1972

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Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-09-0024

Project Name: <b>300 Powell St.</b>				Turnaround Requirements		ANALYSES REQUESTED										
Job No.: <b>K24-9C</b>				<input checked="" type="checkbox"/> <b>5 Working Days</b> <input type="checkbox"/> <b>48 Hours</b> <i>due Fri, Sept 6, 2002</i> <input type="checkbox"/> <b>24 Hours</b> <input type="checkbox"/> <b>2-3 Hours RUSH</b> <input type="checkbox"/> _____		TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260 TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input type="checkbox"/> Add Oil Range TRPH (418.1) with silica gel column Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX Organochlorine Pesticides (8081) Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260 PAHs (8310) PCBs (8082)										
Report To: <b>Mark Aranda</b>				QC Requirement: <input checked="" type="checkbox"/> <b>Level A (standard)</b>												
Sampler (print): <b>Veronica Tighe</b>																
Sampler (signature): <i>Veronica Tighe</i>																
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF																
Global ID # :																
Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.											
<b>SR-40</b>	<b>8/3/02</b>	<b>9</b>		<b>Soil</b>	<b>1</b>											
						<b>RUSH</b>										
Relinquished By: <i>[Signature]</i>						Date: <b>9/3/02</b> Time: <b>10:45</b>		Received By: <i>[Signature]</i>				Date: <b>9/3/02</b> Time: <b>1045</b> PM Initial:				
Relinquished By: <i>[Signature]</i>						Date: <b>9/3/02</b> Time: <b>1458</b>		Received By:				Date: Time:				
Relinquished By:						Date: Time:		Lab of Record:				Temp:				
								Received by Lab: <b>Denise Harrington</b>				Date: <b>9/3/02</b> Time: <b>1458</b>				

PAOS 4

68524



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 09 - 0024

Checklist completed by: (initials) NSH Date: 09/03/02

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° C ± 2)?

Temp: \_\_\_ °C 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

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: \_\_\_/\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):

Submission#: 2002-09-0087

September 09, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 09/05/2002 17:25

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

Please note that any unused portion of the samples will be discarded after 10/20/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/05/2002 17:25

**SEVERN**  
**TRENT**  
**LABORATORY**

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1220 Quarry Lane  
Pleasanton, CA 94586

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

CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SV-37	09/04/2002 14:25	Soil	1
SV-38	09/04/2002 14:25	Soil	2
SV-39	09/04/2002 14:30	Soil	3
SV-40	09/04/2002 15:50	Soil	4
SV-41	09/04/2002 15:50	Soil	5
SV-42	09/04/2002 15:55	Soil	6
SV-43	09/04/2002 15:55	Soil	7



Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Amiola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/05/2002 17:25



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Pleasanton, CA 94566

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-37	Lab ID:	2002-09-0087 - 1
Sampled:	09/04/2002 14:25	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1700	100	mg/Kg	100.00	09/08/2002 21:55	ndp
Motor Oil	14000	5000	mg/Kg	100.00	09/08/2002 21:55	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	100.00	09/08/2002 21:55	sd

Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/05/2002 17:25

SEVERN  
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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	80-15M
Sample ID:	SV-38	Lab ID:	2002-09-0087 - 2
Sampled:	09/04/2002 14:25	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3400	1.0	mg/Kg	1.00	09/08/2002 21:55	ndp
Motor Oil	9300	50	mg/Kg	1.00	09/08/2002 21:55	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	1.00	09/08/2002 21:55	sd

Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/05/2002 17:25

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-39	Lab ID:	2002-09-0087 - 3
Sampled:	09/04/2002 14:30	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	3.8	1.0	mg/Kg	1.00	09/07/2002 10:20	ndp
Motor Oil	ND	50	mg/Kg	1.00	09/07/2002 10:20	
<b>Surrogates(s)</b> o-Terphenyl	87.9	60-130	%	1.00	09/07/2002 10:20	

Submission #: 2002-09-0087

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-40	Lab ID:	2002-09-0087 - 4
Sampled:	09/04/2002 15:50	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	36	1.0	mg/Kg	1.00	09/07/2002 09:40	ndp
Motor Oil	120	50	mg/Kg	1.00	09/07/2002 09:40	
<b>Surrogates(s)</b> o-Terphenyl	86.8	60-130	%	1.00	09/07/2002 09:40	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-41	Lab ID:	2002-09-0087 - 5
Sampled:	09/04/2002 15:50	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	56	1.0	mg/Kg	1.00	09/07/2002 21:33	ndp
Motor Oil	450	50	mg/Kg	1.00	09/07/2002 21:33	
<b>Surrogates(s)</b> o-Terphenyl	94.7	60-130	%	1.00	09/07/2002 21:33	

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CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-42      Lab ID: 2002-09-0087 - 6  
Sampled: 09/04/2002 15:55      Extracted: 9/6/2002 08:41  
Matrix: Soil      QC Batch#: 2002/09/06-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	35	1.0	mg/Kg	1.00	09/07/2002 22:10	ndp
Motor Oil	260	50	mg/Kg	1.00	09/07/2002 22:10	
<b>Surrogates(s)</b> o-Terphenyl	98.4	60-130	%	1.00	09/07/2002 22:10	

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TEPH w/ Silica Gel Clean-up

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Project: 1424-9C  
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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-43	Lab ID:	2002-09-0087 - 7
Sampled:	09/04/2002 15:55	Extracted:	9/6/2002 08:41
Matrix:	Soil	QC Batch#:	2002/09/06-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/07/2002 20:17	
Motor Oil	ND	50	mg/Kg	1.00	09/07/2002 20:17	
<b>Surrogates(s)</b> o-Terphenyl	83.3	60-130	%	1.00	09/07/2002 20:17	

Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/06-01.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/06-01.10

Date Extracted: 09/06/2002 08:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/07/2002 11:27	
Motor Oil	ND	50	mg/Kg	09/07/2002 11:27	
<b>Surrogates(s)</b> o-Terphenyl	82.7	60-130	%	09/07/2002 11:27	



Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/06-01.10

LCS 2002/09/06-01.10-002

Extracted: 09/06/2002

Analyzed: 09/07/2002 10:11

LCSD 2002/09/06-01.10-003

Extracted: 09/06/2002

Analyzed: 09/07/2002 10:49

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.7	34.3	41.7	83.2	82.3	1.1	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.5	18.4	20.0	92.4	91.8		60-130	0		

Submission #: 2002-09-0087

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C

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CA DHS ELAP# 2496

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**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.

Submission #: 2002-09-0087

Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland

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167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-39	09/04/2002 14:30	Soil	3
SV-43	09/04/2002 15:55	Soil	7

Submission #: 2002-09-0087

Polynuclear Aromatic Hydrocarbons (PNA)

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Project: 1424-9C  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: SV-39 Lab ID: 2002-09-0087 - 3  
Sampled: 09/04/2002 14:30 Extracted: 9/6/2002 11:12  
Matrix: Soil QC Batch#: 2002/09/06-01:18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	09/06/2002 19:19	
Acenaphthylene	ND	10	ug/Kg	1.00	09/06/2002 19:19	
Acenaphthene	ND	10	ug/Kg	1.00	09/06/2002 19:19	
Fluorene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Phenanthrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Anthracene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Pyrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Chrysene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:19	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	09/06/2002 19:19	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	09/06/2002 19:19	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	09/06/2002 19:19	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	89.1	50-150	%	1.00	09/06/2002 19:19	

Submission #: 2002-09-0087

Polynuclear Aromatic Hydrocarbons (PNA)

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/05/2002 17:25

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1220 Quarry Lane  
Pleasanton, CA 94566

Tel: (925) 484-1919  
Fax: (925) 484-1096  
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CA DHS ELAP# 2496

Prep(s): 3550/8310 Test(s): 8310  
Sample ID: SV-43 Lab ID: 2002-09-0087 - 7  
Sampled: 09/04/2002 15:55 Extracted: 9/6/2002 11:12  
Matrix: Soil QC Batch#: 2002/09/06-01.18

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Naphthalene	ND	15	ug/Kg	1.00	09/06/2002 19:41	
Acenaphthylene	ND	10	ug/Kg	1.00	09/06/2002 19:41	
Acenaphthene	ND	10	ug/Kg	1.00	09/06/2002 19:41	
Fluorene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Phenanthrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Anthracene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Pyrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Benzo(a)anthracene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Chrysene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Benzo(a)pyrene	ND	5.0	ug/Kg	1.00	09/06/2002 19:41	
Dibenzo(a,h)anthracene	ND	10	ug/Kg	1.00	09/06/2002 19:41	
Benzo(g,h,i)perylene	ND	10	ug/Kg	1.00	09/06/2002 19:41	
Indeno(1,2,3-cd)pyrene	ND	10	ug/Kg	1.00	09/06/2002 19:41	
<b>Surrogates(s)</b>						
1-Methyl naphthalene	89.6	50-150	%	1.00	09/06/2002 19:41	

Submission #: 2002-09-0087

Polynuclear Aromatic Hydrocarbons (PNA)

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8310

Test(s): 8310

Method Blank

Soil

QC Batch # 2002/09/06-01.18

MB: 2002/09/06-01.18-001

Date Extracted: 09/06/2002 11:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Naphthalene	ND	15.0	ug/Kg	09/06/2002 18:32	
Acenaphthylene	ND	10	ug/Kg	09/06/2002 18:32	
Acenaphthene	ND	10	ug/Kg	09/06/2002 18:32	
Fluorene	ND	5.0	ug/Kg	09/06/2002 18:32	
Phenanthrene	ND	5.0	ug/Kg	09/06/2002 18:32	
Anthracene	ND	5.0	ug/Kg	09/06/2002 18:32	
Fluoranthene	ND	5.0	ug/Kg	09/06/2002 18:32	
Pyrene	ND	5.0	ug/Kg	09/06/2002 18:32	
Benzo(a)anthracene	ND	5.0	ug/Kg	09/06/2002 18:32	
Chrysene	ND	5.0	ug/Kg	09/06/2002 18:32	
Benzo(b)fluoranthene	ND	5.0	ug/Kg	09/06/2002 18:32	
Benzo(k)fluoranthene	ND	5.0	ug/Kg	09/06/2002 18:32	
Benzo(a)pyrene	ND	5.0	ug/Kg	09/06/2002 18:32	
Dibenzo(a,h)anthracene	ND	10.0	ug/Kg	09/06/2002 18:32	
Benzo(g,h,i)perylene	ND	10.0	ug/Kg	09/06/2002 18:32	
Indeno(1,2,3-cd)pyrene	ND	10.0	ug/Kg	09/06/2002 18:32	
<b>Surrogates(s)</b>					
1-Methyl naphthalene	93.7	50-150	%	09/06/2002 18:32	

Submission #: 2002-09-0087

Polynuclear Aromatic Hydrocarbons (PNA)

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8310

Test(s): 8310

Laboratory Control Spike

Soil

QC Batch # 2002/09/06-01.18

LCS 2002/09/06-01.18-002

Extracted: 09/06/2002

Analyzed: 09/06/2002 18:35

LCSD 2002/09/06-01.18-003

Extracted: 09/06/2002

Analyzed: 09/09/2002 18:57

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Naphthalene	191	192	199	96.0	96.0	0.0	50-150	35		
Phenanthrene	193	194	199	97.0	97.0	0.0	50-150	35		
Pyrene	188	188	199	94.5	94.0	0.5	50-150	35		
Chrysene	218	226	199	109.5	113.0	3.1	50-150	35		
Benzo(a)pyrene	172	175	199	86.4	87.5	1.3	50-150	35		
<b>Surrogates(s)</b>										
1-Methyl naphthalene	13.4	13.1	15	89.1	87.2		50-150	0		

2002-09-0087

**CHAIN OF CUSTODY RECORD**

Project Name: 1300 Powell Street  
 Job No.: 1424-9C  
 Report To: Mark Arniola  
 Sampler (print): Matthew Rosman  
 Sampler (signature): *M. Rosman*  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID # :  
 Turnaround Requirements:  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH  
 \_\_\_\_\_  
 QC Requirement:  
 Level A (standard)

ANALYSES REQUESTED **68592**

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> I7 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)					
SV-37	9/4/02	1425		Soil	1		X												
SV-38		1425					X												
SV-39		1430					X						X						
SV-40		1550					X												
SV-41		1550					X												Remarks
SV-42		1555					X												
SV-43		1555					X						X						

Relinquished By: *M. Rosman* Date: 9/4/02 Time: 1615 Received By: *Mark Arniola* Date: 9/4/02 Time: 16:15 PM Initial:  
 Relinquished By: *Mark Arniola* Date: 9/5/02 Time: 10:30 Received By: *[Signature]* Date: 9/5/02 Time: 1030  
 Relinquished By: *[Signature]* Date: 9/5/02 Time: 1725 Lab of Record: *Denise Harrington* Temp:  
 Received by Lab: *STL-SF* Date: 09/5/02 Time: 1725 4.2°C





STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 09 - 0087

Checklist completed by: (initials) CR Date: 09 / 06 /02

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° C ± 2)? Yes  No \_\_\_\_\_
- Water - VOA vials have zero headspace? Yes  No \_\_\_\_\_
- No VOA vials submitted  Yes \_\_\_\_\_ No \_\_\_\_\_

Temp: 4.2 °C

(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

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: \_\_\_\_\_ / \_\_\_\_\_ /02

Client contacted:  Yes  No

Summary of discussion:  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client):  
\_\_\_\_\_  
\_\_\_\_\_

Submission#: 2002-09-0229

September 18, 2002

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TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 09/12/2002 15:50

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 10/27/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

**RECEIVED**

SEP 26 2002

LOWNEY, OK

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

1300 Powell Street

Received: 09/12/2002 15:50

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-45	09/11/2002	Soil	2
SV-46	09/11/2002	Soil	3
SV-48	09/12/2002	Soil	5
SV-49	09/12/2002	Soil	6
SV-50	09/12/2002	Soil	7

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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Received: 09/12/2002 15:50

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-45	Lab ID:	2002-09-0229 - 2
Sampled:	09/11/2002	Extracted:	9/12/2002 16:55
Matrix:	Soil	QC Batch#:	2002/09/12-06:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	510	20	mg/Kg	20.00	09/17/2002 04:06	ndp
Motor Oil	3400	1000	mg/Kg	20.00	09/17/2002 04:06	
<b>Surrogates(s)</b> o-Terphenyl	NA	60-130	%	20.00	09/17/2002 04:06	sd

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
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Project: 1424-9C  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-46	Lab ID:	2002-09-0229 - 3
Sampled:	09/11/2002	Extracted:	9/12/2002 16:55
Matrix:	Soil	QC Batch#:	2002/09/12-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	340	20	mg/Kg	20.00	09/17/2002 03:27	ndp
Motor Oil	2300	1000	mg/Kg	20.00	09/17/2002 03:27	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	20.00	09/17/2002 03:27	sd

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-48 Lab ID: 2002-09-0229 - 5  
Sampled: 09/12/2002 Extracted: 9/12/2002 16:55  
Matrix: Soil QC Batch#: 2002/09/12-06-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	700	50	mg/Kg	50.00	09/17/2002 03:25	ndp
Motor Oil	4300	2500	mg/Kg	50.00	09/17/2002 03:25	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	50.00	09/17/2002 03:25	sd

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
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Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-49	Lab ID:	2002-09-0229 - 6
Sampled:	09/12/2002	Extracted:	9/12/2002 16:55
Matrix:	Soil	QC Batch#:	2002/09/12-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/13/2002 20:17	
Motor Oil	ND	50	mg/Kg	1.00	09/13/2002 20:17	
<b>Surrogates(s)</b> o-Terphenyl	82.9	60-130	%	1.00	09/13/2002 20:17	

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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Oakland, Ca 94607  
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Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

SEVERN  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-50	Lab ID:	2002-09-0229 - 7
Sampled:	09/12/2002	Extracted:	9/12/2002 16:55
Matrix:	Soil	QC Batch#:	2002/09/12-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2100	50	mg/Kg	50.00	09/17/2002 04:04	ndp
Motor Oil	2500	2500	mg/Kg	50.00	09/17/2002 04:04	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	50.00	09/17/2002 04:04	sd



Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50



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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/12-06.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/12-06.10

Date Extracted: 09/12/2002 16:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	3.20	1	mg/Kg	09/13/2002 11:00	b
Motor Oil	ND	50	mg/Kg	09/13/2002 11:00	
<b>Surrogates(s)</b> o-Terphenyl	90.8	60-130	%	09/13/2002 11:00	

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C  
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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/09/12-06.10**

LCS 2002/09/12-06.10-002

Extracted: 09/12/2002

Analyzed: 09/13/2002 09:40

LCSD 2002/09/12-06.10-003

Extracted: 09/12/2002

Analyzed: 09/13/2002 10:20

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	36.6	37.5	41.6	88.0	90.4	2.7	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.3	17.9	20.0	91.6	89.4		60-130	0		

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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Oakland, Ca 94607

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Project: 1424-9C

1300 Powell Street

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Pleasanton, CA 94566

Tel: (925) 484-1919

Fax: (925) 484-1096

www.sfl-inc.com

www.chromalab.com

CA DHS ELAP# 2496

### Legend and Notes

#### Result Flag

b

Analyte was found in the method blank at a concentration greater than the reporting limit.

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sd

Surrogate recovery not reportable due to required dilution.

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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www.chromalab.com

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-47	09/12/2002	Soil	4

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

**SEVERN**  
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Fax: (925) 484-1096  
www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-47      Lab ID: 2002-09-0229 - 4  
Sampled: 09/12/2002      Extracted: 9/17/2002 11:10  
Matrix: Soil      GC Batch#: 2002/09/17-02\_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	24	1.0	mg/Kg	1.00	09/17/2002 21:41	ndp
Motor Oil	ND	50	mg/Kg	1.00	09/17/2002 21:41	
<b>Surrogates(s)</b>						
o-Terphenyl	102.4	60-130	%	1.00	09/17/2002 21:41	

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/17-02-10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/17-02-10

Date Extracted: 09/17/2002 11:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/18/2002 07:10	
Motor Oil	ND	50	mg/Kg	09/18/2002 07:10	
<b>Surrogates(s)</b> o-Terphenyl	88.3	60-130	%	09/18/2002 07:10	

Submission #: 2002-09-0229

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/12/2002 15:50

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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/09/17-02.10**

LCS 2002/09/17-02.10-002

Extracted: 09/17/2002

Analyzed: 09/18/2002 05:54

LCSD 2002/09/17-02.10-003

Extracted: 09/17/2002

Analyzed: 09/18/2002 06:32

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	34.8	33.7	41.7	83.5	80.8	3.3	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.9	17.7	20.0	89.5	88.4		60-130	0		

Submission #: 2002-09-0229

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www.chromalab.com

CA DHS ELAP# 2496

---

Legend and Notes

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard



# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.7385

Oakland Office  
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Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1919

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

**2002-09-0229**

## CHAIN OF CUSTODY RECORD

Project Name: <b>1300 Powell Street</b>		Turnaround Requirements <b>3 Working Days</b> <b>Results by Tues, 9/17/02</b>		ANALYSES REQUESTED <b>68730</b>									
Job No.: <b>K24-QC</b>		<input type="checkbox"/> 48 Hours		<h1>RUSH</h1>									
Report To: <b>Mark Anniola</b>		<input type="checkbox"/> 24 Hours											
Sampler (print): <b>Varonica Tiglao</b>		<input type="checkbox"/> 2-3 Hours RUSH											
Sampler (signature): <i>[Signature]</i>		<input type="checkbox"/> _____											
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		QC Requirement: <input checked="" type="checkbox"/> Level A (standard)		TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260 TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range TRPH (418.1) with silica gel column Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX Organochlorine Pesticides (8081) Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260 PAHs (8310) PCBs (8082)									
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF		Global ID # :											

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
SV-44	9/11/02			Soil	1										HOC
SV-45	9/11/02			Soil	1		X								
SV-46	9/11/02			Soil	1		X								
SV-47	9/11/02			Soil	1		X								
SV-48	↓			↓	↓		X								
SV-49	↓			↓	↓		X								
SV-50	↓			↓	↓		X								

Relinquished By: <i>[Signature]</i>	Date: 9/12/02	Time: 2:55 p.m.	Received By: <i>[Signature]</i>	Date: 9/12/02	Time: 3:05 p.m.	PM Initial:
Relinquished By: <i>[Signature]</i>	Date: 9/12/02	Time: 1:50	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Lab of Record: <i>[Signature]</i>			Temp:
			Received by Lab: STL-SF	Date: 9/12/02	Time: 1:55	4.9

68730



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 09 - 0229

Checklist completed by: (Initials) DSH Date: 09/12/02

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° C ± 2)?

Temp: 4.9 °C 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

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: \_\_\_\_/\_\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):

Submission#: 2002-09-0599

October 01, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 09/25/2002 18:35

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 11/09/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
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Project: 1424-9C  
1300 Powell Street

Received: 09/25/2002 18:35

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-41	09/24/2002	Soil	1
SP-42	09/24/2002	Soil	2
SP-43	09/24/2002	Soil	3
SP-44	09/24/2002	Soil	4
SP-45	09/24/2002	Soil	5
SP-46	09/24/2002	Soil	6
SP-47	09/24/2002	Soil	7
SP-48	09/24/2002	Soil	8
SP-49	09/24/2002	Soil	9
SP-50	09/24/2002	Soil	10
SP-51	09/24/2002	Soil	11
SP-52	09/24/2002	Soil	12
SP-53	09/24/2002	Soil	13
SP-54	09/24/2002	Soil	14
SP-55	09/24/2002	Soil	15
SP-56	09/24/2002	Soil	16
SP-57	09/24/2002	Soil	17
SP-58	09/24/2002	Soil	18
SP-59	09/24/2002	Soil	19
SP-60	09/24/2002	Soil	20
SP-61	09/24/2002	Soil	21
SP-62	09/24/2002	Soil	22
SV-51@8	09/24/2002	Soil	23
SV-52@10	09/24/2002	Soil	24
SP-63	09/25/2002	Soil	25
SP-64	09/25/2002	Soil	26
SP-65	09/25/2002	Soil	27
SP-66	09/25/2002	Soil	28
SP-67	09/25/2002	Soil	29
SP-68	09/25/2002	Soil	30
SP-69	09/25/2002	Soil	31
SP-70	09/25/2002	Soil	32
SP-71	09/25/2002	Soil	33
SP-72	09/25/2002	Soil	34

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/25/2002 18:35

SEVERN  
TRENT  
LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: SV-51@8 Lab ID: 2002-09-0599 - 23  
Sampled: 09/24/2002 Extracted: 9/26/2002 12:32  
Matrix: Soil QC Batch#: 2002/09/26-05:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.4	1.0	mg/Kg	1.00	09/27/2002 05:12	ndp
Motor Oil	ND	50	mg/Kg	1.00	09/27/2002 05:12	
<b>Surrogates(s)</b>						
o-Terphenyl	75.9	60-130	%	1.00	09/27/2002 05:12	

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/25/2002 18:35

SEVERN

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LABORATORY

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1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-52@10	Lab ID:	2002-09-0599 - 24
Sampled:	09/24/2002	Extracted:	9/26/2002 12:32
Matrix:	Soil	QC Batch#:	2002/09/26-05:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	09/27/2002 04:32	
Motor Oil	ND	50	mg/Kg	1.00	09/27/2002 04:32	
<b>Surrogates(s)</b> o-Terphenyl	75.0	60-130	%	1.00	09/27/2002 04:32	

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/25/2002 18:35

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

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/26-04.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/26-04.10

Date Extracted: 09/26/2002 08:55

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/27/2002 03:12	
Motor Oil	ND	50	mg/Kg	09/27/2002 03:12	
<b>Surrogates(s)</b>					
o-Terphenyl	80.4	60-130	%	09/27/2002 03:12	

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell Street

Received: 09/25/2002 18:35

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Fax: (925) 484-1096  
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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/09/26-05.10-001

Soil

Test(s): 8015M

QC Batch # 2002/09/26-05.10

Date Extracted: 09/26/2002 12:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	09/27/2002 03:15	
Motor Oil	ND	50	mg/Kg	09/27/2002 03:15	
<b>Surrogates(s)</b> o-Terphenyl	76.7	60-130	%	09/27/2002 03:15	



Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/09/26-04.10

LCS 2002/09/26-04.10-002

Extracted: 09/26/2002

Analyzed: 09/27/2002 01:51

LCSD 2002/09/26-04.10-003

Extracted: 09/26/2002

Analyzed: 09/27/2002 02:31

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	40.4	39.9	41.7	96.9	95.7	1.2	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	19.7	19.9	20.0	98.7	99.5		60-130	0		

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

**Laboratory Control Spike**

**Soil**

**QC Batch # 2002/09/26-05.10**

LCS 2002/09/26-05.10-002

Extracted: 09/26/2002

Analyzed: 09/27/2002 01:59

LCSD 2002/09/26-05.10-003

Extracted: 09/26/2002

Analyzed: 09/27/2002 02:37

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	38.3	38.9	41.7	91.8	93.3	1.6	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	17.5	17.9	20.0	87.7	89.3		60-130	0		

Submission #: 2002-09-0599

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

1300 Powell Street

Received: 09/25/2002 18:35

SEVERN

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

CA DHS ELAP# 2496

---

### 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.



# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2205  
Fax: 650.967.4781

Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1970

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

2002-09-0599

## CHAIN OF CUSTODY RECORD

Project Name: 1300 Powell Street

Job No.: 1424 9C

Report To: Mark Armida

Sampler (print): Karolina Tiglar

Sampler (signature): [Signature]

Electronic Deliverable Format Required:  YES  NO

EDF LOGCODE:  LAMV  LAO  LAF

Global ID #: \_\_\_\_\_

### Turnaround Requirements

- 5 Working Days
- 48 Hours
- 24 Hours
- 2-3 Hours RUSH
- \_\_\_\_\_

### QC Requirement:

- Level A (standard)

### ANALYSES REQUESTED

69104

TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)												
--	--	-------------------------------------	--	----------------------------------	---	---	-------------	-------------	--	--	--	--	--	--	--	--	--	--	--	--

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.
13 SR-53	9/24/02			Soil	1
14 SR-54					
15 SR-55					
16 SR-56					
17 SR-57					
18 SR-58					
19 SR-59					
20 SR-60					
21 SR-61					
22 SR-62					
23 SV-51 @ 8					
24 SV-52 @ 10					

RUSH

Relinquished By: <u>Mark Armida</u>	Date: <u>9/25/02</u> Time: <u>14:25</u>	Received By: <u>[Signature]</u>	Date: <u>9/25/02</u> Time: <u>14:25</u>	PM Initial:
Relinquished By: <u>[Signature]</u>	Date: <u>9/25/02</u> Time: <u>18:35</u>	Received By: <u>D. Harrington</u>	Date: <u>9/25/02</u> Time: <u>18:35</u>	
Relinquished By: _____	Date: _____ Time: _____	Lab of Record: <u>STL-SFO</u>		Temp:
		Received by Lab: _____	Date: _____ Time: _____	

22053

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

**Mountain View Office**  
405 Clyde Ave.  
Mountain View, 94043  
Tel: 650.967.2367  
Fax: 650.967.2367

**Oakland Office**  
167 Filbert St.  
Oakland, 94607  
Tel: 415.767.1977  
Fax: 415.767.1977

**Fullerton Office**  
251 E. Imperial Hwy. #470  
Fullerton, 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

**San Ramon Office**  
2258 Camino Ramon  
San Ramon, 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

2002-09-0579

## CHAIN OF CUSTODY RECORD

Project Name: <b>300 Powell Street</b>	Turnaround Requirements	ANALYSES REQUESTED <b>69104</b>									
Job No.: <b>K24-9c</b>	<input checked="" type="checkbox"/> <b>5 Working Days</b>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td style="width: 15%;">TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260</td> <td style="width: 15%;">TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range</td> <td style="width: 15%;">TRPH (418.1) with silica gel column</td> <td style="width: 15%;">Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX</td> <td style="width: 15%;">Organochlorine Pesticides (8081)</td> <td style="width: 15%;">Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM</td> <td style="width: 15%;">Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260</td> <td style="width: 15%;">PAHs (8310)</td> <td style="width: 15%;">PCBs (8082)</td> </tr> </table>	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)
TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range		TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)		
Report To: <b>Mark Arriola</b>	<input type="checkbox"/> 48 Hours										
Sampler (print): <b>Veronica Talao</b>	<input type="checkbox"/> 24 Hours										
Sampler (signature): <i>[Signature]</i>	<input type="checkbox"/> 2-3 Hours RUSH										
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	QC Requirement: <input checked="" type="checkbox"/> Level A (standard)										
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF	Global ID #:										

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
25 SP-63	9/25/02			Soil	1	X	X								
26 SP-64	↓					X	X								
27 SP-65						X	X								
28 SP-66						X	X								
29 SP-67						X	X								
30 SP-68						X	X								
31 SP-69						X	X								
2 SP-70						X	X								
3 SP-71						X	X								
4 SP-72						X	X								

RUSH

Relinquished By: <i>Mark Arriola</i>	Date: 9/25/02	Time: 14:25	Received By: <i>[Signature]</i>	Date: 9/25/02	Time: 14:25	PM Initial:
Relinquished By: <i>[Signature]</i>	Date: 9/25/02	Time: 1835	Received By: <i>[Signature]</i>	Date: 9/25/02	Time: 1835	
Relinquished By:	Date:	Time:	Lab of Record: <b>STL SP</b>			Temp:
			Received by Lab:	Date:	Time:	

Submission#: 2002-10-0282

October 16, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: Powell Str.

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 10/11/2002 16:31

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 11/25/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

SEVERN

TRENT

LABORATORY

STL San Francisco  
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Pleasanton, CA 94566

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

CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-53	10/11/2002	Soil	1
SV-54	10/11/2002	Soil	2
SV-55	10/11/2002	Soil	3
SV-56	10/11/2002	Soil	4



Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
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Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
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Received: 10/11/2002 16:31

SEVERN

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-53	Lab ID:	2002-10-0282 - 1
Sampled:	10/11/2002	Extracted:	10/14/2002 08:53
Matrix:	Soil	QC Batch#:	2002/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/15/2002 05:23	
Motor Oil	ND	50	mg/Kg	1.00	10/15/2002 05:23	
<b>Surrogates(s)</b>						
o-Terphenyl	71.1	60-130	%	1.00	10/15/2002 05:23	

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-54	Lab ID:	2002-10-0282 -2
Sampled:	10/11/2002	Extracted:	10/14/2002 08:53
Matrix:	Soil	QC Batch#:	2002/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	12	1.0	mg/Kg	1.00	10/15/2002 06:00	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/15/2002 06:00	
<b>Surrogates(s)</b>						
o-Terphenyl	89.4	60-130	%	1.00	10/15/2002 06:00	

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Amiola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-55	Lab ID:	2002-10-0282 - 3
Sampled:	10/11/2002	Extracted:	10/14/2002 08:53
Matrix:	Soil	QC Batch#:	2002/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	10/15/2002 06:37	ndp
Motor Oil	100	50	mg/Kg	1.00	10/15/2002 06:37	
<b>Surrogates(s)</b>						
o-Terphenyl	85.5	60-130	%	1.00	10/15/2002 06:37	

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-56	Lab ID:	2002-10-0282 - 4
Sampled:	10/11/2002	Extracted:	10/14/2002 08:53
Matrix:	Soil	QC Batch#:	2002/10/14-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.6	1.0	mg/Kg	1.00	10/15/2002 07:14	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/15/2002 07:14	
<i>Surrogates(s)</i>						
o-Terphenyl	77.5	60-130	%	1.00	10/15/2002 07:14	

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/10/14-02 10-001

Soil

Test(s): 8015M

QC Batch # 2002/10/14-02 10

Date Extracted: 10/14/2002 08:53

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/14/2002 16:24	
Motor Oil	ND	50	mg/Kg	10/14/2002 16:24	
<b>Surrogates(s)</b> o-Terphenyl	68.4	60-130	%	10/14/2002 16:24	

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

SEVERN

TRENT

LABORATORY

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Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/14-02.10

LCS 2002/10/14-02.10-002

Extracted: 10/14/2002

Analyzed: 10/14/2002 16:24

LCSD 2002/10/14-02.10-003

Extracted: 10/14/2002

Analyzed: 10/14/2002 17:01

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	35.1	35.7	41.5	84.6	86.2	1.9	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	15.8	15.9	20.0	79.1	79.6		60-130	0		

Submission #: 2002-10-0282

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Str.

Received: 10/11/2002 16:31

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CA DHS ELAP# 2496

---

**Legend and Notes**

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.7888  
Fax: 650.967.7888

Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.287.9900  
Fax: 510.287.9900

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-10-0282

Project Name: Powell Str.  
 Job No.: 1424-9c  
 Report To: Mark Asuniola  
 Sampler (print): Charles Mettler  
 Sampler (signature): CL Mettler  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID #: \_\_\_\_\_

**Turnaround Requirements**  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH  
 \_\_\_\_\_  
**QC Requirement:**  
 Level A (standard)

ANALYSES REQUESTED										
TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)		

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.
SV- <del>53</del> 53	10/11/02			Soil	1
SV- <del>54</del> 54	↓			↓	↓
SV- <del>55</del> 55	↓			↓	↓
SV- <del>56</del> 56	↓			↓	↓

RUSH

Relinquished By: <u>CL Mettler</u>	Date: <u>10-11-02</u>	Time: <u>12:25</u>	Received By: <u>[Signature]</u>	Date: <u>10/10/02</u>	Time: <u>2:05</u>	PM Initial: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____	Temp: _____
Relinquished By: _____	Date: _____	Time: _____	Lab of Record: _____	Received by Lab: _____	Date: _____	Time: _____

revised 10-11-02 16:25, CLM

UC1.11.2002 4:24PM LONEY ASSOC. NO. 513 P. 2/2



# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2385  
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Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.267.1972  
Fax: 510.267.1972

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

2002-10-0282

69501

## CHAIN OF CUSTODY RECORD

Project Name: <u>Powell Str.</u>				<b>Turnaround Requirements</b> <input checked="" type="checkbox"/> 5 Working Days <input type="checkbox"/> 48 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> 2-3 Hours RUSH <input type="checkbox"/> _____ <b>QC Requirement:</b> <input checked="" type="checkbox"/> Level A (standard)		<b>ANALYSES REQUESTED</b>															
Job No.: <u>1424-9C</u>						TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260 TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range TRPH (418.1) with silica gel column Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX Organochlorine Pesticides (8081) Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260 PAHs (8310) PCBs (8082)	6.02														
Report To: <u>Mark Aruola</u>																					
Sampler (print): <u>Charles Mettler</u>																					
Sampler (signature): <u>CL Mettler</u>																					
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input type="checkbox"/> NO																					
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF																					
Global ID #: _____																					
Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)							
<u>SV-51</u>	<u>10/11/02</u>			<u>Soil</u>	<u>1</u>		<input checked="" type="checkbox"/>														
<u>SV-52</u>	↓			↓	↓		<input checked="" type="checkbox"/>														
<u>SV-53</u>	↓			↓	↓		<input checked="" type="checkbox"/>														
<u>SV-54</u>	↓			↓	↓		<input checked="" type="checkbox"/>														
Relinquished By: <u>CL Mettler</u>				Date: <u>10-11-02</u> Time: <u>12:25</u>		Received By: <u>[Signature]</u>				Date: <u>10/11/02</u> Time: <u>2:05</u>		PM Initial:									
Relinquished By: <u>[Signature]</u>				Date: <u>10/11/02</u> Time: <u>1:31</u>		Received By: <u>[Signature]</u>				Date: <u>10/11/02</u> Time: <u>1:31</u>											
Relinquished By: _____				Date: _____ Time: _____		Lab of Record: _____				Temp: _____											
						Received by Lab: <u>Nounak</u>				Date: <u>10-11-02</u> Time: <u>1:31</u>											

**LOWNEY ASSOCIATES**  
Environmental / Geotechnical / Engineering Services

# Fax Transmittal

**Mountain View Office**  
405 Clyde Avenue  
Mountain View, CA 94043  
Tel: 650.967.2365  
Fax: 650.967.2785

**Oakland Office**  
167 Filbert Street  
Oakland, CA 94607  
Tel: 510.267.1970  
Fax: 510.267.1972

**Fullerton Office**  
251 E. Imperial Hwy #470  
Fullerton, CA 92835  
Tel: 714.441-3090  
Fax: 714.441-3091

**San Ramon Office**  
2258 Camino Ramon  
San Ramon, CA 94583  
Tel: 925.275-2550  
Fax: 925.275-2555

**To:** STLC  
**Attn:** Mr. Vince Vancil  
**Fax:** (925) 484-1096  
**CC:**

**From:** Charles Mettler  
**Date:** May 15, 2002  
**Pages:** (Including Cover)  
**Project:** Centerville  
**Job #:** 1705-1B

Please notify us if you received this fax in error by calling the office indicated above.

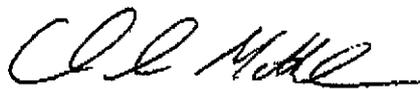
**Remarks:**  Urgent  For your review  Reply ASAP  Please comment

Hi Vince,

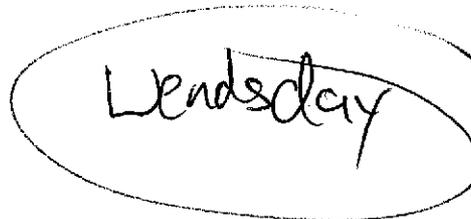
Attached please find a corrected C.O.C. with new sample numbers. In order to avoid duplicate sample numbers (unbeknownst to me we already had samples SV-51 and SV-52), please add 2 to the samples subject of the revised C.O.C. i.e. old: SV-51, new sample number: SV-53  
If you have any questions or if you need any additional information, please let me know.

Thank you very much,

With Best Regards,



**Lowney Associates**  
Charles Mettler  
Environmental Geologist  
(510) 267 1970 Ext. 201  
cmettler@lowney.com



10-16

Due date

### Sample Receipt Checklist

Submission #: 2002- 10 - 0282

Checklist completed by: (initials) CR Date: 10/14/02

Courier name:  STL San Francisco  Client \_\_\_\_\_

- |  |   |
|--|---|
| Custody seals intact on shipping container/samples                     | Yes _____ No _____ Not Present <input checked="" type="checkbox"/>            |
| Chain of custody present?  | Yes <input checked="" type="checkbox"/> No _____                              |
| Chain of custody signed when relinquished and received?                | Yes <input checked="" type="checkbox"/> No _____                              |
| Chain of custody agrees with sample labels?                            | Yes <input checked="" type="checkbox"/> No _____                              |
| Samples in proper container/bottle?                                    | Yes <input checked="" type="checkbox"/> No _____                              |
| Sample containers intact?  | Yes <input checked="" type="checkbox"/> No _____                              |
| Sufficient sample volume for indicated test?                           | Yes <input checked="" type="checkbox"/> No _____                              |
| All samples received within holding time?                              | Yes <input checked="" type="checkbox"/> No _____                              |
| Container/Temp Blank temperature in compliance ( $4^{\circ}C \pm 2$ )? | Temp: <u>6.0</u> °C Yes <input checked="" type="checkbox"/> No _____          |
| Water - VOA vials have zero headspace?                                 | No VOA vials submitted <input checked="" type="checkbox"/> Yes _____ No _____ |

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

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

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: \_\_\_\_\_/\_\_\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:

---



---

Corrective Action (per PM/Client):

---



---

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

Received: 10/17/2002 17:35

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SV-57	10/17/2002	Soil	1
SV-58	10/17/2002	Soil	2
SV-59	10/17/2002	Soil	3
SV-60	10/17/2002	Soil	4

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/17/2002 17:35

**SEVERN**  
**TRENT**  
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Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-57	Lab ID:	2002-10-0387-1
Sampled:	10/17/2002	Extracted:	10/24/2002 09:04
Matrix:	Soil	QC Batch#:	2002/10/24-02_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	23	1.0	mg/Kg	1.00	10/24/2002 16:44	ndp
Motor Oil	190	50	mg/Kg	1.00	10/24/2002 16:44	
<b>Surrogates(s)</b>						
o-Terphenyl	85.1	60-130	%	1.00	10/24/2002 16:44	

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

Received: 10/17/2002 17:35

SEVERN

TRENT

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Fax: (925) 484-1096  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-58	Lab ID:	2002-10-0387 - 2
Sampled:	10/17/2002	Extracted:	10/24/2002 09:04
Matrix:	Soil	QC Batch#:	2002/10/24-02_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	35	1.0	mg/Kg	1.00	10/24/2002 17:22	ndp
Motor Oil	140	50	mg/Kg	1.00	10/24/2002 17:22	
<b>Surrogates(s)</b>						
o-Terphenyl	82.5	60-130	%	1.00	10/24/2002 17:22	

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/17/2002 17:35

SEVERN  
TRENT  
LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-59	Lab ID:	2002-10-0387 - 3
Sampled:	10/17/2002	Extracted:	10/24/2002 09:04
Matrix:	Soil	GC Batch#:	2002/10/24-02:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	6.6	1.0	mg/Kg	1.00	10/24/2002 16:44	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/24/2002 16:44	
<b>Surrogates(s)</b>						
o-Terphenyl	85.6	60-130	%	1.00	10/24/2002 16:44	

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/17/2002 17:35

**SEVERN**  
**TRENT**  
**LABORATORY**

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-60	Lab ID:	2002-10-0387-4
Sampled:	10/17/2002	Extracted:	10/24/2002 09:04
Matrix:	Soil	QC Batch#:	2002/10/24-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/24/2002 17:22	
Motor Oil	ND	50	mg/Kg	1.00	10/24/2002 17:22	
<b>Surrogates(s)</b> o-Terphenyl	74.2	60-130	%	1.00	10/24/2002 17:22	



Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/17/2002 17:35

**SEVERN**  
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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report					
Prep(s): 3550/8015M				Test(s): 8015M	
Method Blank		Soil		QC Batch # 2002/10/24-02.10	
MB: 2002/10/24-02.10-001				Date Extracted: 10/24/2002 09:04	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/24/2002 19:13	
Motor Oil	ND	50	mg/Kg	10/24/2002 19:13	
<b>Surrogates(s)</b>					
o-Terphenyl	87.5	60-130	%	10/24/2002 19:13	

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C  
Powell Street

Received: 10/17/2002 17:35

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www.chromalab.com

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/24-02\_10

LCS 2002/10/24-02\_10-002

Extracted: 10/24/2002

Analyzed: 10/24/2002 17:59

LCSD 2002/10/24-02\_10-003

Extracted: 10/24/2002

Analyzed: 10/24/2002 18:36

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	31.8	29.7	41.7	76.3	71.2	6.9	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.3	17.0	20.0	91.4	84.8		60-130	0		

Submission #: 2002-10-0387

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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Project: 1424-9C

Powell Street

Received: 10/17/2002 17:35

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www.chromalab.com

CA DHS ELAP# 2496

### Legend and Notes

#### Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.2785

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Fax: 714.441.3091

2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-10-0387

Project Name: <u>Rowell Street</u>				<b>Turnaround Requirements</b> <input type="checkbox"/> 5 Working Days <input type="checkbox"/> 48 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> 2-3 Hours RUSH <input checked="" type="checkbox"/> <u>72 hours</u>		<b>ANALYSES REQUESTED</b> 69609																						
Job No.: <u>1424-9c</u>						<table border="1"> <tr> <td>TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260</td> <td rowspan="4" style="text-align: center; vertical-align: middle;"><b>RUSH</b></td> </tr> <tr> <td>TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range</td> </tr> <tr> <td>TRPH (418.1) with silica gel column</td> </tr> <tr> <td>Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX</td> </tr> <tr> <td>Organochlorine Pesticides (8081)</td> <td></td> </tr> <tr> <td>Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM</td> <td></td> </tr> <tr> <td>Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260</td> <td></td> </tr> <tr> <td>PAHs (8310)</td> <td></td> </tr> <tr> <td>PCBs (8082)</td> <td></td> </tr> </table>								TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	<b>RUSH</b>	TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX	Organochlorine Pesticides (8081)		Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM		Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260		PAHs (8310)		PCBs (8082)	
TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	<b>RUSH</b>																											
TPH as diesel (8015M) <input checked="" type="checkbox"/> add silica gel column <input checked="" type="checkbox"/> add Oil Range																												
TRPH (418.1) with silica gel column																												
Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> add BTEX																												
Organochlorine Pesticides (8081)																												
Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM																												
Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260																												
PAHs (8310)																												
PCBs (8082)																												
Report To: <u>Mark Amadio</u>																												
Sampler (print): <u>Charles Mettlo</u>																												
Sampler (signature): <u>CLM</u>																												
Electronic Deliverable Format Required: <input type="checkbox"/> YES <input type="checkbox"/> NO																												
EDF LOGCODE: <input type="checkbox"/> LAMV <input type="checkbox"/> LAO <input type="checkbox"/> LAF																												
Global ID #: _____																												
Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.																							
<u>SV-57</u>	<u>10-17-02</u>		<u>SO:V</u>		<u>1</u>																							
<u>SV-58</u>	}	}	}	}	}																							
<u>SV-59</u>																												
<u>SV-60</u>																												
<u>SP-77</u>																												
<u>SP-78</u> } <u>Comp.</u>																												
<u>SP-79</u>																												
<u>SP-80</u>																												
<u>SP-81</u>																												
<u>SP-82</u> } <u>Comp.</u>																												
<u>SP-83</u>																												
<u>SP-84</u>																												
Relinquished By: <u>CLM</u>	Date: <u>10-17-02</u>	Time: <u>9:00 a.m.</u>	Received By: <u>Mark Amadio</u>	Date: <u>10/17/02</u>	Time: <u>9:00 a.m.</u>	PM Initial:																						
Relinquished By: <u>Mark Amadio</u>	Date: <u>10/17/02</u>	Time: <u>15:55</u>	Received By: <u>[Signature]</u>	Date: <u>10/17/02</u>	Time: <u>15:55</u>																							
Relinquished By: <u>[Signature]</u>	Date: <u>10/17/02</u>	Time: <u>17:35</u>	Lab of Record: <u>STL-SF</u>	Received by Lab: <u>[Signature]</u>	Date: <u>10/17/02</u>	Time: <u>17:35</u>	Temp: <u>3.0°C</u>																					



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 10 - 0387

Checklist completed by: (initials) DSH Date: 10/17/02

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° C ± 2)?

Temp: 3.0 °C 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

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: \_\_\_\_\_/\_\_\_\_\_/02

Client contacted:  Yes  No

Summary of discussion:  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client):  
\_\_\_\_\_  
\_\_\_\_\_

Submission#: 2002-10-0420

October 23, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: Powell Street

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 10/18/2002 18:10

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 12/02/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

### Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-61	10/17/2002	Soil	1
SV-62	10/17/2002	Soil	2
SV-63	10/17/2002	Soil	3
SV-64	10/17/2002	Soil	4

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/18/2002 18:10

SEVERN  
TRENT  
LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: SV-61      Lab ID: 2002-10-0420 - 1  
Sampled: 10/17/2002      Extracted: 10/21/2002 05:35  
Matrix: Soil      QC Batch#: 2002/10/21-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/21/2002 10:12	
Motor Oil	ND	50	mg/Kg	1.00	10/21/2002 10:12	
<b>Surrogates(s)</b>						
o-Terphenyl	55.5	60-130	%	1.00	10/21/2002 10:12	sl



Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

Received: 10/18/2002 18:10

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-62	Lab ID:	2002-10-0420 - 2
Sampled:	10/17/2002	Extracted:	10/21/2002 05:35
Matrix:	Soil	QC Batch#:	2002/10/21-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	6.1	1.0	mg/Kg	1.00	10/21/2002 10:49	ndp
Motor Oil	54	50	mg/Kg	1.00	10/21/2002 10:49	
<b>Surrogates(s)</b>						
o-Terphenyl	90.9	60-130	%	1.00	10/21/2002 10:49	

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/18/2002 18:10

SEVERN  
TRENT  
LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94586

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-63	Lab ID:	2002-10-0420 - 3
Sampled:	10/17/2002	Extracted:	10/21/2002 05:35
Matrix:	Soil	QC Batch#:	2002/10/21-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.5	1.0	mg/Kg	1.00	10/21/2002 11:26	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/21/2002 11:26	
<b>Surrogates(s)</b>						
o-Terphenyl	92.0	60-130	%	1.00	10/21/2002 11:26	

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SV-64	Lab ID:	2002-10-0420 - 4
Sampled:	10/17/2002	Extracted:	10/21/2002 05:35
Matrix:	Soil	QC Batch#:	2002/10/21-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.8	1.0	mg/Kg	1.00	10/21/2002 12:03	ndp
Motor Oil	66	50	mg/Kg	1.00	10/21/2002 12:03	
<b>Surrogates(s)</b>						
o-Terphenyl	86.4	60-130	%	1.00	10/21/2002 12:03	

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Amiola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/18/2002 18:10

**SEVERN**  
**TRENT**  
**LABORATORY**

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/10/21-01 10-001

Soil

Test(s): 8015M

QC Batch # 2002/10/21-01.10

Date Extracted: 10/21/2002 05:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/21/2002 11:54	
Motor Oil	ND	50	mg/Kg	10/21/2002 11:54	
<b>Surrogates(s)</b> o-Terphenyl	70.4	60-130	%	10/21/2002 11:54	

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/21-01.10

LCS 2002/10/21-01.10-002

Extracted: 10/21/2002

Analyzed: 10/21/2002 10:34

LCSD 2002/10/21-01.10-003

Extracted: 10/21/2002

Analyzed: 10/21/2002 11:14

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	31.5	30.4	41.7	75.5	72.9	3.5	60-130	25		
Surrogates(s) o-Terphenyl	17.7	17.4	20.0	88.4	87.1		60-130	0		

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell Street

Received: 10/18/2002 18:10

**SEVERN**  
**TRENT**  
**LABORATORY**

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Pleasanton, CA 94566

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Matrix Spike ( MS / MSD )

Soil

QC Batch # 2002/10/21-01-10

SV-63 >> MS

Lab ID: 2002-10-0420 - 003

MS: 2002/10/21-01-10-004

Extracted: 10/21/2002

Analyzed: 10/21/2002 11:14

Dilution: 1.00

MSD: 2002/10/21-01-10-005

Extracted: 10/21/2002

Analyzed: 10/21/2002 11:54

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Diesel	30.7	32.0	4.55	41.6	62.9	66.1	5.0	60-130	25		
<i>Surrogate(s)</i> o-Terphenyl	16.1	15.8		20.0	80.3	79.2		60-130	0		

Submission #: 2002-10-0420

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell Street

Received: 10/18/2002 18:10

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

---

**Legend and Notes**

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

sl

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





### Sample Receipt Checklist

Submission #: 2002- 10 - 0420

Checklist completed by: (initials) NH Date: 10 / 18 /02

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° C ± 2)? Temp: 2.5 °C 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

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: \_\_\_\_\_ / \_\_\_\_\_ /02

Client contacted:  Yes  No

Summary of discussion: \_\_\_\_\_

Corrective Action (per PM/Client): \_\_\_\_\_

Submission#: 2002-11-0440

November 22, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 11/20/2002 15:39

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 01/04/2003 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](mailto:vvancil@stl-inc.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell

Received: 11/20/2002 15:39

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SV-65	11/20/2002	Soil	1
SV-66	11/20/2002	Soil	2
SV-68	11/20/2002	Soil	4
SV-69	11/20/2002	Soil	5
SV-70	11/20/2002	Soil	6
SV-71	11/20/2002	Soil	7
SV-72	11/20/2002	Soil	8

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell

Received: 11/20/2002 15:39

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: **SV-65**                        Lab ID: 2002-11-0440 - 1  
Sampled: 11/20/2002                      Extracted: 11/20/2002 07:25  
Matrix: Soil                                QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.0	1.0	mg/Kg	1.00	11/21/2002 06:06	ndp
Motor Oil	ND	50	mg/Kg	1.00	11/21/2002 06:06	
<b>Surrogates(s)</b>						
o-Terphenyl	78.2	60-130	%	1.00	11/21/2002 06:06	

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell

Received: 11/20/2002 15:39

**SEVERN**  
**TRENT**  
**LABORATORY**

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: **SV-66**                              Lab ID: 2002-11-0440 - 2  
Sampled: 11/20/2002                              Extracted: 11/20/2002 07:25  
Matrix: Soil    QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	11/21/2002 06:47	ndp
Motor Oil	ND	50	mg/Kg	1.00	11/21/2002 06:47	
<b>Surrogates(s)</b> o-Terphenyl	80.2	60-130	%	1.00	11/21/2002 06:47	

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
1300 Powell

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Fax: (925) 484-1096  
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www.chromalab.com

CA DHS ELAP# 2496

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: **SV-68**                          Lab ID: 2002-11-0440 - 4  
Sampled: 11/20/2002                      Extracted: 11/20/2002 07:25  
Matrix: Soil                                  QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	210	1.0	mg/Kg	1.00	11/21/2002 07:27	ndp
Motor Oil	ND	50	mg/Kg	1.00	11/21/2002 07:27	
<b>Surrogates(s)</b>						
o-Terphenyl	92.3	60-130	%	1.00	11/21/2002 07:27	

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M

Test(s): 8015M

Sample ID: SV-69

Lab ID: 2002-11-0440 - 5

Sampled: 11/20/2002

Extracted: 11/20/2002 07:25

Matrix: Soil

QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/21/2002 08:08	
Motor Oil	ND	50	mg/Kg	1.00	11/21/2002 08:08	
<b>Surrogates(s)</b>						
o-Terphenyl	85.9	60-130	%	1.00	11/21/2002 08:08	

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: **SV-70**                              Lab ID: 2002-11-0440 - 6  
Sampled: 11/20/2002                          Extracted: 11/20/2002 07:25  
Matrix: Soil                                      QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	79	1.0	mg/Kg	1.00	11/21/2002 08:48	ndp
Motor Oil	64	50	mg/Kg	1.00	11/21/2002 08:48	
<b>Surrogates(s)</b>						
o-Terphenyl	88.6	60-130	%	1.00	11/21/2002 08:48	



Submission #: 2002-11-0440

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CA DHS ELAP# 2496

Prep(s): 3550/8015M      Test(s): 8015M  
Sample ID: **SV-71**      Lab ID: 2002-11-0440 - 7  
Sampled: 11/20/2002      Extracted: 11/20/2002 07:25  
Matrix: Soil      QC Batch#: 2002/11/20-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/21/2002 09:29	
Motor Oil	ND	50	mg/Kg	1.00	11/21/2002 09:29	
<b>Surrogates(s)</b>						
o-Terphenyl	85.7	60-130	%	1.00	11/21/2002 09:29	

Submission #: 2002-11-0440

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Prep(s): 3550/8015M                      Test(s): 8015M  
Sample ID: **SV-72**                              Lab ID: 2002-11-0440 - 8  
Sampled: 11/20/2002                          Extracted: 11/21/2002 15:56  
Matrix: Soil                                      QC Batch#: 2002/11/21-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/22/2002 08:46	
Motor Oil	ND	50	mg/Kg	1.00	11/22/2002 08:46	
<b>Surrogates(s)</b>						
o-Terphenyl	85.4	60-130	%	1.00	11/22/2002 08:46	

Submission#: 2002-10-0076

October 04, 2002

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167 Filbert Street  
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Attn.: Mark Arniola

Project#: 1424-9C

Project: 1300 Powell Street

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Pleasanton CA 94566

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CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 10/03/2002 14:15

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 11/17/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

Submission #: 2002-10-0076

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

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Project: 1424-9C

1300 Powell Street

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CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
EB-13 4.5-5	10/02/2002	Soil	2
EB-14 6.5-7	10/02/2002	Soil	7
EB-15 5.5-6	10/02/2002	Soil	10
EB-16 6-6.5	10/02/2002	Soil	13
EB-17 6-6.5	10/02/2002	Soil	16
EB-20 9.5-10	10/02/2002	Soil	28
EB-21 9-9.5	10/02/2002	Soil	32
EB-22 10.5-11	10/02/2002	Soil	37
EB-23 9.5-10	10/02/2002	Soil	42
EB-24 9.5-10	10/02/2002	Soil	47
EB-25 9-9.5	10/02/2002	Soil	51

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-13 4.5-5	Lab ID:	2002-10-0076 - 2
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 06:19	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 06:19	
<b>Surrogates(s)</b>						
o-Terphenyl	81.5	60-130	%	1.00	10/04/2002 06:19	

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-14 6.5-7	Lab ID:	2002-10-0076 - 7
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	10/04/2002 06:57	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 06:57	
<b>Surrogates(s)</b> o-Terphenyl	96.3	60-130	%	1.00	10/04/2002 06:57	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-15 5.5-6	Lab ID:	2002-10-0076 - 10
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.4	1.0	mg/Kg	1.00	10/04/2002 07:34	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 07:34	
<b>Surrogates(s)</b>						
o-Terphenyl	76.1	60-130	%	1.00	10/04/2002 07:34	

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-16 6-6.5	Lab ID:	2002-10-0076 - 13
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4.1	1.0	mg/Kg	1.00	10/04/2002 08:11	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 08:11	
<b>Surrogates(s)</b>						
o-Terphenyl	81.6	60-130	%	1.00	10/04/2002 08:11	



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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-17 6-6.5	Lab ID:	2002-10-0076 - 16
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 08:48	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 08:48	
<b>Surrogates(s)</b> o-Terphenyl	85.8	60-130	%	1.00	10/04/2002 08:48	

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: EB-20 9,5-10 Lab ID: 2002-10-0076 - 28  
Sampled: 10/02/2002 Extracted: 10/3/2002 09:54  
Matrix: Soil QC Batch#: 2002/10/03-05:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1700	25	mg/Kg	25.00	10/04/2002 10:03	ndp
Motor Oil	ND	1300	mg/Kg	25.00	10/04/2002 10:03	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	25.00	10/04/2002 10:03	sd

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-21 9-9.5	Lab ID:	2002-10-0076 - 32
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	750	10	mg/Kg	10.00	10/04/2002 09:26	ndp
Motor Oil	1200	500	mg/Kg	10.00	10/04/2002 09:26	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	10/04/2002 09:26	sd

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-22 10.5-11	Lab ID:	2002-10-0076 - 37
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	190	1.0	mg/Kg	1.00	10/04/2002 08:24	ndp
Motor Oil	180	50	mg/Kg	1.00	10/04/2002 08:24	
<b>Surrogates(s)</b>						
o-Terphenyl	93.1	60-130	%	1.00	10/04/2002 08:24	

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-23 9.5-10	Lab ID:	2002-10-0076 - 42
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 09:02	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 09:02	
<b>Surrogates(s)</b>						
o-Terphenyl	78.3	60-130	%	1.00	10/04/2002 09:02	

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-24 9.5-10	Lab ID:	2002-10-0076 - 47
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1500	25	mg/Kg	25.00	10/04/2002 10:03	ndp
Motor Oil	1300	1300	mg/Kg	25.00	10/04/2002 10:03	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	25.00	10/04/2002 10:03	sd

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB-25 9-9.5	Lab ID:	2002-10-0076 - 51
Sampled:	10/02/2002	Extracted:	10/3/2002 09:54
Matrix:	Soil	QC Batch#:	2002/10/03-05 10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	10/04/2002 07:46	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 07:46	
<b>Surrogates(s)</b>						
o-Terphenyl	83.6	60-130	%	1.00	10/04/2002 07:46	

Submission #: 2002-10-0076

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/10/03-05.10-001

Soil

Test(s): 8015M

QC Batch # 2002/10/03-05.10

Date Extracted: 10/03/2002 09:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/04/2002 07:34	
Motor Oil	ND	50	mg/Kg	10/04/2002 07:34	
<b>Surrogates(s)</b> o-Terphenyl	78.7	60-130	%	10/04/2002 07:34	



Submission #: 2002-10-0076

TEPH w/ Silica Gel Clean-up

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CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/03-05.10

LCS 2002/10/03-05.10-002

Extracted: 10/03/2002

Analyzed: 10/04/2002 06:19

LCSD 2002/10/03-05.10-003

Extracted: 10/03/2002

Analyzed: 10/04/2002 06:57

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	39.4	38.5	41.7	94.5	92.3	2.4	60-130	25		
<b>Surrogates(s)</b> o-Terphenyl	18.0	17.6	20.0	90.0	88.1		60-130	0		

Submission #: 2002-10-0076

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

1300 Powell Street

Received: 10/03/2002 14:15

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

---

**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.

**CHAIN OF CUSTODY RECORD**

2002-10-0096

69297

Project Name: 1300 Powell Street  
Job No.: 1424-9C  
Report To: Mark Arniola  
Sampler (print): Charles Mettler  
Sampler (signature): *Charles Mettler*  
Electronic Deliverable Format Required:  YES  NO  
EDF LOGCODE:  LAMV  LAO  LAF  
Global ID #:

Turnaround Requirements  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH

QC Requirement:  
 Level A (standard)

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	ANALYSES REQUESTED										Remarks	
						TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)			
EB-13 4-4 1/2	10/2/02			Soil	1												Hold
EB-13 4 1/2-5																	
EB-13 6-6 1/2																	
EB-13 7 1/2-8																	Hold
EB-14 3-3 1/2																	Remarks
EB-14 5-5 1/2																	
EB-14 6 1/2-7																	
EB-14 7 1/2-8																	
EB-15 2 1/2-3																	Hold
EB-15 5 1/2-6																	
EB-15 7-7 1/2																	
EB-16 3-3 1/2																	Hold
Relinquished By: <i>Charles Mettler</i> Date: 10-3-02 Time: 8:00						Received By: <i>Mark Arniola</i> Date: 10/3/02 Time: 8:00						PM Initial:					
Relinquished By: <i>Mark Arniola</i> Date: 10/3/02 Time: 1:30						Received By: <i>[Signature]</i> Date: 10-4 Time: 1:30											
Relinquished By: _____ Date: _____ Time: _____						Lab of Record: _____						Temp: _____					
						Received by Lab: <i>Nounak</i> Date: 10-3-02 Time: 1415						6.0°C					

**RUSH**



Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.2365

Oakland Office  
167 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1972

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

2002-10-0076

**CHAIN OF CUSTODY RECORD**

Project Name: 1300 Powell Street  
Job No.: 1424-9C  
Report To: Mark Arniola  
Sampler (print): Charles Mettler  
Sampler (signature): *Charles Mettler*  
Electronic Deliverable Format Required:  YES  NO  
EDF LOGCODE:  LAMV  LAO  LAF  
Global ID #:

Turnaround Requirements  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH

QC Requirement:  
 Level A (standard)

ANALYSES REQUESTED											
TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)			

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE	TPH as diesel (8015M)	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list)	Organochlorine Pesticides (8081)	Metals: As, Pb, Hg 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)	Remarks
EB-20 3 1/2-4	10/2/02			Soil	1										Hold
EB-20 6-6 1/2															↓
EB-20 7-7 1/2															↓
EB-20 9 1/2-10															↓
EB-21 3 1/2-4															↓
EB-21 6-6 1/2															Hold
EB-21 7-7 1/2															↓
EB-21 9-9 1/2															↓
EB-21 11-11 1/2															↓
EB-22 3 1/2-4															Hold
EB-22 5 1/2-6															↓
EB-22 7-7 1/2															↓

**RUSH**

Relinquished By: <i>Charles Mettler</i> Date: 10-3-02 Time: 8:00	Received By: <i>Mark Arniola</i> Date: 10/3/02 Time: 8:00	PM Initial:
Relinquished By: <i>Mark Arniola</i> Date: 10/3/02 Time: 1:30	Received By: <i>M. Arniola</i> Date: 10-4 Time: 1:30	
Relinquished By: _____ Date: _____ Time: _____	Lab of Record: _____	Temp: _____
Received by Lab: <i>NOUNAK</i> Date: 10-03 Time: 145		

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.947.2365  
Fax: 650.947.2365

Oakland Office  
167 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1970

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

2002-10-0070

69297

## CHAIN OF CUSTODY RECORD

Project Name: 1300 Powell Street  
 Job No.: 1424-9c  
 Report To: Mark Arniola  
 Sampler (print): Charles Mettler  
 Sampler (signature): C.L. Mettler  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID #:

### Turnaround Requirements

- 5 Working Days
- 48 Hours
- 24 Hours
- 2-3 Hours RUSH
- \_\_\_\_\_

QC Requirement:  
 Level A (standard)

### ANALYSES REQUESTED

TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)												
--	--	-------------------------------------	--	----------------------------------	---	---	-------------	-------------	--	--	--	--	--	--	--	--	--	--	--	--

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)							
EB-22 10 1/2-11	10/2/02			Soil	1		<input checked="" type="checkbox"/>														
EB-22 11 1/2-12																					
EB-23 3 1/2-4																					Hold
EB-23 5 1/2-6																					
EB-23 7-7 1/2																					Remarks
EB-23 9 1/2-10							<input checked="" type="checkbox"/>														
EB-23 10 1/2-11																					
EB-24 3 1/2-4																					Hold
EB-24 5 1/2-6																					
EB-24 7-7 1/2																					
EB-24 9 1/2-10							<input checked="" type="checkbox"/>														
EB-24 11-11 1/2																					Hold

**RUSH**

Relinquished By: C.L. Mettler Date: 10-3-02 Time: 8:00 Received By: Mark Arniola Date: 10/3/02 Time: 8:00 PM Initial:  
 Relinquished By: Mark Arniola Date: 10/3/02 Time: 1:30 Received By: M. Arniola Date: 10-24 Time: 130  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Lab of Record: \_\_\_\_\_ Temp: \_\_\_\_\_  
 Received by Lab: NOUNAK. Date: 10-03 Time: 1415

2002-10-0046

69297

**CHAIN OF CUSTODY RECORD**

Project Name: 1300 Powell Street  
 Job No.: 1424-9C  
 Report To: Mark Arniola  
 Sampler (print): Charles Mettler  
 Sampler (signature): *CL Mettler*  
 Electronic Deliverable Format Required:  YES  NO  
 EDF LOGCODE:  LAMV  LAO  LAF  
 Global ID #:

Turnaround Requirements  
 5 Working Days  
 48 Hours  
 24 Hours  
 2-3 Hours RUSH  
 \_\_\_\_\_  
 QC Requirement:  
 Level A (standard)

						ANALYSES REQUESTED															
Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)							
EB-25 4 1/2-5	10/2/02			Soil	1																Hold
EB-25 7-7 1/2	↓			↓	↓																↓
EB-25 9-9 1/2	↓			↓	↓		X														Hold
EB-25 10-10 1/2	↓			↓	↓																Hold
																					Remarks

**RUSH**

Relinquished By: <i>Charles Mettler</i>	Date: 10-3-02	Time: 8:00	Received By: <i>Mark Arniola</i>	Date: 10/3/02	Time: 8:00	PM Initial:	
Relinquished By: <i>Mark Arniola</i>	Date: 10/3/02	Time: 1:30	Received By: <i>W.R. [Signature]</i>	Date: 10-4	Time: 1:30		
Relinquished By:	Date:	Time:	Lab of Record:	Received by Lab: <i>Nounak</i>	Date: 10-3	Time: 1415	Temp:



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 10 - 0076

Checklist completed by: (initials) DSH Date: 10 / 03 /02

Courier name:  STL San Francisco  Client World Courier

- |  |  |   |   |
|--|--|---|---|
| Custody seals intact on shipping container/samples         | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>             | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                                  | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Chain of custody signed when relinquished and received?    | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Chain of custody agrees with sample labels?                | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Samples in proper container/bottle?                        | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Sample containers intact?                                  | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Sufficient sample volume for indicated test?               | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| All samples received within holding time?                  | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>             |   |
| Container/Temp Blank temperature in compliance (4° C ± 2)? | Temp: <u>6.0</u> °C  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>                     |
| Water - VOA vials have zero headspace?                     | No VOA vials submitted <input checked="" type="checkbox"/> | Yes <input type="checkbox"/>            | No <input type="checkbox"/>                     |

(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

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: \_\_\_\_\_ / \_\_\_\_\_ /02

Client contacted:  Yes  No

Summary of discussion: \_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client): \_\_\_\_\_  
\_\_\_\_\_



Submission#: 2002-10-0146

October 08, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Mountain View**

405 Clyde Avenue

Mountain View, CA 94043-2209

Attn.: Beock Foster

Project#: 1300 Powell St.

Project: 1424-9C

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Attached is our report for your samples received on 10/03/2002 00:00  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
11/17/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager

**Submission #: 2002-10-0146**

**TEPH w/ Silica Gel Clean-up**

Lowney & Associates Mountain View

Attn.: Beock Foster

405 Clyde Avenue

Mountain View, CA 94043-2209

Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 1300 Powell St.  
1424-9C

Received: 10/03/2002

**SEVERN**

**TRENT**

**LABORATORY**

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

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

CA DHS ELAP# 2496

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
EB19-9.5-10	10/02/2002	Soil	1

Submission #: 2002-10-0146

TEPH w/ Silica Gel Clean-up

Lowney & Associates Mountain View

Attn.: Beock Foster  
405 Clyde Avenue  
Mountain View, CA 94043-2209  
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 1300 Powell St.  
1424-9C

Received: 10/03/2002

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	EB19-9.5-10	Lab ID:	2002-10-0146 - 1
Sampled:	10/02/2002	Extracted:	10/7/2002 08:10
Matrix:	Soil	QC Batch#:	2002/10/07-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	45	1.0	mg/Kg	1.00	10/08/2002 10:28	ndp
Motor Oil	59	50	mg/Kg	1.00	10/08/2002 10:28	
<b>Surrogates(s)</b>						
o-Terphenyl	73.2	60-130	%	1.00	10/08/2002 10:28	

Submission #: 2002-10-0146

TEPH w/ Silica Gel Clean-up

Lowney & Associates Mountain View

Attn.: Beock Foster

405 Clyde Avenue

Mountain View, CA 94043-2209

Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 1300 Powell St.  
1424-9C

Received: 10/03/2002

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Method Blank

MB: 2002/10/07-02.10-001

Soil

Test(s): 8015M

QC Batch # 2002/10/07-02.10

Date Extracted: 10/07/2002 08:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/07/2002 15:40	
Motor Oil	ND	50	mg/Kg	10/07/2002 15:40	
<b>Surrogates(s)</b> o-Terphenyl	75.7	60-130	%	10/07/2002 15:40	

Submission #: 2002-10-0146

TEPH w/ Silica Gel Clean-up

Lowney & Associates Mountain View

Attn.: Beock Foster  
405 Clyde Avenue  
Mountain View, CA 94043-2209  
Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 1300 Powell St.  
1424-9C

Received: 10/03/2002

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/07-02.10

LCS 2002/10/07-02.10-002

Extracted: 10/07/2002

Analyzed: 10/07/2002 14:25

LCSD 2002/10/07-02.10-003

Extracted: 10/07/2002

Analyzed: 10/07/2002 15:03

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	40.7	42.0	41.4	98.3	101.0	2.7	60-130	25		
Surrogates(s) o-Terphenyl	17.5	18.1	20.0	87.7	90.3		60-130	0		

Submission #: 2002-10-0146

TEPH w/ Silica Gel Clean-up

Lowney & Associates Mountain View

Attn.: Beock Foster

405 Clyde Avenue

Mountain View, CA 94043-2209

Phone: (650) 967-2365 Fax: (650) 967-2785

Project: 1300 Powell St.  
1424-9C

Received: 10/03/2002

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

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Legend and Notes

---

**Result Flag**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard



Submission#: 2002-10-0097

October 08, 2002

SEVERN

TRENT

LABORATORY

**Lowney & Associates Oakland**

167 Filbert Street  
Oakland, Ca 94607

Attn.: Mark Arniola

Project#: 1424-9C

Project: Powell St.

STL San Francisco  
1220 Quarry Ln  
Pleasanton CA 94566

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

CA DHS ELAP#:2496

Dear Mr. Arniola,

Attached is our report for your samples received on 10/04/2002 10:05

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

Please note that any unused portion of the samples will be discarded after 11/18/2002 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@chromalab.com](mailto:vvancil@chromalab.com)

Sincerely,



Vincent Vancil  
Project Manager



Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
ST-1 7.5'	10/03/2002	Soil	3
ST-2 5.5'	10/03/2002	Soil	7
ST-3 7.5'	10/03/2002	Soil	9
ST-4 7.5'	10/03/2002	Soil	12
ST-5W 7.5'	10/03/2002	Soil	17
ST-5S 7.5'	10/03/2002	Soil	18
ST-6 7.5'	10/03/2002	Soil	21
ST-7E 6.5'	10/03/2002	Soil	23
ST-7N 7.5'	10/03/2002	Soil	25
ST-8 4.5'	10/03/2002	Soil	29
ST-8 6.5'	10/03/2002	Soil	30

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s): 3550/8015M Test(s): 8015M  
Sample ID: ST-1 7.5 Lab ID: 2002-10-0097 - 3  
Sampled: 10/03/2002 Extracted: 10/4/2002 08:26  
Matrix: Soil QC Batch#: 2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	170	10	mg/Kg	10.00	10/04/2002 20:31	ndp
Motor Oil	1200	500	mg/Kg	10.00	10/04/2002 20:31	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	10/04/2002 20:31	sd

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

SEVERN

TRENT

LABORATORY

STL San Francisco  
1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-2 5.5'	Lab ID:	2002-10-0097 - 7
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 21:16	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 21:16	
<b>Surrogates(s)</b>						
o-Terphenyl	81.9	60-130	%	1.00	10/04/2002 21:16	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-3 7.5	Lab ID:	2002-10-0097 - 9
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	470	5.0	mg/Kg	5.00	10/07/2002 11:06	ndp
Motor Oil	380	250	mg/Kg	5.00	10/07/2002 11:06	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	5.00	10/07/2002 11:06	sd

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

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167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-4 7.5	Lab ID:	2002-10-0097 - 12
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 21:53	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 21:53	
<b>Surrogates(s)</b>						
o-Terphenyl	72.1	60-130	%	1.00	10/04/2002 21:53	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola  
167 Filbert Street  
Oakland, Ca 94607  
Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

**SEVERN**  
**TRENT**  
**LABORATORY**

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1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-5W 7.5	Lab ID:	2002-10-0097 - 17
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 22:30	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 22:30	
<b>Surrogates(s)</b>						
o-Terphenyl	71.9	60-130	%	1.00	10/04/2002 22:30	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-5S 7.5	Lab ID:	2002-10-0097 - 18
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	59	1.0	mg/Kg	1.00	10/04/2002 21:16	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 21:16	
<i>Surrogates(s)</i>						
o-Terphenyl	67.5	60-130	%	1.00	10/04/2002 21:16	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

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Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-6 7.5	Lab ID:	2002-10-0097 - 21
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	580	10	mg/Kg	10.00	10/04/2002 21:51	ndp
Motor Oil	1300	500	mg/Kg	10.00	10/04/2002 21:51	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	10/04/2002 21:51	sd



Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-7E 6.5	Lab ID:	2002-10-0097 - 23
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	500	10	mg/Kg	10.00	10/04/2002 22:31	ndp
Motor Oil	2100	500	mg/Kg	10.00	10/04/2002 22:31	
<b>Surrogates(s)</b>						
o-Terphenyl	NA	60-130	%	10.00	10/04/2002 22:31	sd

Submission #: 2002-10-0097

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Project: 1424-9C

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-7N 7.5	Lab ID:	2002-10-0097 - 25
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	15	1.0	mg/Kg	1.00	10/04/2002 22:30	ndp
Motor Oil	100	50	mg/Kg	1.00	10/04/2002 22:30	
<b>Surrogates(s)</b>						
o-Terphenyl	84.4	60-130	%	1.00	10/04/2002 22:30	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

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Oakland, Ca 94607

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Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

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www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-8 4.5	Lab ID:	2002-10-0097 - 29
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1.2	1.0	mg/Kg	1.00	10/04/2002 21:53	ndp
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 21:53	
<i>Surrogates(s)</i>						
o-Terphenyl	87.1	60-130	%	1.00	10/04/2002 21:53	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

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www.stl-inc.com  
www.chromalab.com

CA DHS ELAP# 2496

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	ST-8.6.5	Lab ID:	2002-10-0097 - 30
Sampled:	10/03/2002	Extracted:	10/4/2002 08:26
Matrix:	Soil	QC Batch#:	2002/10/04-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	10/04/2002 20:39	
Motor Oil	ND	50	mg/Kg	1.00	10/04/2002 20:39	
<b>Surrogates(s)</b>						
o-Terphenyl	68.8	60-130	%	1.00	10/04/2002 20:39	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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STL San Francisco  
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Pleasanton, CA 94566

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

CA DHS ELAP# 2496

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2002/10/04-02-10-001

Soil

Test(s): 8015M

QC Batch # 2002/10/04-02-10

Date Extracted: 10/04/2002 08:26

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	10/04/2002 17:32	
Motor Oil	ND	50	mg/Kg	10/04/2002 17:32	
<b>Surrogates(s)</b> o-Terphenyl	72.6	60-130	%	10/04/2002 17:32	

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

Lowney & Associates Oakland

Attn.: Mark Arniola

167 Filbert Street

Oakland, Ca 94607

Phone: (510) 267-1970 Fax: (510) 267-1972

Project: 1424-9C  
Powell St.

Received: 10/04/2002 10:05

**SEVERN**  
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**LABORATORY**

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1220 Quarry Lane  
Pleasanton, CA 94566

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

CA DHS ELAP# 2496

**Batch QC Report**

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2002/10/04-02.10

LCS 2002/10/04-02.10-002

Extracted: 10/04/2002

Analyzed: 10/04/2002 16:17

LCSD 2002/10/04-02.10-003

Extracted: 10/04/2002

Analyzed: 10/04/2002 16:54

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	37.4	36.7	41.6	89.9	88.6	1.5	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	16.8	16.4	20.0	84.1	82.0		60-130	0		

Submission #: 2002-10-0097

TEPH w/ Silica Gel Clean-up

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Project: 1424-9C

Powell St.

Received: 10/04/2002 10:05

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www.chromalab.com

CA DHS ELAP# 2496

---

**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.





# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
Fax: 650.967.2705

Oakland Office  
129 Filbert St.  
Oakland 94607  
Tel: 510.267.1970  
Fax: 510.267.1970

Fullerton Office  
251 E. Imperial Hwy. #470  
Fullerton 92835  
Tel: 714.441.3090  
Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-10-0097 69333

Project Name: Powell St.

Job No.: 1424-9c

Report To: Mark Arniola

Sampler (print): Charles Mattlo

Sampler (signature): CL Mattlo

Electronic Deliverable Format Required:  YES  NO

EDF LOGCODE:  LAMV  LAO  LAF

Global ID #: \_\_\_\_\_

**Turnaround Requirements**

Working Days

48 Hours

24 Hours

2-3 Hours RUSH

\_\_\_\_\_

**QC Requirement:**

Level A (standard)

## ANALYSES REQUESTED

RUSH

TPH as gas/BTEX/MTBE Method:  8015/8021  8260

TPH as diesel (8015M)  Add silica gel column  Add Oil Range

TRPH (418.1) with silica gel column

Halogenated VOCs (former 8010 list) Method:  8021  8260  Add BTEX

Organochlorine Pesticides (8081)

Metals:  As, Pb, Hg  17 CAM

Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260

PAHs (8310)

PCBs (8082)

RUSH

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)
13 ST-5N 4 1/2	10-3-02			soil	1									
14 ST-5N 7 1/2														
15 ST-5E 4 1/2														
16 ST-5E 7 1/2														
17* ST-5W 7 1/2							✓							
18* ST-5 7 1/2							✓							
19 ST-5 9														
20 ST-6 4 1/2														
21* ST-6 7 1/2							✓							
22 ST-6 9														
23* ST-7E 6 1/2							✓							
24 ST-7N 9'														

Relinquished By: CL Mattlo Date: 10-4-02 Time: 9:15 Received By: [Signature] Date: 10-4-02 Time: 09:15 PM Initial: \_\_\_\_\_

Relinquished By: [Signature] Date: 10-4-02 Time: 10:05 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Lab of Record: \_\_\_\_\_ Temp: \_\_\_\_\_

Received by Lab: Nounak Date: 10-4-02 Time: 10:05

# LOWNEY ASSOCIATES

Environmental/Geotechnical/Engineering Services

Mountain View Office  
405 Clyde Ave.  
Mountain View 94043  
Tel: 650.967.2365  
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Fax: 714.441.3091

San Ramon Office  
2258 Camino Ramon  
San Ramon 94583  
Tel: 925.275.2555  
Fax: 925.275.2555

## CHAIN OF CUSTODY RECORD

2002-10-0097

69333

Project Name: Powell St.

Job No.: 1424-9c

Report To: Mark Arniola

Sampler (print): Charles Mettler

Sampler (signature): CL Mettler

Electronic Deliverable Format Required:  YES  NO

EDF LOGCODE:  LAMV  LAO  LAF

Global ID #: \_\_\_\_\_

**Turnaround Requirements**

5 Working Days

48 Hours

24 Hours

2-3 Hours RUSH

\_\_\_\_\_

**QC Requirement:**  
 Level A (standard)

### ANALYSES REQUESTED

TPH as gas/BTEX/MTBE Method: <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 8260	TPH as diesel (8015M) Method: <input checked="" type="checkbox"/> Add silica gel column <input checked="" type="checkbox"/> Add Oil Range	TRPH (418.1) with silica gel column	Halogenated VOCs (former 8010 list) Method: <input type="checkbox"/> 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> Add BTEX	Organochlorine Pesticides (8081)	Metals: <input type="checkbox"/> As, Pb, Hg <input type="checkbox"/> 17 CAM	Fuel Oxygenates (MTBE, ETBE, TAME, DIPE, TBA, 1,2-DCA, and EDB) by 8260	PAHs (8310)	PCBs (8082)												
--	--	-------------------------------------	--	----------------------------------	---	---	-------------	-------------	--	--	--	--	--	--	--	--	--	--	--	--

**RUSH**

Sample I.D. (Field Point Name)	Date	Time	Lab I.D.	Sample Matrix	No. of Cont.	TPH as gas/BTEX/MTBE	TPH as diesel (8015M)	TRPH (418.1)	Halogenated VOCs	Organochlorine Pesticides	Metals	Fuel Oxygenates	PAHs	PCBs							
25 * ST-7 N 7 1/2	10-3-02			soil	1		✓														
26 ST-7 W 4'																					
27 ST-7 W 7 1/2																					
28 ST-7 9'																					
29 * ST-8 4 1/2							✓														
30 * ST-8 6 1/2							✓														

Relinquished By: CL Mettler Date: 10-4-02 Time: 9:15

Relinquished By: [Signature] Date: 10-4-02 Time: 10:05

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: [Signature] Date: 10-4-02 Time: 0915

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Lab of Record: \_\_\_\_\_

Received by Lab: Norwalk Date: 10-4-02 Time: 1005

PM Initial: \_\_\_\_\_

Temp: 2.7



STL San Francisco

### Sample Receipt Checklist

Submission #: 2002- 10 - 0097

Checklist completed by: (Initials) NK Date: 10 / 04 /02

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° C ± 2)?

Temp: 27 °C 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

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: \_\_\_\_\_ / \_\_\_\_\_ /02

Client contacted:  Yes  No

Summary of discussion:

Corrective Action (per PM/Client):