

## Detterman, Mark, Env. Health

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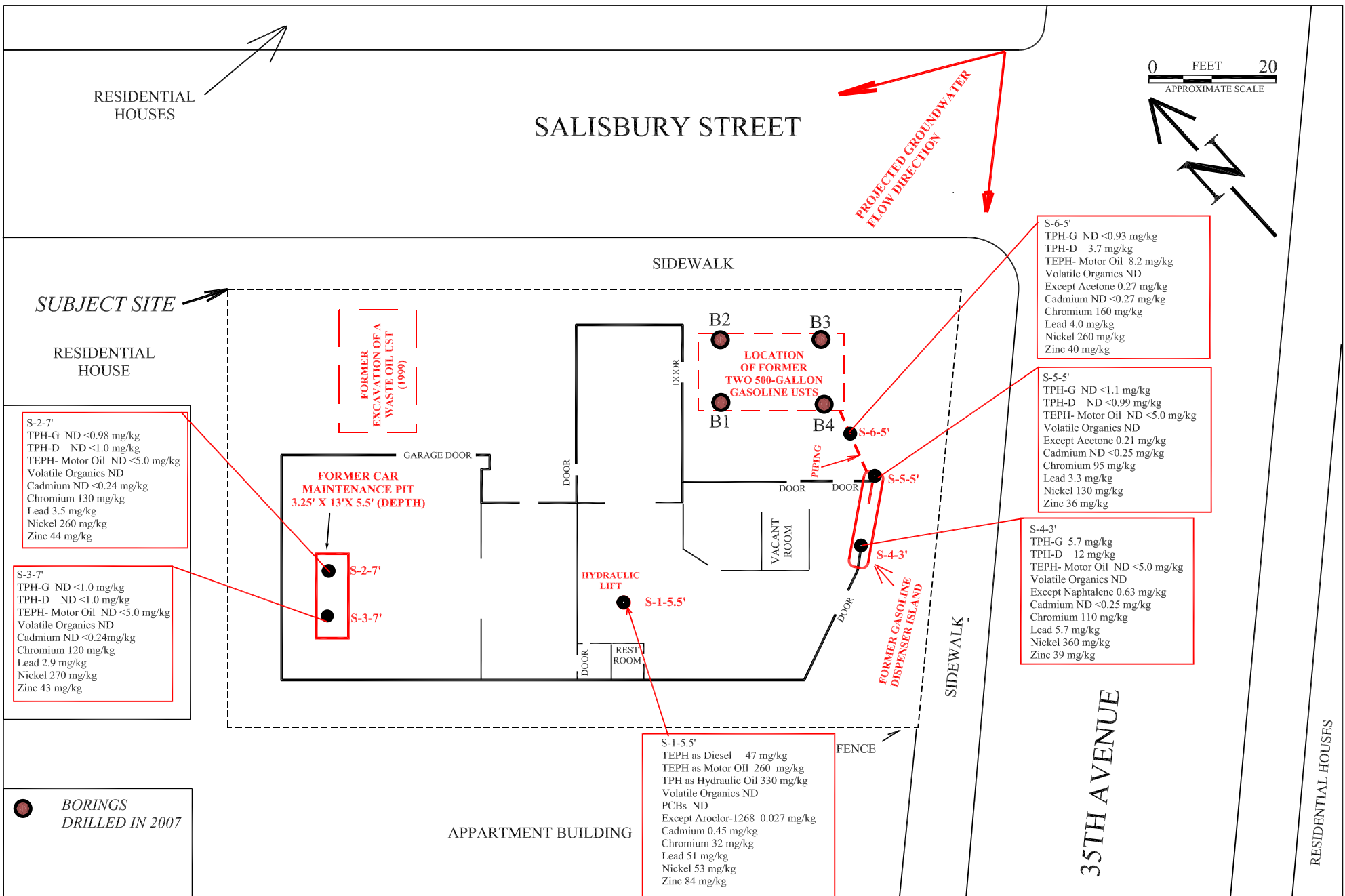
**From:** Sami Malaeb [s.malaeb@comcast.net]  
**Sent:** Tuesday, January 24, 2012 11:34 AM  
**To:** Detterman, Mark, Env. Health  
**Cc:** britpete@aol.com; 'Eagle Environmental Construction'; 'Colisa McFadden'  
**Subject:** Analytical Results for the Soil Samples Collected at 2145 35th Avenue, Oakland, CA  
**Attachments:** Sampling Locations and Results for PIT, Lift, Piping, and Island.PDF; Lab Results for the lift Excavation Sample.pdf; LAB Results for Pit Dispenser Island and piping.pdf

Hi Mark:

Attached please find a figure depicting the analytical results from the Hydraulic Lift Excavation, Maintenance Pit Excavation, and from the Dispenser Island and Piping Trench at 2145 35<sup>th</sup> Avenue in Oakland. Also, I attached the lab results.

Regards,

Sami Malaeb, P.E., R.E.A.  
TEL: (925) 858-9608  
Email: [s.malaeb@comcast.net](mailto:s.malaeb@comcast.net)





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Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 233709**  
**ANALYTICAL REPORT**

Eagle Env. Construction 3150 Hilltop Mall Road, Suite 7 Richmond, CA 94806	Project : 2145 35TH AVENUE Location : 2145 35th Ave.-Salisbury, Oakland, CA Level : II
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Sample ID  
S-1-5.5'

Lab ID  
233709-001

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:   
Project Manager

Date: 01/17/2012

NELAP # 01107CA

## CASE NARRATIVE

Laboratory number: 233709  
Client: Eagle Env. Construction  
Project: 2145 35TH AVENUE  
Location: 2145 35th Ave.-Salisbury, Oakland, CA  
Request Date: 01/11/12  
Samples Received: 01/11/12

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 01/11/12. The sample was received cold and intact.

### TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

### Volatile Organics by GC/MS (EPA 8260B):

High recoveries were observed for 1,1-dichloroethene and trichloroethene in the MS/MSD for batch 182834; the parent sample was not a project sample, the BS/BSD were within limits, the associated RPDs were within limits, and these analytes were not detected at or above the RL in the associated sample. Low surrogate recoveries were observed for dibromofluoromethane in the MS/MSD for batch 182834; the parent sample was not a project sample. No other analytical problems were encountered.

### PCBs (EPA 8082):

All samples underwent sulfuric acid cleanup using EPA Method 3665A. All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. Matrix spikes QC625035, QC625036 (batch 182865) were not analyzed because the parent sample required a dilution that would have diluted out the spikes. No other analytical problems were encountered.

### Metals (EPA 6010B):

High recoveries were observed for nickel and zinc in the MS/MSD of S-1-5.5' (lab # 233709-001); the BS/BSD were within limits, and the associated RPDs were within limits. No other analytical problems were encountered.

# CHAIN OF CUSTODY

Geotracker Global ID: T0619778840

Chain of Custody # \_\_\_\_\_

2323 Fifth Street  
 Berkeley, CA 94710  
 2145 35th Ave.  
 Phone (510) 486-0900  
 Fax (510) 486-0532

C&T LOGIN # 233709

Project No: SALISBURY, Oakland, CA Sampler: EFC SAM  
 Project Name: \_\_\_\_\_ Report To: SAMI MALAEB  
 Project P. O. No: \_\_\_\_\_ Company: EFC  
 EDD Format: Report Level  II  III  IV Telephone: (925) 858-9608  
 Turnaround Time:  RUSH  Standard Email: S.M

ANALYTICAL REQUEST											
X											
X											
X											
X											

*Metals (Hydrate Oil)  
 TPH-D - TPH - TSS - TSS - TSS  
 With Silica Sol Cleanup*

*4UFI 5 Metals  
 Volatile Organics (8260)  
 PCBs*

Lab No.	Sample ID.	SAMPLING		MATRIX		# of Containers	CHEMICAL PRESERVATIVE				
		Date Collected	Time Collected	Water	Solid		HCl	H2SO4	HNO3	NaOH	None
1	S-1-5.5' Field ID: S-1	01/11/12	2:30pm	✓		2					

Notes:	SAMPLE RECEIPT <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Cold <input type="checkbox"/> On Ice <input type="checkbox"/> Ambient	RELINQUISHED BY:		RECEIVED BY:	
		<i>[Signature]</i> DATE: 01/11/12 TIME: _____		<i>[Signature]</i> DATE: 1/11/12 TIME: 14:00	
		DATE: _____ TIME: _____		DATE: _____ TIME: _____	
		DATE: _____ TIME: _____		DATE: _____ TIME: _____	

COOLER RECEIPT CHECKLIST



Login # 233709 Date Received 11/11/12 Number of coolers 1
Client EEC Project 2145 35th AVE. WALSBURG, OAKLAND, CA

Date Opened 11/11/12 By (print) I. CHOI (sign) [Signature]
Date Logged in [check] By (print) [check] (sign) [check]

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... [ ] YES (circle) on cooler on samples [X] NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO [N/A]

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)

- [ ] Bubble Wrap [ ] Foam blocks [ ] Bags [X] None
[ ] Cloth material [ ] Cardboard [ ] Styrofoam [ ] Paper towels

7. Temperature documentation: \* Notify PM if temperature exceeds 6°C

Type of ice used: [ ] Wet [X] Blue/Gel [ ] None Temp(°C) 4.5°C

[ ] Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

[X] Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are there any missing / extra samples? YES NO

11. Are samples in the appropriate containers for indicated tests? YES NO

12. Are sample labels present, in good condition and complete? YES NO

13. Do the sample labels agree with custody papers? YES NO

14. Was sufficient amount of sample sent for tests requested? YES NO

15. Are the samples appropriately preserved? YES NO N/A

16. Did you check preservatives for all bottles for each sample? YES NO N/A

17. Did you document your preservative check? YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? YES NO N/A

21. Was the client contacted concerning this sample delivery? YES NO
If YES, Who was called? By Date:

COMMENTS

Multiple horizontal lines for handwritten comments.

Total Extractable Hydrocarbons		
Lab #:	233709	Location: 2145 35th Ave.--Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Field ID:	S-1-5.5'	Batch#: 182789
Matrix:	Soil	Sampled: 01/11/12
Units:	mg/Kg	Received: 01/11/12
Basis:	as received	Prepared: 01/11/12
Diln Fac:	1.000	Analyzed: 01/12/12

Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233709-001

Analyte	Result	RL
Diesel C10-C24	47 Y	1.0
Motor Oil C24-C36	260	5.0
Hydraulic Fluid, C12-40	330	5.0

Surrogate	%REC	Limits
o-Terphenyl	64	49-128

Type: BLANK Cleanup Method: EPA 3630C  
 Lab ID: QC624739

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0
Hydraulic Fluid, C12-40	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	82	49-128

Y= Sample exhibits chromatographic pattern which does not resemble standard  
 ND= Not Detected  
 RL= Reporting Limit



## Batch QC Report

Total Extractable Hydrocarbons		
Lab #:	233709	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Type:	LCS	Diln Fac: 1.000
Lab ID:	QC624740	Batch#: 182789
Matrix:	Soil	Prepared: 01/11/12
Units:	mg/Kg	Analyzed: 01/12/12

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.44	46.65	92	47-132

Surrogate	%REC	Limits
o-Terphenyl	100	49-128

## Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	233709	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 3550B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	182789
MSS Lab ID:	233677-001	Sampled:	01/10/12
Matrix:	Soil	Received:	01/10/12
Units:	mg/Kg	Prepared:	01/11/12
Basis:	as received	Analyzed:	01/12/12
Diln Fac:	3.000		

Type: MS Lab ID: QC624741

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	389.7	50.07	412.7	46 NM	32-143

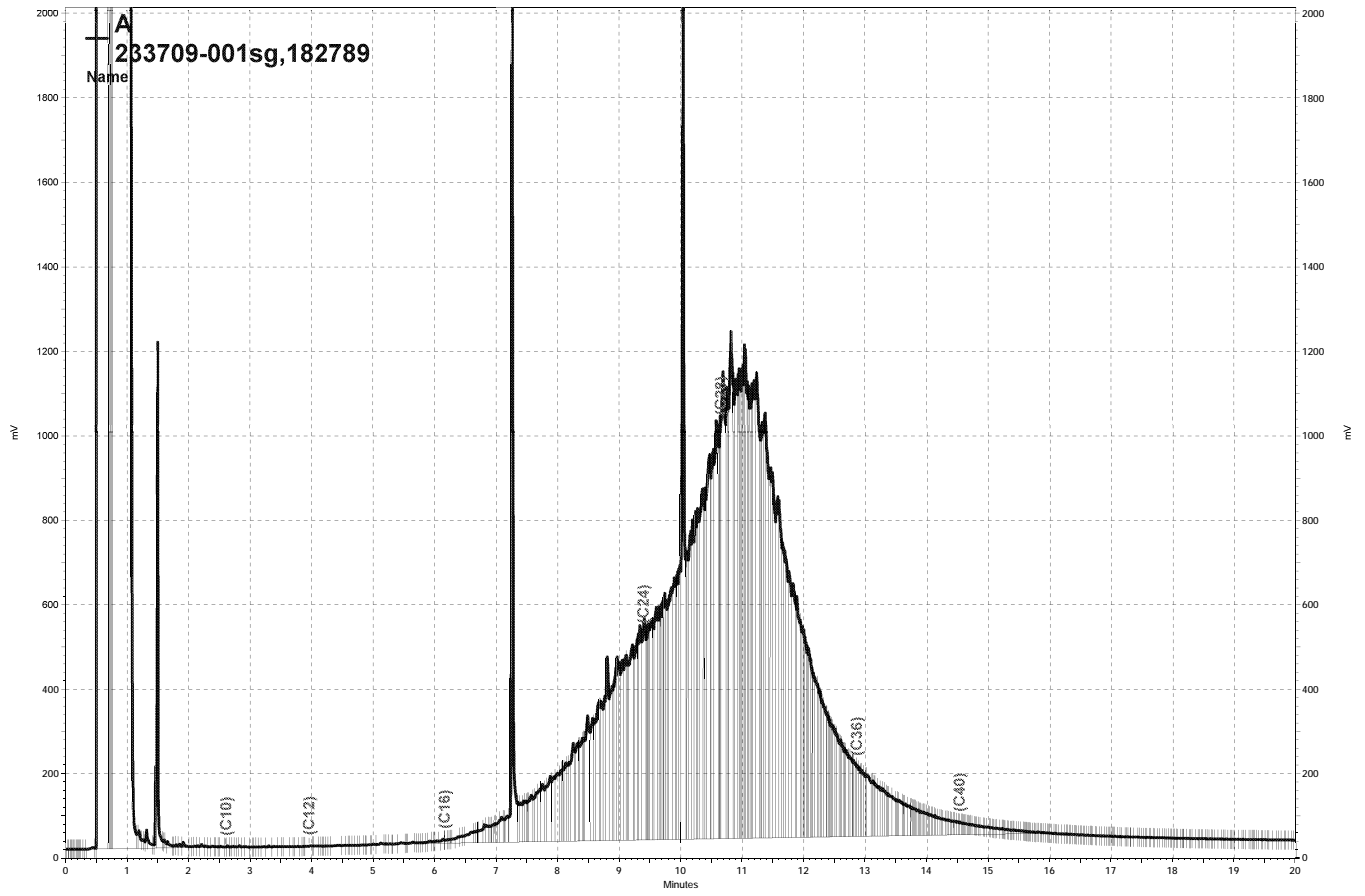
Surrogate	%REC	Limits
o-Terphenyl	89	49-128

Type: MSD Lab ID: QC624742

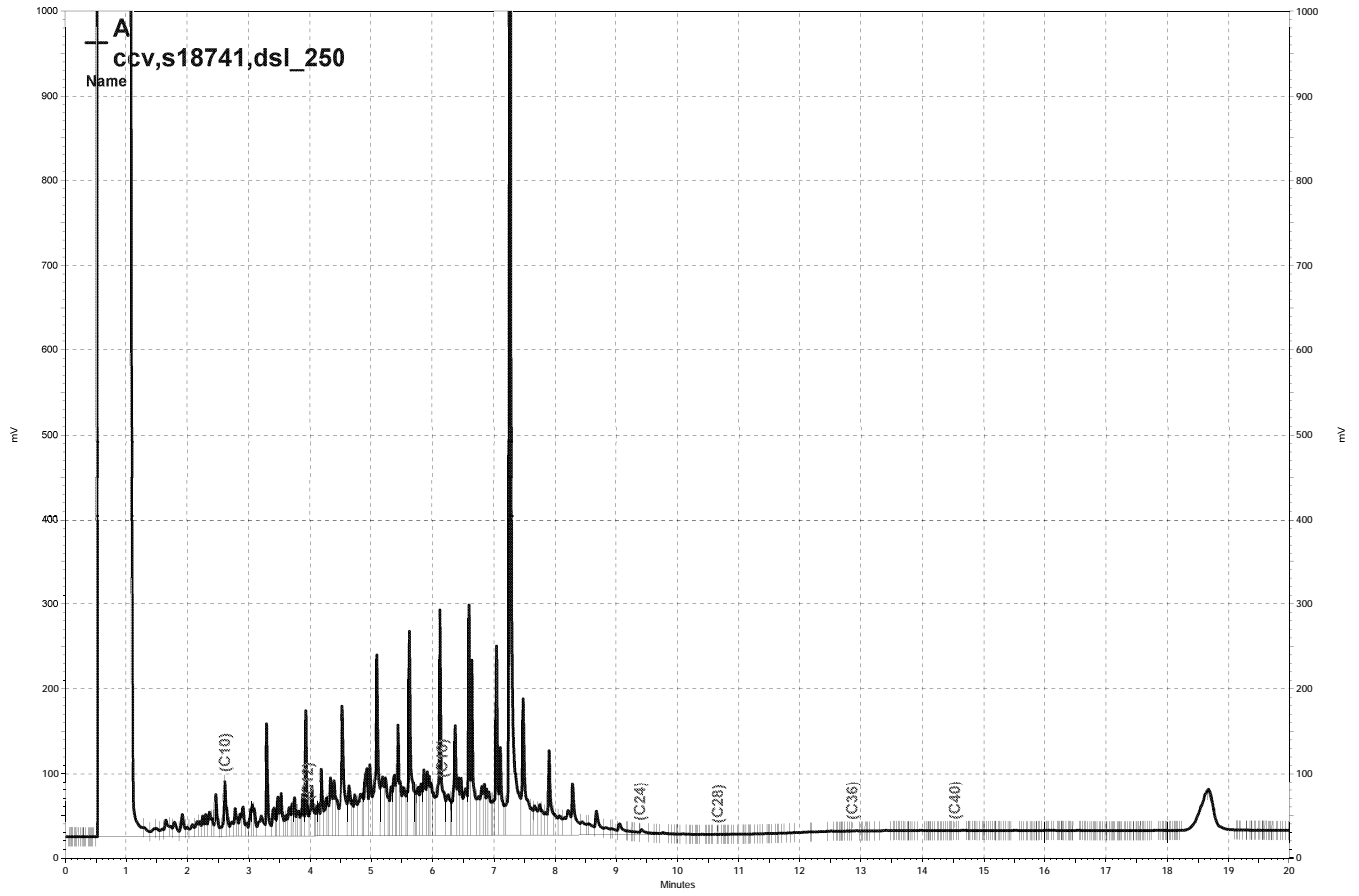
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.72	396.1	13 NM	32-143	4	54

Surrogate	%REC	Limits
o-Terphenyl	98	49-128

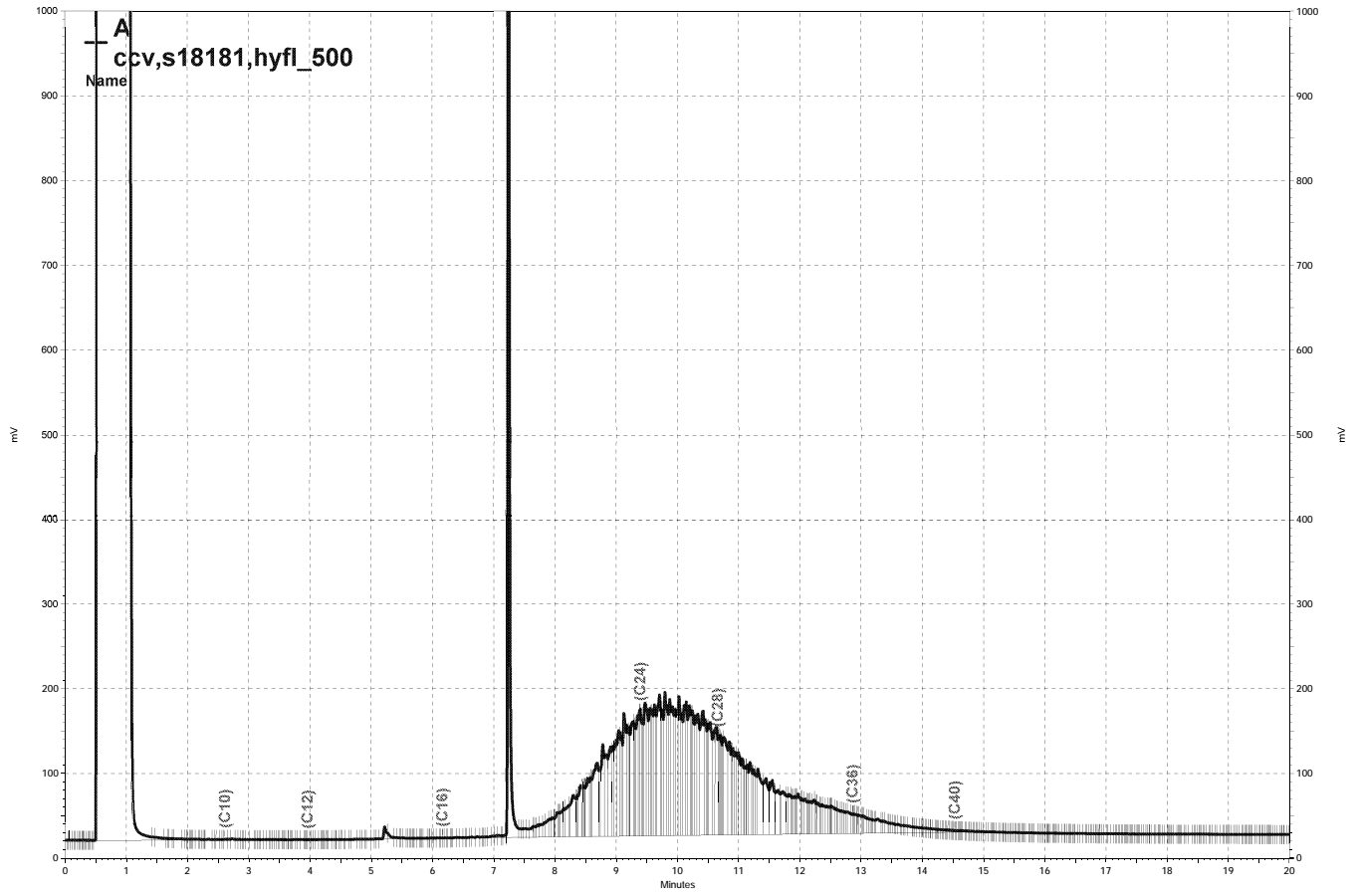
 NM= Not Meaningful: Sample concentration > 4X spike concentration  
 RPD= Relative Percent Difference



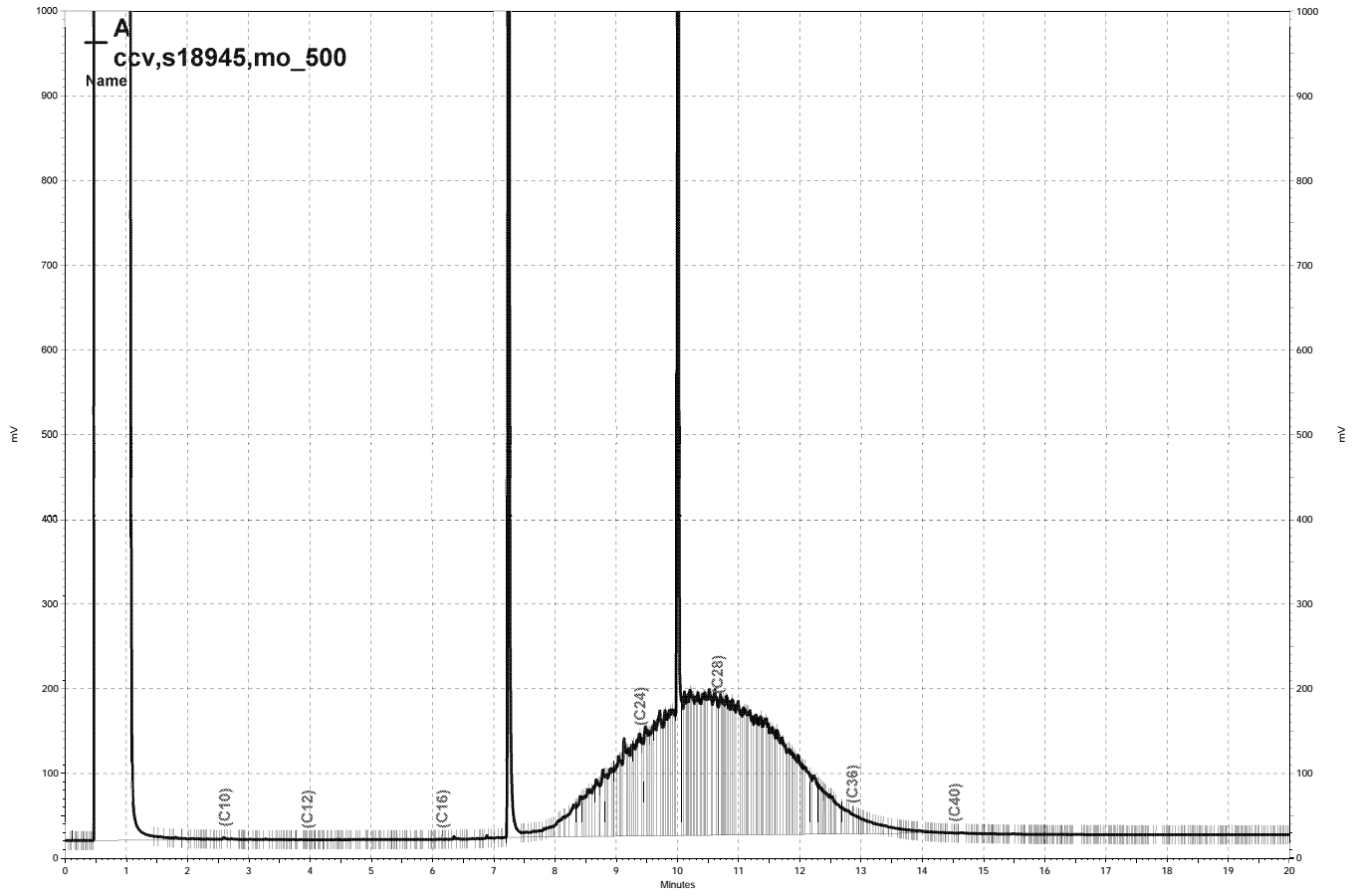
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\\Lims\gdrive\ezchrom\Projects\GC17A\Data\012a003, A



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\012a015, A



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\012a013, A

### Purgeable Organics by GC/MS

Lab #:	233709	Location:	2145 35th Ave.--Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-1-5.5'	Diln Fac:	0.9398
Lab ID:	233709-001	Batch#:	182834
Matrix:	Soil	Sampled:	01/11/12
Units:	ug/Kg	Received:	01/11/12
Basis:	as received	Analyzed:	01/12/12

Analyte	Result	RL
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected

RL= Reporting Limit

### Purgeable Organics by GC/MS

Lab #:	233709	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-1-5.5'	Diln Fac:	0.9398
Lab ID:	233709-001	Batch#:	182834
Matrix:	Soil	Sampled:	01/11/12
Units:	ug/Kg	Received:	01/11/12
Basis:	as received	Analyzed:	01/12/12

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	96	74-133
1,2-Dichloroethane-d4	87	74-136
Toluene-d8	106	80-120
Bromofluorobenzene	97	77-130

ND= Not Detected

RL= Reporting Limit



**Batch QC Report**

<b>Purgeable Organics by GC/MS</b>		
Lab #:	233709	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC624907	Batch#: 182834
Matrix:	Soil	Analyzed: 01/12/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected

RL= Reporting Limit

**Batch QC Report**

<b>Purgeable Organics by GC/MS</b>		
Lab #:	233709	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC624907	Batch#: 182834
Matrix:	Soil	Analyzed: 01/12/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	93	74-133
1,2-Dichloroethane-d4	88	74-136
Toluene-d8	103	80-120
Bromofluorobenzene	95	77-130

ND= Not Detected

RL= Reporting Limit

**Batch QC Report**

Purgeable Organics by GC/MS		
Lab #:	233709	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Matrix:	Soil	Batch#: 182834
Units:	ug/Kg	Analyzed: 01/12/12
Diln Fac:	1.000	

Type: BS Lab ID: QC624908

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	21.35	107	71-125
Benzene	20.00	19.78	99	78-125
Trichloroethene	20.00	18.91	95	77-121
Toluene	20.00	20.22	101	79-120
Chlorobenzene	20.00	19.86	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	74-133
1,2-Dichloroethane-d4	96	74-136
Toluene-d8	99	80-120
Bromofluorobenzene	93	77-130

Type: BSD Lab ID: QC624909

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	22.41	112	71-125	5	20
Benzene	20.00	19.85	99	78-125	0	20
Trichloroethene	20.00	19.36	97	77-121	2	20
Toluene	20.00	19.59	98	79-120	3	20
Chlorobenzene	20.00	19.95	100	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	74-133
1,2-Dichloroethane-d4	95	74-136
Toluene-d8	98	80-120
Bromofluorobenzene	93	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Purgeable Organics by GC/MS					
Lab #:	233709	Location:	2145 35th Ave.-Salisbury, Oakland, CA		
Client:	Eagle Env. Construction	Prep:	EPA 5030B		
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B		
Field ID:	ZZZZZZZZZZ	Basis:	as received		
MSS Lab ID:	233712-001	Batch#:	182834		
Matrix:	Soil	Sampled:	01/11/12		
Units:	ug/Kg	Received:	01/11/12		

Type: MS Diln Fac: 0.9881  
 Lab ID: QC624962 Analyzed: 01/15/12

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.4297	49.41	78.04	158 *	55-127
Benzene	2.006	49.41	51.70	101	58-122
Trichloroethene	<0.4093	49.41	87.48	177 *	45-142
Toluene	<0.3095	49.41	51.78	105	54-120
Chlorobenzene	<0.3860	49.41	49.60	100	49-120

Surrogate	%REC	Limits
Dibromofluoromethane	37 *	74-133
1,2-Dichloroethane-d4	102	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	91	77-130

Type: MSD Diln Fac: 0.9940  
 Lab ID: QC624963 Analyzed: 01/16/12

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.70	80.16	161 *	55-127	2	38
Benzene	49.70	52.62	102	58-122	1	37
Trichloroethene	49.70	88.76	179 *	45-142	1	41
Toluene	49.70	52.39	105	54-120	1	35
Chlorobenzene	49.70	50.14	101	49-120	0	38

Surrogate	%REC	Limits
Dibromofluoromethane	40 *	74-133
1,2-Dichloroethane-d4	101	74-136
Toluene-d8	101	80-120
Bromofluorobenzene	91	77-130

\*= Value outside of QC limits; see narrative  
 RPD= Relative Percent Difference

**Polychlorinated Biphenyls (PCBs)**

Lab #:	233709	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 3550B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8082
Field ID:	S-1-5.5'	Batch#:	182865
Matrix:	Soil	Sampled:	01/11/12
Units:	ug/Kg	Received:	01/11/12
Basis:	as received	Prepared:	01/13/12
Diln Fac:	1.000	Analyzed:	01/16/12

Type: SAMPLE                      Lab ID: 233709-001

Analyte	Result	RL
Aroclor-1016	ND	9.5
Aroclor-1221	ND	19
Aroclor-1232	ND	9.5
Aroclor-1242	ND	9.5
Aroclor-1248	ND	9.5
Aroclor-1254	ND	9.5
Aroclor-1260	ND	9.5
Aroclor-1268	27	9.5

Surrogate	%REC	Limits
TCMX	124	55-137
Decachlorobiphenyl	96	28-120

Type: BLANK                      Lab ID: QC625033

Analyte	Result	RL
Aroclor-1016	ND	9.7
Aroclor-1221	ND	19
Aroclor-1232	ND	9.7
Aroclor-1242	ND	9.7
Aroclor-1248	ND	9.7
Aroclor-1254	ND	9.7
Aroclor-1260	ND	9.7
Aroclor-1268	ND	9.7

Surrogate	%REC	Limits
TCMX	106	55-137
Decachlorobiphenyl	91	28-120

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Polychlorinated Biphenyls (PCBs)		
Lab #:	233709	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8082
Type:	LCS	Diln Fac: 1.000
Lab ID:	QC625034	Batch#: 182865
Matrix:	Soil	Prepared: 01/13/12
Units:	ug/Kg	Analyzed: 01/16/12

Analyte	Spiked	Result	%REC	Limits
Aroclor-1016	166.7	169.1	101	63-138
Aroclor-1260	166.7	153.4	92	60-141

Surrogate	%REC	Limits
TCMX	108	55-137
Decachlorobiphenyl	101	28-120

California LUFT Metals		
Lab #:	233709	Location: 2145 35th Ave.--Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3050B
Project#:	2145 35TH AVENUE	Analysis: EPA 6010B
Field ID:	S-1-5.5'	Batch#: 182845
Matrix:	Soil	Sampled: 01/11/12
Units:	mg/Kg	Received: 01/11/12
Basis:	as received	Prepared: 01/12/12
Diln Fac:	1.000	Analyzed: 01/13/12

Type: SAMPLE Lab ID: 233709-001

Analyte	Result	RL
Cadmium	0.45	0.24
Chromium	32	0.24
Lead	51	0.24
Nickel	53	0.24
Zinc	84	0.96

Type: BLANK Lab ID: QC624945

Analyte	Result	RL
Cadmium	ND	0.25
Chromium	ND	0.25
Lead	ND	0.25
Nickel	ND	0.25
Zinc	ND	1.0

ND= Not Detected  
 RL= Reporting Limit





**Batch QC Report**

<b>California LUFT Metals</b>			
Lab #:	233709	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 3050B
Project#:	2145 35TH AVENUE	Analysis:	EPA 6010B
Field ID:	S-1-5.5'	Batch#:	182845
MSS Lab ID:	233709-001	Sampled:	01/11/12
Matrix:	Soil	Received:	01/11/12
Units:	mg/Kg	Prepared:	01/12/12
Basis:	as received	Analyzed:	01/13/12
Diln Fac:	1.000		

Type: MS Lab ID: QC624948

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.4486	10.20	9.906	93	72-120
Chromium	31.50	102.0	152.1	118	60-125
Lead	50.84	102.0	172.5	119	57-126
Nickel	52.83	25.51	108.9	220 *	45-139
Zinc	84.08	25.51	161.2	302 *	41-148

Type: MSD Lab ID: QC624949

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.20	10.24	96	72-120	3	30
Chromium	102.0	133.7	100	60-125	13	34
Lead	102.0	160.9	108	57-126	7	43
Nickel	25.51	85.52	128	45-139	24	37
Zinc	25.51	137.7	210 *	41-148	16	38

\*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference



**Curtis & Tompkins, Ltd.**  
Analytical Laboratories, Since 1878





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 233799**  
**ANALYTICAL REPORT**

Eagle Env. Construction 3150 Hilltop Mall Road, Suite 7 Richmond, CA 94806	Project : 2145 35TH AVENUE Location : 2145 35th Ave.-Salisbury, Oakland, CA Level : II
--	--

<u>Sample ID</u>	<u>Lab ID</u>
S-2-7	233799-001
S-3-7	233799-002
S-4-3	233799-003
S-5-5	233799-004
S-6-5	233799-005

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:   
Project Manager

Date: 01/23/2012

NELAP # 01107CA

### CASE NARRATIVE

Laboratory number: 233799  
Client: Eagle Env. Construction  
Project: 2145 35TH AVENUE  
Location: 2145 35th Ave.-Salisbury, Oakland, CA  
Request Date: 01/13/12  
Samples Received: 01/13/12

This data package contains sample and QC results for five soil samples, requested for the above referenced project on 01/13/12. The samples were received cold and intact.

**TPH-Purgeables and/or BTXE by GC (EPA 8015B):**

No analytical problems were encountered.

**TPH-Extractables by GC (EPA 8015B):**

No analytical problems were encountered.

**Volatile Organics by GC/MS (EPA 8260B):**

Matrix spikes were not performed for this analysis in batch 183099 due to insufficient sample amount. Low recoveries were observed for many analytes in the MS/MSD for batch 183101; the parent sample was not a project sample, the BS/BSD were within limits, and these low recoveries were not associated with any reported results. High RPD was observed for benzene, toluene, and chlorobenzene; the RPD was acceptable in the BS/BSD, and the high RPD was not associated with any reported results. High surrogate recoveries were observed for bromofluorobenzene in the MS/MSD for batch 183101; the parent sample was not a project sample. S-4-3 (lab # 233799-003) was diluted due to high hydrocarbons. No other analytical problems were encountered.

**Metals (EPA 6010B):**

High recovery was observed for lead in the MS for batch 182898; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.



# CHAIN OF CUSTODY

Geotracker Global ID T0619778840

Page \_\_\_ of \_\_\_

Chain of Custody # \_\_\_\_\_

2323 Fifth Street  
 Berkeley, CA 94710

Phone (510) 486-0900  
 Fax (510) 486-0532

C&T LOGIN # 233799

Project No: \_\_\_\_\_ Sampler: FEC *QAL*  
 Project Name: SALISBURY, 2145 35TH AVE., OAKLAND, CA Report To: SAMI MALAEB  
 Project P. O. No: \_\_\_\_\_ Company: FEC  
 EDD Format: Report Level  II  III  IV Telephone: (925) 858-9608  
 Turnaround Time:  RUSH  Standard Email: S.MALAEB@COMCAST.NET

ANALYTICAL REQUEST										
TPH-6	TPH-D	5	Volatile Organics	8260X with BTEX	Fuel Oxygenates and	Lead	Styrene	Naphthalene		
X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X		
X	X	X	X	X	X	X	X	X		

Lab No.	Sample ID.		SAMPLING		MATRIX			# of Containers	CHEMICAL PRESERVATIVE											
			Date Collected	Time Collected	Water	Solid			HCl	H2SO4	HNO3	NaOH	None							
	<i>sample ID</i>	<i>Field Point ID</i>																		
1	S-2-7'	S-2	01/13/12 2:20 P.M.	2:20 P.M.	X															
2	S-3-7'	S-3	01/13/12 2:30 P.M.	2:30 P.M.	X															
3	S-4-3'	S-4	01/13/12 2:40 P.M.	2:40 P.M.	X															
4	S-5-5'	S-5	01/13/12 2:45 P.M.	2:45 P.M.	X															
5	S-6-5'	S-6	01/13/12 2:50 P.M.	2:50 P.M.	X															

Notes:	SAMPLE RECEIPT <input type="checkbox"/> Intact <input type="checkbox"/> Cold <input type="checkbox"/> On Ice <input type="checkbox"/> Ambient	RELINQUISHED BY:	RECEIVED BY:
		<i>Sam: Malaeb</i> DATE: <u>01/13/12</u> TIME: <u>4:00 P.M.</u>	<i>MR [Signature]</i> DATE: <u>1/13/12</u> TIME: <u>15:55</u>
		DATE: _____ TIME: _____	DATE: _____ TIME: _____

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 233799 Date Received 1/13/12 Number of coolers 0
Client EEC Project Salisbury

Date Opened 1/13/12 By (print) C. Morrow (sign) [Signature]
Date Logged in [Arrow] By (print) [Arrow] (sign) [Arrow]

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)
Bubble Wrap Foam blocks Bags None
Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation: \* Notify PM if temperature exceeds 6°C
Type of ice used: Wet Blue/Gel None Temp(°C)

Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are there any missing / extra samples? YES NO

11. Are samples in the appropriate containers for indicated tests? YES NO

12. Are sample labels present, in good condition and complete? YES NO

13. Do the sample labels agree with custody papers? YES NO

14. Was sufficient amount of sample sent for tests requested? YES NO

15. Are the samples appropriately preserved? YES NO N/A

16. Did you check preservatives for all bottles for each sample? YES NO N/A

17. Did you document your preservative check? YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? YES NO N/A

21. Was the client contacted concerning this sample delivery? YES NO
If YES, Who was called? By Date:

COMMENTS

Total Volatile Hydrocarbons		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Matrix:	Soil	Batch#: 182990
Units:	mg/Kg	Sampled: 01/13/12
Basis:	as received	Received: 01/13/12
Diln Fac:	1.000	

Field ID: S-2-7                      Lab ID: 233799-001  
 Type: SAMPLE                      Analyzed: 01/17/12

Analyte	Result	RL
Gasoline C7-C12	ND	0.98

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	84	61-136

Field ID: S-3-7                      Lab ID: 233799-002  
 Type: SAMPLE                      Analyzed: 01/18/12

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	80	61-136

Field ID: S-4-3                      Lab ID: 233799-003  
 Type: SAMPLE                      Analyzed: 01/18/12

Analyte	Result	RL
Gasoline C7-C12	5.7 Y	0.94

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	92	61-136

Y= Sample exhibits chromatographic pattern which does not resemble standard  
 ND= Not Detected  
 RL= Reporting Limit





**Batch QC Report**

<b>Total Volatile Hydrocarbons</b>				
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA	
Client:	Eagle Env. Construction	Prep:	EPA 5030B	
Project#:	2145 35TH AVENUE	Analysis:	EPA 8015B	
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC625516	Batch#:	182990	
Matrix:	Soil	Analyzed:	01/17/12	
Units:	mg/Kg			

<b>Analyte</b>	<b>Spiked</b>	<b>Result</b>	<b>%REC</b>	<b>Limits</b>
Gasoline C7-C12	1.000	0.9579	96	79-120

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Bromofluorobenzene (FID)	85	61-136

Batch QC Report

Total Volatile Hydrocarbons					
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA		
Client:	Eagle Env. Construction	Prep:	EPA 5030B		
Project#:	2145 35TH AVENUE	Analysis:	EPA 8015B		
Field ID:	S-2-7	Diln Fac:	1.000		
MSS Lab ID:	233799-001	Batch#:	182990		
Matrix:	Soil	Sampled:	01/13/12		
Units:	mg/Kg	Received:	01/13/12		
Basis:	as received	Analyzed:	01/17/12		

Type: MS Lab ID: QC625518

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	0.1607	9.091	8.046	87	31-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	88	61-136

Type: MSD Lab ID: QC625519

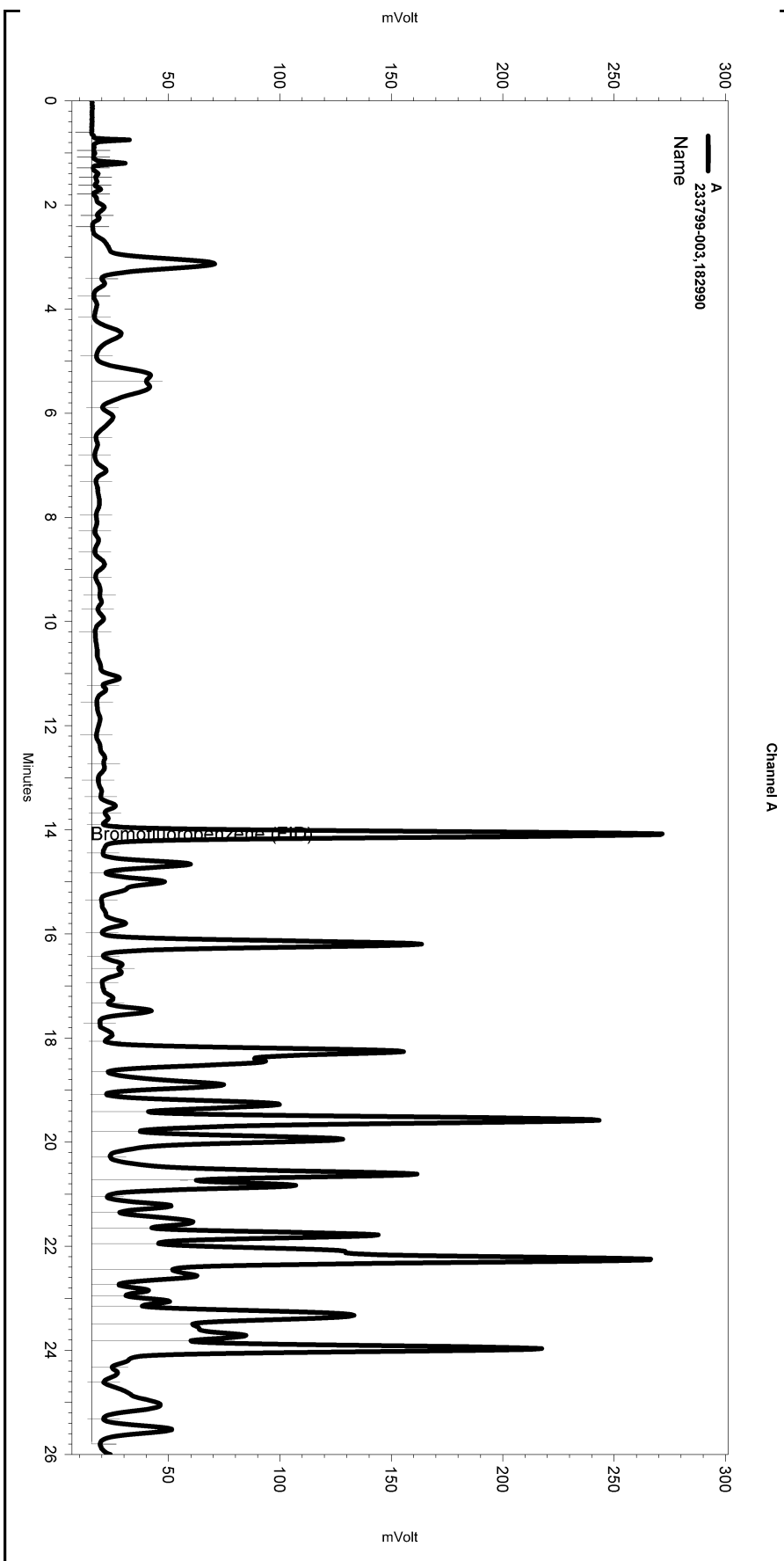
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	9.434	8.137	85	31-120	3	57

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	89	61-136

RPD= Relative Percent Difference

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 Sample Name: 233799-003,182990  
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\017-025  
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)  
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\TVHBTXE012.met

Software Version 3.1.7  
 Run Date: 1/18/2012 8:27:11 AM  
 Analysis Date: 1/18/2012 11:59:18 AM  
 Sample Amount: 1.06 Multiplier: 1.06  
 Vial & pH or Core ID: a



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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

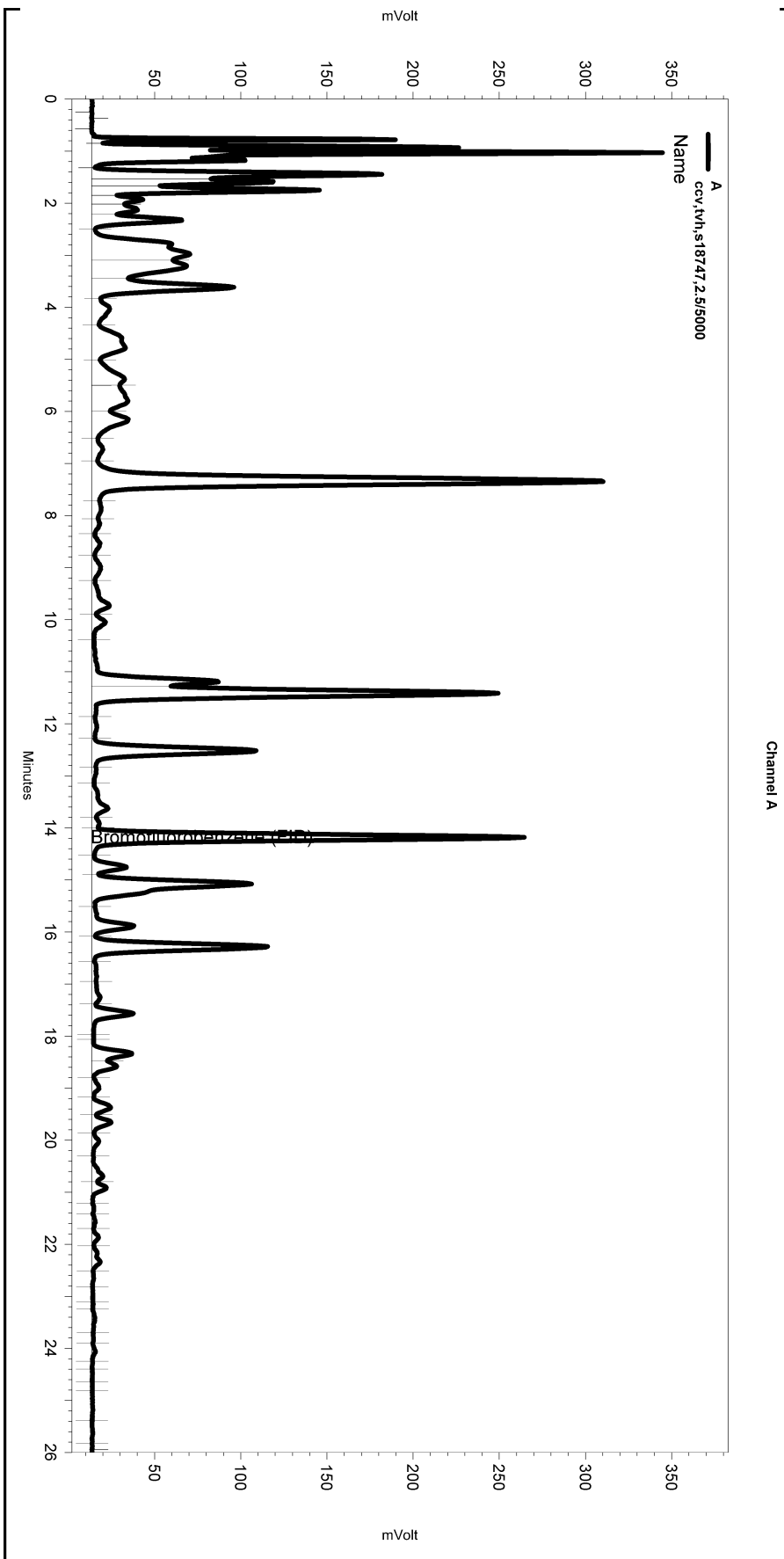
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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 Sample Name: ccv,tvh,s18747,2.5/5000  
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 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 1. Analyst (lims2k3\tvh1)  
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe012.met

Software Version 3.1.7  
 Run Date: 1/17/2012 3:44:21 PM  
 Analysis Date: 1/18/2012 11:33:11 AM  
 Sample Amount: 5 Multiplier: 5  
 Vial & pH or Core ID: {Data Description}



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No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\017-001

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	13.993	0	0

Total Extractable Hydrocarbons		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Matrix:	Soil	Batch#: 182934
Units:	mg/Kg	Sampled: 01/13/12
Basis:	as received	Received: 01/13/12
Diln Fac:	1.000	Prepared: 01/16/12

Field ID: S-2-7 Analyzed: 01/17/12  
 Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233799-001

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	74	49-128

Field ID: S-3-7 Analyzed: 01/17/12  
 Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233799-002

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	83	49-128

Field ID: S-4-3 Analyzed: 01/17/12  
 Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233799-003

Analyte	Result	RL
Diesel C10-C24	12 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	81	49-128

Y= Sample exhibits chromatographic pattern which does not resemble standard  
 ND= Not Detected  
 RL= Reporting Limit

Total Extractable Hydrocarbons		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Matrix:	Soil	Batch#: 182934
Units:	mg/Kg	Sampled: 01/13/12
Basis:	as received	Received: 01/13/12
Diln Fac:	1.000	Prepared: 01/16/12

Field ID: S-5-5 Analyzed: 01/17/12  
 Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233799-004

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	80	49-128

Field ID: S-6-5 Analyzed: 01/17/12  
 Type: SAMPLE Cleanup Method: EPA 3630C  
 Lab ID: 233799-005

Analyte	Result	RL
Diesel C10-C24	3.7 Y	0.99
Motor Oil C24-C36	8.2	5.0

Surrogate	%REC	Limits
o-Terphenyl	92	49-128

Type: BLANK Analyzed: 01/16/12  
 Lab ID: QC625311 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
o-Terphenyl	95	49-128

Y= Sample exhibits chromatographic pattern which does not resemble standard  
 ND= Not Detected  
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 3550B
Project#:	2145 35TH AVENUE	Analysis: EPA 8015B
Type:	LCS	Diln Fac: 1.000
Lab ID:	QC625312	Batch#: 182934
Matrix:	Soil	Prepared: 01/16/12
Units:	mg/Kg	Analyzed: 01/16/12

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.83	42.83	86	47-132

Surrogate	%REC	Limits
o-Terphenyl	95	49-128

## Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 3550B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	182934
MSS Lab ID:	233776-001	Sampled:	01/12/12
Matrix:	Soil	Received:	01/12/12
Units:	mg/Kg	Prepared:	01/16/12
Basis:	as received	Analyzed:	01/17/12
Diln Fac:	5.000		

Type: MS Lab ID: QC625313

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1,353	49.77	1,316	-75 NM	32-143

Surrogate	%REC	Limits
o-Terphenyl	90	49-128

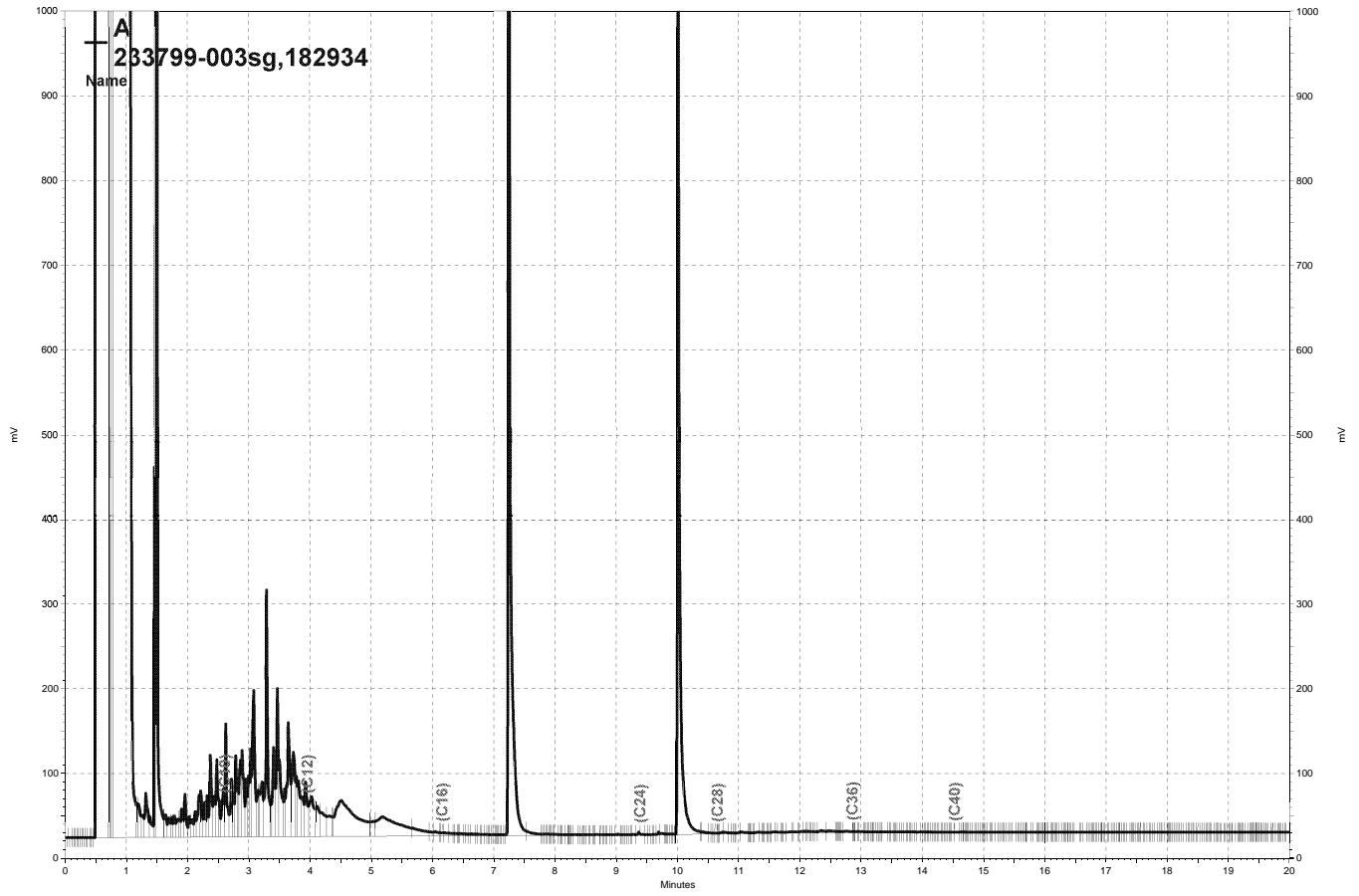
Type: MSD Lab ID: QC625314

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.76	1,299	-108 NM	32-143	1	54

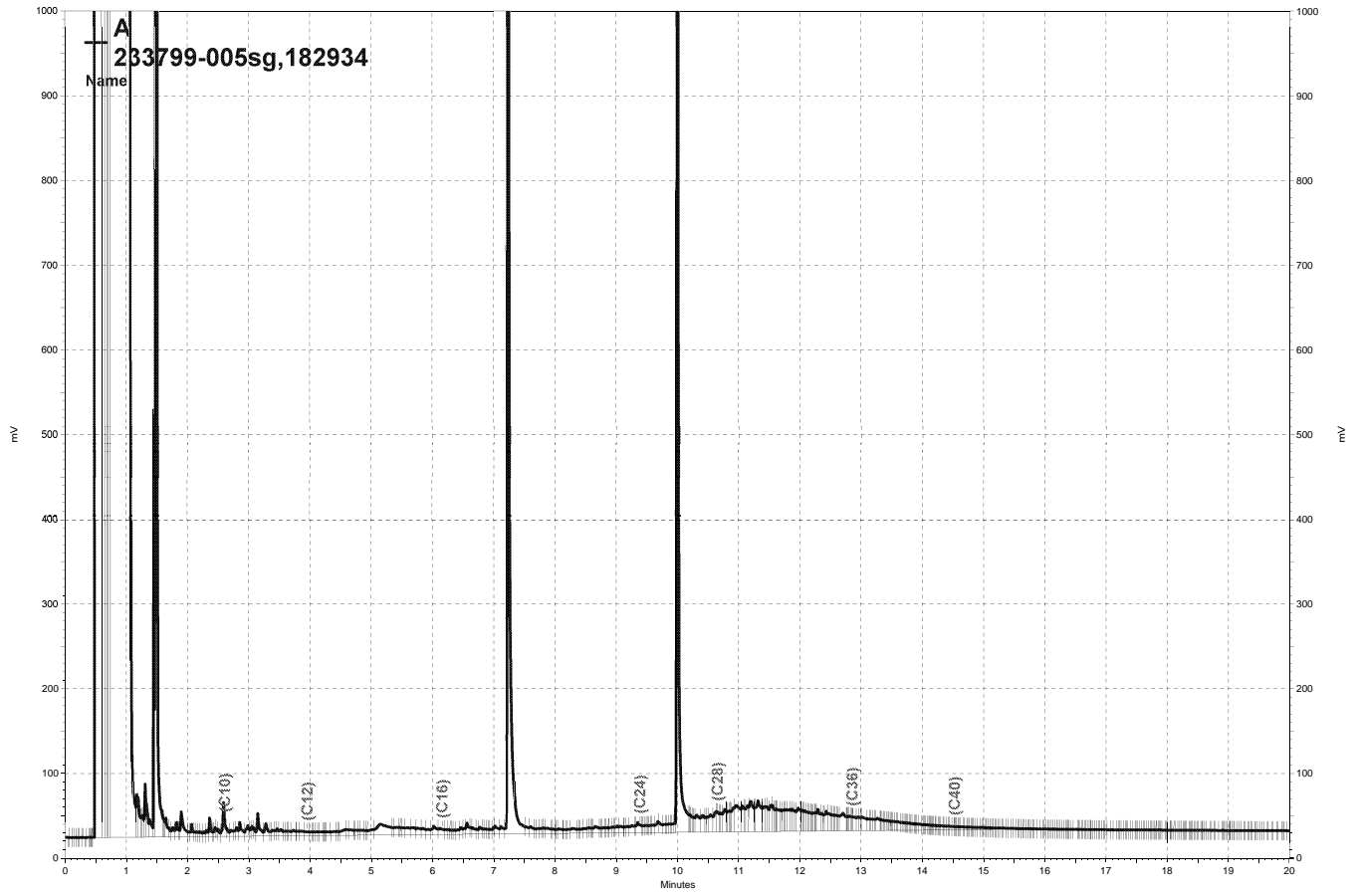
Surrogate	%REC	Limits
o-Terphenyl	103	49-128

 NM= Not Meaningful: Sample concentration > 4X spike concentration  
 RPD= Relative Percent Difference

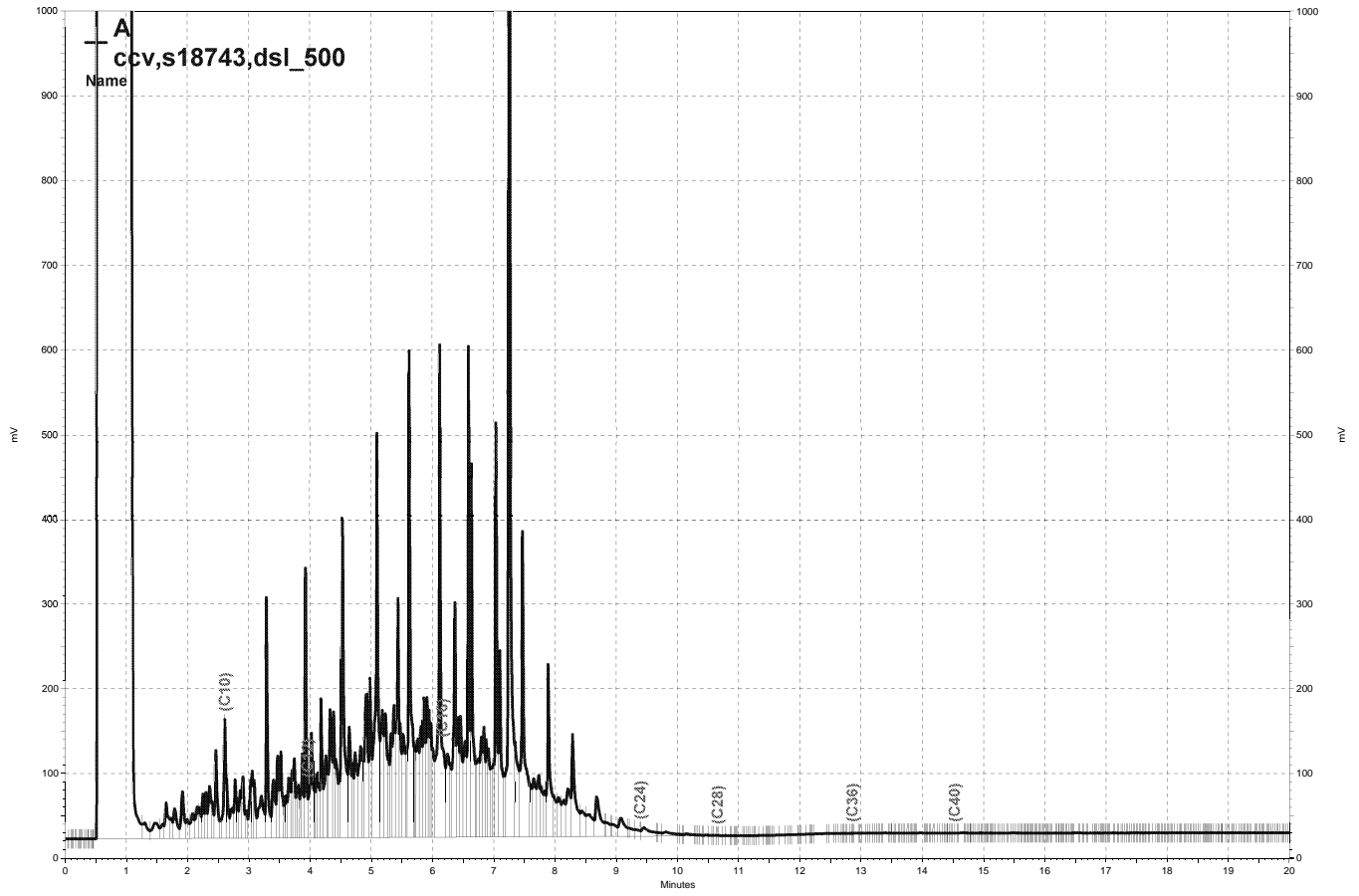




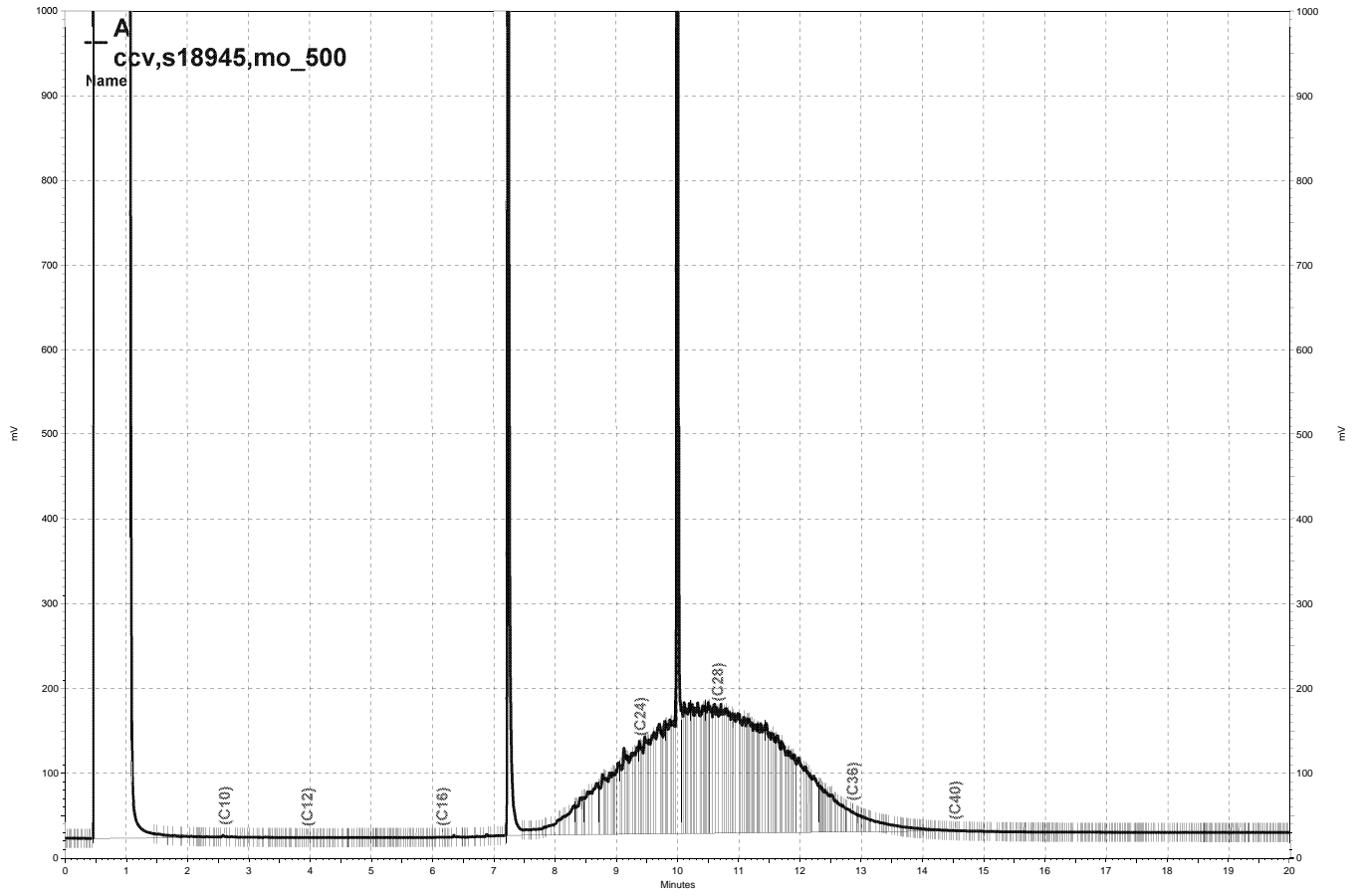
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Volatile Organics			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-2-7	Diln Fac:	0.9634
Lab ID:	233799-001	Batch#:	182933
Matrix:	Soil	Sampled:	01/13/12
Units:	ug/Kg	Received:	01/13/12
Basis:	as received	Analyzed:	01/16/12

Analyte	Result	RL
Freon 12	ND	9.6
tert-Butyl Alcohol (TBA)	ND	96
Chloromethane	ND	9.6
Isopropyl Ether (DIPE)	ND	4.8
Vinyl Chloride	ND	9.6
Bromomethane	ND	9.6
Ethyl tert-Butyl Ether (ETBE)	ND	4.8
Chloroethane	ND	9.6
Methyl tert-Amyl Ether (TAME)	ND	4.8
Trichlorofluoromethane	ND	4.8
Acetone	ND	19
Freon 113	ND	4.8
1,1-Dichloroethene	ND	4.8
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.8
MTBE	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
Vinyl Acetate	ND	48
1,1-Dichloroethane	ND	4.8
2-Butanone	ND	9.6
cis-1,2-Dichloroethene	ND	4.8
2,2-Dichloropropane	ND	4.8
Chloroform	ND	4.8
Bromochloromethane	ND	4.8
1,1,1-Trichloroethane	ND	4.8
1,1-Dichloropropene	ND	4.8
Carbon Tetrachloride	ND	4.8
1,2-Dichloroethane	ND	4.8
Benzene	ND	4.8
Trichloroethene	ND	4.8
1,2-Dichloropropane	ND	4.8
Bromodichloromethane	ND	4.8
Dibromomethane	ND	4.8
4-Methyl-2-Pentanone	ND	9.6
cis-1,3-Dichloropropene	ND	4.8
Toluene	ND	4.8
trans-1,3-Dichloropropene	ND	4.8
1,1,2-Trichloroethane	ND	4.8
2-Hexanone	ND	9.6
1,3-Dichloropropane	ND	4.8
Tetrachloroethene	ND	4.8
Dibromochloromethane	ND	4.8
1,2-Dibromoethane	ND	4.8
Chlorobenzene	ND	4.8
1,1,1,2-Tetrachloroethane	ND	4.8
Ethylbenzene	ND	4.8
m,p-Xylenes	ND	4.8
o-Xylene	ND	4.8
Styrene	ND	4.8
Bromoform	ND	4.8
Isopropylbenzene	ND	4.8
1,1,2,2-Tetrachloroethane	ND	4.8
1,2,3-Trichloropropane	ND	4.8
Propylbenzene	ND	4.8

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-2-7	Diln Fac: 0.9634
Lab ID:	233799-001	Batch#: 182933
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/16/12

Analyte	Result	RL
Bromobenzene	ND	4.8
1,3,5-Trimethylbenzene	ND	4.8
2-Chlorotoluene	ND	4.8
4-Chlorotoluene	ND	4.8
tert-Butylbenzene	ND	4.8
1,2,4-Trimethylbenzene	ND	4.8
sec-Butylbenzene	ND	4.8
para-Isopropyl Toluene	ND	4.8
1,3-Dichlorobenzene	ND	4.8
1,4-Dichlorobenzene	ND	4.8
n-Butylbenzene	ND	4.8
1,2-Dichlorobenzene	ND	4.8
1,2-Dibromo-3-Chloropropane	ND	4.8
1,2,4-Trichlorobenzene	ND	4.8
Hexachlorobutadiene	ND	4.8
Naphthalene	ND	4.8
1,2,3-Trichlorobenzene	ND	4.8

Surrogate	%REC	Limits
Dibromofluoromethane	112	74-133
1,2-Dichloroethane-d4	129	74-136
Toluene-d8	104	80-120
Bromofluorobenzene	103	77-130

ND= Not Detected  
 RL= Reporting Limit  
 Page 2 of 2

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-3-7	Diln Fac: 0.9416
Lab ID:	233799-002	Batch#: 182933
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/16/12

Analyte	Result	RL
Freon 12	ND	9.4
tert-Butyl Alcohol (TBA)	ND	94
Chloromethane	ND	9.4
Isopropyl Ether (DIPE)	ND	4.7
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Ethyl tert-Butyl Ether (ETBE)	ND	4.7
Chloroethane	ND	9.4
Methyl tert-Amyl Ether (TAME)	ND	4.7
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-3-7	Diln Fac: 0.9416
Lab ID:	233799-002	Batch#: 182933
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/16/12

Analyte	Result	RL
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	114	74-133
1,2-Dichloroethane-d4	132	74-136
Toluene-d8	101	80-120
Bromofluorobenzene	106	77-130

ND= Not Detected  
 RL= Reporting Limit  
 Page 2 of 2



Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-4-3	Diln Fac: 50.00
Lab ID:	233799-003	Batch#: 183099
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/20/12

Analyte	Result	RL
Freon 12	ND	500
tert-Butyl Alcohol (TBA)	ND	5,000
Chloromethane	ND	500
Isopropyl Ether (DIPE)	ND	250
Vinyl Chloride	ND	500
Bromomethane	ND	500
Ethyl tert-Butyl Ether (ETBE)	ND	250
Chloroethane	ND	500
Methyl tert-Amyl Ether (TAME)	ND	250
Trichlorofluoromethane	ND	250
Acetone	ND	1,000
Freon 113	ND	250
1,1-Dichloroethene	ND	250
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	250
MTBE	ND	250
trans-1,2-Dichloroethene	ND	250
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	250
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	250
2,2-Dichloropropane	ND	250
Chloroform	ND	250
Bromochloromethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1-Dichloropropene	ND	250
Carbon Tetrachloride	ND	250
1,2-Dichloroethane	ND	250
Benzene	ND	250
Trichloroethene	ND	250
1,2-Dichloropropane	ND	250
Bromodichloromethane	ND	250
Dibromomethane	ND	250
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
1,1,2-Trichloroethane	ND	250
2-Hexanone	ND	500
1,3-Dichloropropane	ND	250
Tetrachloroethene	ND	250
Dibromochloromethane	ND	250
1,2-Dibromoethane	ND	250
Chlorobenzene	ND	250
1,1,1,2-Tetrachloroethane	ND	250
Ethylbenzene	ND	250
m,p-Xylenes	ND	250
o-Xylene	ND	250
Styrene	ND	250
Bromoform	ND	250
Isopropylbenzene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,2,3-Trichloropropane	ND	250
Propylbenzene	ND	250

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-4-3	Diln Fac: 50.00
Lab ID:	233799-003	Batch#: 183099
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/20/12

Analyte	Result	RL
Bromobenzene	ND	250
1,3,5-Trimethylbenzene	ND	250
2-Chlorotoluene	ND	250
4-Chlorotoluene	ND	250
tert-Butylbenzene	ND	250
1,2,4-Trimethylbenzene	ND	250
sec-Butylbenzene	ND	250
para-Isopropyl Toluene	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
n-Butylbenzene	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dibromo-3-Chloropropane	ND	250
1,2,4-Trichlorobenzene	ND	250
Hexachlorobutadiene	ND	250
Naphthalene	630	250
1,2,3-Trichlorobenzene	ND	250

Surrogate	%REC	Limits
Dibromofluoromethane	101	74-133
1,2-Dichloroethane-d4	103	74-136
Toluene-d8	99	80-120
Bromofluorobenzene	98	77-130
Trifluorotoluene (MeOH)	88	60-135

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-5-5	Basis:	as received
Lab ID:	233799-004	Sampled:	01/13/12
Matrix:	Soil	Received:	01/13/12
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	9.5	0.9452	182933	01/16/12
tert-Butyl Alcohol (TBA)	ND	95	0.9452	182933	01/16/12
Chloromethane	ND	9.5	0.9452	182933	01/16/12
Isopropyl Ether (DIPE)	ND	4.7	0.9452	182933	01/16/12
Vinyl Chloride	ND	9.5	0.9452	182933	01/16/12
Bromomethane	ND	9.5	0.9452	182933	01/16/12
Ethyl tert-Butyl Ether (ETBE)	ND	4.7	0.9452	182933	01/16/12
Chloroethane	ND	9.5	0.9452	182933	01/16/12
Methyl tert-Amyl Ether (TAME)	ND	4.7	0.9452	182933	01/16/12
Trichlorofluoromethane	ND	4.7	0.9452	182933	01/16/12
Acetone	210	28	1.425	182968	01/17/12
Freon 113	ND	4.7	0.9452	182933	01/16/12
1,1-Dichloroethene	ND	4.7	0.9452	182933	01/16/12
Methylene Chloride	ND	19	0.9452	182933	01/16/12
Carbon Disulfide	ND	4.7	0.9452	182933	01/16/12
MTBE	ND	4.7	0.9452	182933	01/16/12
trans-1,2-Dichloroethene	ND	4.7	0.9452	182933	01/16/12
Vinyl Acetate	ND	47	0.9452	182933	01/16/12
1,1-Dichloroethane	ND	4.7	0.9452	182933	01/16/12
2-Butanone	ND	9.5	0.9452	182933	01/16/12
cis-1,2-Dichloroethene	ND	4.7	0.9452	182933	01/16/12
2,2-Dichloropropane	ND	4.7	0.9452	182933	01/16/12
Chloroform	ND	4.7	0.9452	182933	01/16/12
Bromochloromethane	ND	4.7	0.9452	182933	01/16/12
1,1,1-Trichloroethane	ND	4.7	0.9452	182933	01/16/12
1,1-Dichloropropene	ND	4.7	0.9452	182933	01/16/12
Carbon Tetrachloride	ND	4.7	0.9452	182933	01/16/12
1,2-Dichloroethane	ND	4.7	0.9452	182933	01/16/12
Benzene	ND	4.7	0.9452	182933	01/16/12
Trichloroethene	ND	4.7	0.9452	182933	01/16/12
1,2-Dichloropropane	ND	4.7	0.9452	182933	01/16/12
Bromodichloromethane	ND	4.7	0.9452	182933	01/16/12
Dibromomethane	ND	4.7	0.9452	182933	01/16/12
4-Methyl-2-Pentanone	ND	9.5	0.9452	182933	01/16/12
cis-1,3-Dichloropropene	ND	4.7	0.9452	182933	01/16/12
Toluene	ND	4.7	0.9452	182933	01/16/12
trans-1,3-Dichloropropene	ND	4.7	0.9452	182933	01/16/12
1,1,2-Trichloroethane	ND	4.7	0.9452	182933	01/16/12
2-Hexanone	ND	9.5	0.9452	182933	01/16/12
1,3-Dichloropropane	ND	4.7	0.9452	182933	01/16/12
Tetrachloroethene	ND	4.7	0.9452	182933	01/16/12
Dibromochloromethane	ND	4.7	0.9452	182933	01/16/12
1,2-Dibromoethane	ND	4.7	0.9452	182933	01/16/12
Chlorobenzene	ND	4.7	0.9452	182933	01/16/12
1,1,1,2-Tetrachloroethane	ND	4.7	0.9452	182933	01/16/12
Ethylbenzene	ND	4.7	0.9452	182933	01/16/12
m,p-Xylenes	ND	4.7	0.9452	182933	01/16/12
o-Xylene	ND	4.7	0.9452	182933	01/16/12
Styrene	ND	4.7	0.9452	182933	01/16/12
Bromoform	ND	4.7	0.9452	182933	01/16/12
Isopropylbenzene	ND	4.7	0.9452	182933	01/16/12
1,1,2,2-Tetrachloroethane	ND	4.7	0.9452	182933	01/16/12
1,2,3-Trichloropropane	ND	4.7	0.9452	182933	01/16/12
Propylbenzene	ND	4.7	0.9452	182933	01/16/12
Bromobenzene	ND	4.7	0.9452	182933	01/16/12

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-5-5	Basis:	as received
Lab ID:	233799-004	Sampled:	01/13/12
Matrix:	Soil	Received:	01/13/12
Units:	ug/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
1,3,5-Trimethylbenzene	ND	4.7	0.9452	182933	01/16/12
2-Chlorotoluene	ND	4.7	0.9452	182933	01/16/12
4-Chlorotoluene	ND	4.7	0.9452	182933	01/16/12
tert-Butylbenzene	ND	4.7	0.9452	182933	01/16/12
1,2,4-Trimethylbenzene	ND	4.7	0.9452	182933	01/16/12
sec-Butylbenzene	ND	4.7	0.9452	182933	01/16/12
para-Isopropyl Toluene	ND	4.7	0.9452	182933	01/16/12
1,3-Dichlorobenzene	ND	4.7	0.9452	182933	01/16/12
1,4-Dichlorobenzene	ND	4.7	0.9452	182933	01/16/12
n-Butylbenzene	ND	4.7	0.9452	182933	01/16/12
1,2-Dichlorobenzene	ND	4.7	0.9452	182933	01/16/12
1,2-Dibromo-3-Chloropropane	ND	4.7	0.9452	182933	01/16/12
1,2,4-Trichlorobenzene	ND	4.7	0.9452	182933	01/16/12
Hexachlorobutadiene	ND	4.7	0.9452	182933	01/16/12
Naphthalene	ND	4.7	0.9452	182933	01/16/12
1,2,3-Trichlorobenzene	ND	4.7	0.9452	182933	01/16/12

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	110	74-133	0.9452	182933	01/16/12
1,2-Dichloroethane-d4	125	74-136	0.9452	182933	01/16/12
Toluene-d8	102	80-120	0.9452	182933	01/16/12
Bromofluorobenzene	110	77-130	0.9452	182933	01/16/12

ND= Not Detected  
 RL= Reporting Limit  
 Page 2 of 2

Volatile Organics			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 5030B
Project#:	2145 35TH AVENUE	Analysis:	EPA 8260B
Field ID:	S-6-5	Diln Fac:	2.008
Lab ID:	233799-005	Batch#:	183138
Matrix:	Soil	Sampled:	01/13/12
Units:	ug/Kg	Received:	01/13/12
Basis:	as received	Analyzed:	01/23/12

Analyte	Result	RL
Freon 12	ND	20
tert-Butyl Alcohol (TBA)	ND	200
Chloromethane	ND	20
Isopropyl Ether (DIPE)	ND	10
Vinyl Chloride	ND	20
Bromomethane	ND	20
Ethyl tert-Butyl Ether (ETBE)	ND	10
Chloroethane	ND	20
Methyl tert-Amyl Ether (TAME)	ND	10
Trichlorofluoromethane	ND	10
Acetone	270	40
Freon 113	ND	10
1,1-Dichloroethene	ND	10
Methylene Chloride	ND	40
Carbon Disulfide	ND	10
MTBE	ND	10
trans-1,2-Dichloroethene	ND	10
Vinyl Acetate	ND	100
1,1-Dichloroethane	ND	10
2-Butanone	ND	20
cis-1,2-Dichloroethene	ND	10
2,2-Dichloropropane	ND	10
Chloroform	ND	10
Bromochloromethane	ND	10
1,1,1-Trichloroethane	ND	10
1,1-Dichloropropene	ND	10
Carbon Tetrachloride	ND	10
1,2-Dichloroethane	ND	10
Benzene	ND	10
Trichloroethene	ND	10
1,2-Dichloropropane	ND	10
Bromodichloromethane	ND	10
Dibromomethane	ND	10
4-Methyl-2-Pentanone	ND	20
cis-1,3-Dichloropropene	ND	10
Toluene	ND	10
trans-1,3-Dichloropropene	ND	10
1,1,2-Trichloroethane	ND	10
2-Hexanone	ND	20
1,3-Dichloropropane	ND	10
Tetrachloroethene	ND	10
Dibromochloromethane	ND	10
1,2-Dibromoethane	ND	10
Chlorobenzene	ND	10
1,1,1,2-Tetrachloroethane	ND	10
Ethylbenzene	ND	10
m,p-Xylenes	ND	10
o-Xylene	ND	10
Styrene	ND	10
Bromoform	ND	10
Isopropylbenzene	ND	10
1,1,2,2-Tetrachloroethane	ND	10
1,2,3-Trichloropropane	ND	10
Propylbenzene	ND	10

ND= Not Detected  
 RL= Reporting Limit

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-6-5	Diln Fac: 2.008
Lab ID:	233799-005	Batch#: 183138
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/23/12

Analyte	Result	RL
Bromobenzene	ND	10
1,3,5-Trimethylbenzene	ND	10
2-Chlorotoluene	ND	10
4-Chlorotoluene	ND	10
tert-Butylbenzene	ND	10
1,2,4-Trimethylbenzene	ND	10
sec-Butylbenzene	ND	10
para-Isopropyl Toluene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
n-Butylbenzene	ND	10
1,2-Dichlorobenzene	ND	10
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	10

Surrogate	%REC	Limits
Dibromofluoromethane	108	74-133
1,2-Dichloroethane-d4	129	74-136
Toluene-d8	97	80-120
Bromofluorobenzene	102	77-130

ND= Not Detected  
 RL= Reporting Limit  
 Page 2 of 2

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Matrix:	Soil	Batch#: 182933
Units:	ug/Kg	Analyzed: 01/16/12
Diln Fac:	1.000	

Type: BS Lab ID: QC625308

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	113.8	91	46-135
Isopropyl Ether (DIPE)	25.00	19.70	79	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.04	88	64-120
Methyl tert-Amyl Ether (TAME)	25.00	20.20	81	68-120
1,1-Dichloroethene	25.00	28.75	115	71-125
Benzene	25.00	25.96	104	78-125
Trichloroethene	25.00	26.06	104	77-121
Toluene	25.00	26.51	106	79-120
Chlorobenzene	25.00	26.02	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	112	74-133
1,2-Dichloroethane-d4	114	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	98	77-130

Type: BSD Lab ID: QC625309

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	100.6	80	46-135	12	36
Isopropyl Ether (DIPE)	25.00	18.13	73	59-120	8	21
Ethyl tert-Butyl Ether (ETBE)	25.00	19.74	79	64-120	11	20
Methyl tert-Amyl Ether (TAME)	25.00	19.13	77	68-120	5	20
1,1-Dichloroethene	25.00	25.25	101	71-125	13	20
Benzene	25.00	24.42	98	78-125	6	20
Trichloroethene	25.00	25.52	102	77-121	2	20
Toluene	25.00	25.37	101	79-120	4	20
Chlorobenzene	25.00	24.76	99	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	107	74-133
1,2-Dichloroethane-d4	115	74-136
Toluene-d8	103	80-120
Bromofluorobenzene	100	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625310	Batch#: 182933
Matrix:	Soil	Analyzed: 01/16/12
Units:	ug/Kg	

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit



## Batch QC Report

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625310	Batch#: 182933
Matrix:	Soil	Analyzed: 01/16/12
Units:	ug/Kg	

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	111	74-133
1,2-Dichloroethane-d4	125	74-136
Toluene-d8	99	80-120
Bromofluorobenzene	103	77-130

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	S-2-7	Diln Fac: 0.9862
MSS Lab ID:	233799-001	Batch#: 182933
Matrix:	Soil	Sampled: 01/13/12
Units:	ug/Kg	Received: 01/13/12
Basis:	as received	Analyzed: 01/16/12

Type: MS Lab ID: QC625322

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<17.35	246.5	228.9	93	44-128
Isopropyl Ether (DIPE)	<1.407	49.31	44.29	90	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.5589	49.31	48.86	99	55-120
Methyl tert-Amyl Ether (TAME)	<0.5607	49.31	44.36	90	55-120
1,1-Dichloroethene	<1.233	49.31	49.53	100	55-127
Benzene	<0.6687	49.31	48.91	99	58-122
Trichloroethene	<0.7220	49.31	50.19	102	45-142
Toluene	<0.4501	49.31	49.79	101	54-120
Chlorobenzene	<0.3401	49.31	47.19	96	49-120

Surrogate	%REC	Limits
Dibromofluoromethane	109	74-133
1,2-Dichloroethane-d4	119	74-136
Toluene-d8	107	80-120
Bromofluorobenzene	100	77-130

Type: MSD Lab ID: QC625323

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	246.5	214.8	87	44-128	6	39
Isopropyl Ether (DIPE)	49.31	38.05	77	50-120	15	32
Ethyl tert-Butyl Ether (ETBE)	49.31	42.45	86	55-120	14	32
Methyl tert-Amyl Ether (TAME)	49.31	39.81	81	55-120	11	34
1,1-Dichloroethene	49.31	45.70	93	55-127	8	38
Benzene	49.31	47.16	96	58-122	4	37
Trichloroethene	49.31	49.92	101	45-142	1	41
Toluene	49.31	46.69	95	54-120	6	35
Chlorobenzene	49.31	44.96	91	49-120	5	38

Surrogate	%REC	Limits
Dibromofluoromethane	103	74-133
1,2-Dichloroethane-d4	118	74-136
Toluene-d8	102	80-120
Bromofluorobenzene	103	77-130

RPD= Relative Percent Difference

**Batch QC Report**

<b>Volatile Organics</b>		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	LCS	Diln Fac: 1.000
Lab ID:	QC625438	Batch#: 182968
Matrix:	Soil	Analyzed: 01/17/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Spiked</b>	<b>Result</b>	<b>%REC</b>	<b>Limits</b>
tert-Butyl Alcohol (TBA)	125.0	111.2	89	46-135
Isopropyl Ether (DIPE)	25.00	16.87	67	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	20.44	82	64-120
Methyl tert-Amyl Ether (TAME)	25.00	20.78	83	68-120
1,1-Dichloroethene	25.00	24.67	99	71-125
Benzene	25.00	24.27	97	78-125
Trichloroethene	25.00	27.28	109	77-121
Toluene	25.00	25.18	101	79-120
Chlorobenzene	25.00	26.13	105	80-120

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	99	74-133
1,2-Dichloroethane-d4	118	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	91	77-130

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625439	Batch#: 182968
Matrix:	Soil	Analyzed: 01/17/12
Units:	ug/Kg	

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

<b>Volatile Organics</b>		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625439	Batch#: 182968
Matrix:	Soil	Analyzed: 01/17/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	101	74-133
1,2-Dichloroethane-d4	126	74-136
Toluene-d8	102	80-120
Bromofluorobenzene	97	77-130

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#: 182968
MSS Lab ID:	233800-001	Sampled: 01/13/12
Matrix:	Soil	Received: 01/13/12
Units:	ug/Kg	Analyzed: 01/17/12
Basis:	as received	

Type: MS Diln Fac: 0.9709  
 Lab ID: QC625528

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<17.62	242.7	254.6	105	44-128
Isopropyl Ether (DIPE)	<1.429	48.54	37.70	78	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.5676	48.54	46.18	95	55-120
Methyl tert-Amyl Ether (TAME)	<0.5695	48.54	47.18	97	55-120
1,1-Dichloroethene	<1.252	48.54	41.80	86	55-127
Benzene	<0.6792	48.54	47.83	99	58-122
Trichloroethene	<0.7333	48.54	56.43	116	45-142
Toluene	<0.4571	48.54	47.59	98	54-120
Chlorobenzene	<0.3454	48.54	49.83	103	49-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	74-133
1,2-Dichloroethane-d4	134	74-136
Toluene-d8	102	80-120
Bromofluorobenzene	94	77-130

Type: MSD Diln Fac: 0.9766  
 Lab ID: QC625529

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	244.1	227.7	93	44-128	12	39
Isopropyl Ether (DIPE)	48.83	35.08	72	50-120	8	32
Ethyl tert-Butyl Ether (ETBE)	48.83	42.64	87	55-120	9	32
Methyl tert-Amyl Ether (TAME)	48.83	43.53	89	55-120	9	34
1,1-Dichloroethene	48.83	37.15	76	55-127	12	38
Benzene	48.83	41.18	84	58-122	16	37
Trichloroethene	48.83	46.37	95	45-142	20	41
Toluene	48.83	43.19	88	54-120	10	35
Chlorobenzene	48.83	43.81	90	49-120	13	38

Surrogate	%REC	Limits
Dibromofluoromethane	97	74-133
1,2-Dichloroethane-d4	121	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	96	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Matrix:	Soil	Batch#: 183099
Units:	ug/Kg	Analyzed: 01/20/12
Diln Fac:	1.000	

Type: BS Lab ID: QC625940

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	126.3	101	46-135
Isopropyl Ether (DIPE)	25.00	21.80	87	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	23.31	93	64-120
Methyl tert-Amyl Ether (TAME)	25.00	22.56	90	68-120
1,1-Dichloroethene	25.00	23.06	92	71-125
Benzene	25.00	24.94	100	78-125
Trichloroethene	25.00	23.18	93	77-121
Toluene	25.00	23.22	93	79-120
Chlorobenzene	25.00	24.99	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	74-133
1,2-Dichloroethane-d4	105	74-136
Toluene-d8	101	80-120
Bromofluorobenzene	99	77-130

Type: BSD Lab ID: QC625941

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	118.8	95	46-135	6	36
Isopropyl Ether (DIPE)	25.00	24.95	100	59-120	13	21
Ethyl tert-Butyl Ether (ETBE)	25.00	26.38	106	64-120	12	20
Methyl tert-Amyl Ether (TAME)	25.00	21.64	87	68-120	4	20
1,1-Dichloroethene	25.00	21.58	86	71-125	7	20
Benzene	25.00	24.20	97	78-125	3	20
Trichloroethene	25.00	23.33	93	77-121	1	20
Toluene	25.00	23.36	93	79-120	1	20
Chlorobenzene	25.00	24.98	100	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	74-133
1,2-Dichloroethane-d4	105	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	96	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625942	Batch#: 183099
Matrix:	Soil	Analyzed: 01/20/12
Units:	ug/Kg	

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit



**Batch QC Report**

<b>Volatile Organics</b>		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625942	Batch#: 183099
Matrix:	Soil	Analyzed: 01/20/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	101	74-133
1,2-Dichloroethane-d4	106	74-136
Toluene-d8	97	80-120
Bromofluorobenzene	102	77-130

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Matrix:	Soil	Batch#: 183101
Units:	ug/Kg	Analyzed: 01/20/12
Diln Fac:	1.000	

Type: BS Lab ID: QC625946

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	90.25	72	46-135
Isopropyl Ether (DIPE)	25.00	16.54	66	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	18.66	75	64-120
Methyl tert-Amyl Ether (TAME)	25.00	19.68	79	68-120
1,1-Dichloroethene	25.00	23.09	92	71-125
Benzene	25.00	25.03	100	78-125
Trichloroethene	25.00	26.37	105	77-121
Toluene	25.00	24.92	100	79-120
Chlorobenzene	25.00	25.64	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	94	74-133
1,2-Dichloroethane-d4	102	74-136
Toluene-d8	98	80-120
Bromofluorobenzene	92	77-130

Type: BSD Lab ID: QC625947

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	84.42	68	46-135	7	36
Isopropyl Ether (DIPE)	25.00	16.05	64	59-120	3	21
Ethyl tert-Butyl Ether (ETBE)	25.00	18.20	73	64-120	3	20
Methyl tert-Amyl Ether (TAME)	25.00	18.24	73	68-120	8	20
1,1-Dichloroethene	25.00	22.84	91	71-125	1	20
Benzene	25.00	22.77	91	78-125	9	20
Trichloroethene	25.00	24.31	97	77-121	8	20
Toluene	25.00	24.00	96	79-120	4	20
Chlorobenzene	25.00	24.65	99	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	74-133
1,2-Dichloroethane-d4	101	74-136
Toluene-d8	97	80-120
Bromofluorobenzene	91	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625948	Batch#: 183101
Matrix:	Soil	Analyzed: 01/20/12
Units:	ug/Kg	

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit

## Batch QC Report

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC625948	Batch#: 183101
Matrix:	Soil	Analyzed: 01/20/12
Units:	ug/Kg	

Analyte	Result	RL
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	97	74-133
1,2-Dichloroethane-d4	107	74-136
Toluene-d8	98	80-120
Bromofluorobenzene	94	77-130

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#: 183101
MSS Lab ID:	233868-001	Sampled: 01/18/12
Matrix:	Soil	Received: 01/18/12
Units:	ug/Kg	Analyzed: 01/22/12
Basis:	as received	

Type: MS Diln Fac: 0.9823  
 Lab ID: QC625964

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<17.76	245.6	155.3	63	44-128
Isopropyl Ether (DIPE)	<1.440	49.12	18.74	38 *	50-120
Ethyl tert-Butyl Ether (ETBE)	<0.5721	49.12	22.70	46 *	55-120
Methyl tert-Amyl Ether (TAME)	<0.5739	49.12	20.13	41 *	55-120
1,1-Dichloroethene	<1.262	49.12	30.68	62	55-127
Benzene	<0.6846	49.12	25.57	52 *	58-122
Trichloroethene	<0.7391	49.12	29.00	59	45-142
Toluene	<0.4607	49.12	26.29	54	54-120
Chlorobenzene	<0.3482	49.12	18.18	37 *	49-120

Surrogate	%REC	Limits
Dibromofluoromethane	114	74-133
1,2-Dichloroethane-d4	119	74-136
Toluene-d8	111	80-120
Bromofluorobenzene	148 *	77-130

Type: MSD Diln Fac: 0.9747  
 Lab ID: QC625965

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	243.7	117.3	48	44-128	27	39
Isopropyl Ether (DIPE)	48.73	16.94	35 *	50-120	9	32
Ethyl tert-Butyl Ether (ETBE)	48.73	20.25	42 *	55-120	11	32
Methyl tert-Amyl Ether (TAME)	48.73	17.26	35 *	55-120	15	34
1,1-Dichloroethene	48.73	30.91	63	55-127	2	38
Benzene	48.73	17.33	36 *	58-122	38	* 37
Trichloroethene	48.73	20.13	41 *	45-142	35	41
Toluene	48.73	14.38	30 *	54-120	58	* 35
Chlorobenzene	48.73	7.972	16 *	49-120	77	* 38

Surrogate	%REC	Limits
Dibromofluoromethane	115	74-133
1,2-Dichloroethane-d4	125	74-136
Toluene-d8	111	80-120
Bromofluorobenzene	146 *	77-130

\*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Matrix:	Soil	Batch#: 183138
Units:	ug/Kg	Analyzed: 01/23/12
Diln Fac:	1.000	

Type: BS Lab ID: QC626091

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	91.35	73	46-135
Isopropyl Ether (DIPE)	25.00	15.38	62	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	17.78	71	64-120
Methyl tert-Amyl Ether (TAME)	25.00	18.53	74	68-120
1,1-Dichloroethene	25.00	22.64	91	71-125
Benzene	25.00	22.82	91	78-125
Trichloroethene	25.00	24.69	99	77-121
Toluene	25.00	23.46	94	79-120
Chlorobenzene	25.00	23.66	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	74-133
1,2-Dichloroethane-d4	121	74-136
Toluene-d8	102	80-120
Bromofluorobenzene	95	77-130

Type: BSD Lab ID: QC626092

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	94.79	76	46-135	4	36
Isopropyl Ether (DIPE)	25.00	16.02	64	59-120	4	21
Ethyl tert-Butyl Ether (ETBE)	25.00	18.71	75	64-120	5	20
Methyl tert-Amyl Ether (TAME)	25.00	18.70	75	68-120	1	20
1,1-Dichloroethene	25.00	22.45	90	71-125	1	20
Benzene	25.00	22.96	92	78-125	1	20
Trichloroethene	25.00	24.92	100	77-121	1	20
Toluene	25.00	23.55	94	79-120	0	20
Chlorobenzene	25.00	25.12	100	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	74-133
1,2-Dichloroethane-d4	120	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	95	77-130

RPD= Relative Percent Difference

**Batch QC Report**

Volatile Organics		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC626093	Batch#: 183138
Matrix:	Soil	Analyzed: 01/23/12
Units:	ug/Kg	

Analyte	Result	RL
Freon 12	ND	10
tert-Butyl Alcohol (TBA)	ND	100
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	5.0
Vinyl Chloride	ND	10
Bromomethane	ND	10
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Chloroethane	ND	10
Methyl tert-Amyl Ether (TAME)	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

<b>Volatile Organics</b>		
Lab #:	233799	Location: 2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep: EPA 5030B
Project#:	2145 35TH AVENUE	Analysis: EPA 8260B
Type:	BLANK	Diln Fac: 1.000
Lab ID:	QC626093	Batch#: 183138
Matrix:	Soil	Analyzed: 01/23/12
Units:	ug/Kg	

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	109	74-133
1,2-Dichloroethane-d4	127	74-136
Toluene-d8	100	80-120
Bromofluorobenzene	99	77-130

ND= Not Detected  
 RL= Reporting Limit









**Batch QC Report**

California LUFT Metals			
Lab #:	233799	Location:	2145 35th Ave.-Salisbury, Oakland, CA
Client:	Eagle Env. Construction	Prep:	EPA 3050B
Project#:	2145 35TH AVENUE	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	182898
MSS Lab ID:	233776-001	Sampled:	01/12/12
Matrix:	Soil	Received:	01/12/12
Units:	mg/Kg	Prepared:	01/13/12
Basis:	as received	Analyzed:	01/13/12
Diln Fac:	1.000		

Type: MS Lab ID: QC625170

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	0.6092	9.804	8.706	83	72-120
Chromium	130.8	98.04	226.3	97	60-125
Lead	105.2	98.04	242.1	140 *	57-126
Nickel	237.7	24.51	206.8	-126 NM	45-139
Zinc	320.2	24.51	400.1	326 NM	41-148

Type: MSD Lab ID: QC625171

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	10.20	9.695	89	72-120	7	30
Chromium	102.0	240.0	107	60-125	4	34
Lead	102.0	206.0	99	57-126	18	43
Nickel	25.51	215.7	-87 NM	45-139	4	37
Zinc	25.51	2,304 >LR	7778 NM	41-148	NC	38

\*= Value outside of QC limits; see narrative

NC= Not Calculated

NM= Not Meaningful: Sample concentration > 4X spike concentration

>LR= Response exceeds instrument's linear range

RPD= Relative Percent Difference