

March 20, 2012

Project 730495403

Mark Detterman, PG, CEG  
Senior Hazardous Materials Specialist  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

Subject: Certification Letter  
Laboratory Analytical Report Upload  
5885 Hollis Street  
Emeryville, California  
SLIC Site RO0002621, Emeryville Industrial Court

**RECEIVED**

**4:21 pm, Mar 21, 2012**

Alameda County  
Environmental Health

Dear Mr. Detterman:

Per your request, the attached analytical report includes analytical data for borings TR-33 to TR-38 completed on 11 August 2005. The attached report has been uploaded on behalf of the current property owner, ES East Associates, LLC, an affiliate of Wareham Development, the developer of the property.

I declare, under penalty of perjury, that the information contained in the attached laboratory report is true and correct to the best of my knowledge.

If you have any questions, please call me at (415) 457-4964.

Sincerely yours,

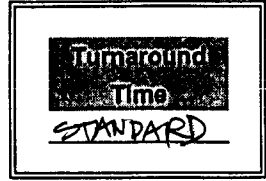


Geoffrey B. Sears  
WAREHAM DEVELOPMENT  
On behalf of ES East Associates, LLC

Attachment

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041  
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985  
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

Site Name: 5885 Hollis St  
 Job Number: 4069.01  
 Project Manager/Contact: Glenn Leong  
 Samplers: Eric Morita  
 Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix & Preservative							Total Lead	Soluble Lead using MEI	TPH - g/g	TPH - d/g 1 m.o.	BTEX	Analysis Requested		Remarks
				Soil	Water	Other	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ice						Other	Silica gel clean-up	
-1 TR-33-2.0		8:40		X														
-2 TR-33-4.0		8:50		X							X	X	X	X				
-3 TR-33-5.0		8:55		X														
-4 TR-33-6.0		9:00		X														
-5 TR-33-9.0		9:08		X							X	X	X	X				
-6 TR-33-11.0		9:15		X														
-7 TR-33-13.0		9:20		X														
-8 TR-33-15.0		9:25		X							X	X	X	X				
-9 TR-33-19.5		9:30		X														Received <input checked="" type="checkbox"/> On site <input type="checkbox"/> Cold <input type="checkbox"/> Ambient <input checked="" type="checkbox"/> Intact
-10 TR-34-2.0		10:00		X														
-11 TR-34-4.0		10:08		X							X	X	X	X				
-12 TR-34-5.0		10:15		X														
-13 TR-34-6.0		10:18		X														
-14 TR-34-9.0		10:23		X							X	X	X	X				
Relinquished by: (Signature) <u>[Signature]</u>			Date	Time			Received by: (Signature) <u>[Signature]</u>			Date	Time							
Relinquished by: (Signature)			Date	Time			Received by: (Signature)			Date	Time							
Relinquished by: (Signature)			Date	Time			Received by Lab: (Signature)			Date	Time							
Sent to Laboratory (Name): <u>CGT</u>							Method of Shipment <input type="checkbox"/> Lab courier <input type="checkbox"/> Fed Ex <input type="checkbox"/> Airborne <input type="checkbox"/> UPS											
Laboratory Comments/Notes:							<input checked="" type="checkbox"/> Hand Carried <input type="checkbox"/> Private Courier (Co. Name)											

181191

# CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041  
 2 Theatre Square, Suite 216, Orinda CA 94563 Ph: 925-253-4980 / Fax: 925-253-4985  
 501 14th Street, 3rd Floor, Oakland, CA 94612 Ph: 510-874-4500 / Fax: 510-874-4507

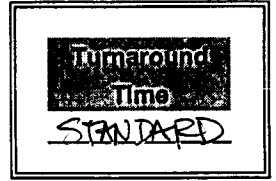
Site Name: 5885 Hollis St

Job Number: 4069.01

Project Manager/Contact: Green Leona

Samplers: Eric Monta

Recorder (Signature Required): [Signature]



Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix & Preservative							Analysis Requested					Silica gel clean-up	Hold	Remarks				
				Soil	Water	Other	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ice	Other	Total lead	Soluble lead using W/E	TPH-gas	TPH-diesel + M.O.				BTEX			
-15 TR-34-11.0		10:28		X																		
-16 TR-34-13.0		10:35		X																		
-17 TR-34-15.0		10:39		X								X	X	X	X							
-18 TR-34-19.5		10:45		X																		
-19 TR-35-2.0		11:18		X																		
-20 TR-35-4.0		11:23		X								X	X	X	X							
-21 TR-35-5.0		11:28		X																		
-22 TR-35-6.0		11:33		X																		
-23 TR-35-9.0		11:40		X								X	X	X	X							
-24 TR-35-11.0		11:44		X																		
-25 TR-35-13.0		11:50		X																		
-26 TR-35-15.0		12:00		X								X	X	X	X							
-27 TR-35-19.5		12:05		X																		
N/A				X																		

Received  Cool  Ambient  Intact  
 Cold  Ambient  Intact

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/11/05</u>	Time <u>16:50</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8/11/05</u>	Time <u>16:50</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): C&T  
 Laboratory Comments/Notes:

Method of Shipment:
  Lab courier
  Fed Ex
  Airborne
  UPS  
 Hand Carried
  Private Courier (Co. Name)

181191

# CHAIN OF CUSTODY RECORD

555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415-955-9040 / Fax: 415-955-9041  
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Site Name: 5885 Hollis St  
Job Number: 4069.01  
Project Manager/Contact: Glenn Leong  
Samplers: Eric Morita  
Recorder (Signature Required): [Signature]



-28  
-29  
-30  
-31  
-32  
-33  
-34  
-35  
-36

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix						No. Containers & Preservative					Analysis Requested						Silica gel clean-up	Hold	Remarks				
				Soil	Water	Other	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	Ice	Other	Total Lead	Soluble Lead by WET	TPH - gas	TPH - diesel #1.0	BTEX											
TR-36-4.0	8/11/05	13:07		X										X	X	X	X	X									
TR-36-10.0		13:12		X										X	X	X	X	X									
TR-36-15.0		13:17		X										X	X	X	X	X									
TR-37-4.0		14:08		X										X	X	X	X	X									
TR-37-10.0		14:21		X										X	X	X	X	X									
TR-37-15.0		14:31		X										X	X	X	X	X									
TR-38-4.0		14:50		X										X	X	X	X	X									
TR-38-10.0		14:56		X										X	X	X	X	X									
TR-38-15.0		15:09		X										X	X	X	X	X									

Received by:  Cold  Ambient  Intact

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>8/11/05</u>	Time <u>16:50</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>8/11/05</u>	Time <u>16:50</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): C&T

Laboratory Comments/Notes:

Method of Shipment  Lab courier  Fed Ex  Airborne  UPS  
 Hand Carried  Private Courier (Co. Name)

SOP Volume: Client Services  
Section: 1.1.2  
Page: 1 of 1  
Effective Date: 10-May-99  
Revision: 1 Number 1 of 3  
Filename: F:\QC\FORMS\QC\Cooler.wpd



## COOLER RECEIPT CHECKLIST

Login#: 181191 Date Received: 8-11-05 Number of Coolers: 1  
Client: Treadwell & Roll Project: 4069.01

### A. Preliminary Examination Phase

Date Opened: 8-11-05 By (print): Troy Windsor (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES  NO
2. Were custody seals on outside of cooler?..... YES  NO  
How many and where? \_\_\_\_\_ Seal date: \_\_\_\_\_ Seal name: \_\_\_\_\_
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES  NO N/A
4. Were custody papers dry and intact when received?.....  YES  NO
5. Were custody papers filled out properly (ink, signed, etc.)?.....  YES  NO
6. Did you sign the custody papers in the appropriate place?.....  YES  NO
7. Was project identifiable from custody papers?.....  YES  NO  
If YES, enter project name at the top of this form.
8. If required, was sufficient ice used? Samples should be 2-6 degrees C. .... YES  NO  
Type of ice: wet Temperature: cold - no temp blank

### B. Login Phase

Date Logged In: 8-11-05 By (print): Troy Windsor (sign) [Signature]

1. Describe type of packing in cooler: In ziploc type bags
2. Did all bottles arrive unbroken?.....  YES  NO
3. Were labels in good condition and complete (ID, date, time, signature, etc.)?...  YES  NO
4. Did bottle labels agree with custody papers?.....  YES  NO
5. Were appropriate containers used for the tests indicated?.....  YES  NO
6. Were correct preservatives added to samples?..... YES  NO N/A
7. Was sufficient amount of sample sent for tests indicated?.....  YES  NO
8. Were bubbles absent in VOA samples? If NO, list sample Ids below..... YES  NO N/A
9. Was the client contacted concerning this sample delivery?..... YES  NO

If YES, give details below.

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ Date: \_\_\_\_\_

Additional Comments:

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**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-33-4.0                      Lab ID: 181191-002  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.91	mg/Kg EPA	8015B
Benzene	ND	4.5	ug/Kg EPA	8021B
Toluene	ND	4.5	ug/Kg EPA	8021B
Ethylbenzene	ND	4.5	ug/Kg EPA	8021B
m,p-Xylenes	ND	4.5	ug/Kg EPA	8021B
o-Xylene	ND	4.5	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	60-138	EPA 8015B
Bromofluorobenzene (FID)	95	66-148	EPA 8015B
Trifluorotoluene (PID)	115	62-126	EPA 8021B
Bromofluorobenzene (PID)	118	72-133	EPA 8021B

Field ID: TR-33-9.0                      Lab ID: 181191-005  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg EPA	8015B
Benzene	ND	5.3	ug/Kg EPA	8021B
Toluene	ND	5.3	ug/Kg EPA	8021B
Ethylbenzene	ND	5.3	ug/Kg EPA	8021B
m,p-Xylenes	ND	5.3	ug/Kg EPA	8021B
o-Xylene	ND	5.3	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	60-138	EPA 8015B
Bromofluorobenzene (FID)	99	66-148	EPA 8015B
Trifluorotoluene (PID)	115	62-126	EPA 8021B
Bromofluorobenzene (PID)	118	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
 H= Heavier hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks  
 ND= Not Detected  
 RL= Reporting Limit

**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-33-15.0                                      Lab ID: 181191-008  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.92	mg/Kg	EPA 8015B
Benzene	ND	4.6	ug/Kg	EPA 8021B
Toluene	ND	4.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.6	ug/Kg	EPA 8021B
o-Xylene	ND	4.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	60-138	EPA 8015B
Bromofluorobenzene (FID)	95	66-148	EPA 8015B
Trifluorotoluene (PID)	114	62-126	EPA 8021B
Bromofluorobenzene (PID)	117	72-133	EPA 8021B

Field ID: TR-34-4.0                                      Lab ID: 181191-011  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	ND	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	60-138	EPA 8015B
Bromofluorobenzene (FID)	103	66-148	EPA 8015B
Trifluorotoluene (PID)	115	62-126	EPA 8021B
Bromofluorobenzene (PID)	119	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
 H= Heavier hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks  
 ND= Not Detected  
 RL= Reporting Limit





**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-35-4.0                      Lab ID: 181191-020  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.6	ug/Kg	EPA 8021B
Toluene	ND	5.6	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.6	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.6	ug/Kg	EPA 8021B
o-Xylene	ND	5.6	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	60-138	EPA 8015B
Bromofluorobenzene (FID)	95	66-148	EPA 8015B
Trifluorotoluene (PID)	116	62-126	EPA 8021B
Bromofluorobenzene (PID)	118	72-133	EPA 8021B

Field ID: TR-35-9.0                      Lab ID: 181191-023  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	60-138	EPA 8015B
Bromofluorobenzene (FID)	95	66-148	EPA 8015B
Trifluorotoluene (PID)	82	62-126	EPA 8021B
Bromofluorobenzene (PID)	87	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
C= Presence confirmed, but RPD between columns exceeds 40%  
H= Heavier hydrocarbons contributed to the quantitation  
Y= Sample exhibits chromatographic pattern which does not resemble standard  
Z= Sample exhibits unknown single peak or peaks  
ND= Not Detected  
RL= Reporting Limit

**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-35-15.0 Lab ID: 181191-026  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.7 Z	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.1	ug/Kg	EPA 8021B
Toluene	ND	5.1	ug/Kg	EPA 8021B
Ethylbenzene	76	5.1	ug/Kg	EPA 8021B
m,p-Xylenes	490	5.1	ug/Kg	EPA 8021B
o-Xylene	160	5.1	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	60-138	EPA 8015B
Bromofluorobenzene (FID)	92	66-148	EPA 8015B
Trifluorotoluene (PID)	80	62-126	EPA 8021B
Bromofluorobenzene (PID)	88	72-133	EPA 8021B

Field ID: TR-36-4.0 Lab ID: 181191-028  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.97	mg/Kg	EPA 8015B
Benzene	ND	4.9	ug/Kg	EPA 8021B
Toluene	ND	4.9	ug/Kg	EPA 8021B
Ethylbenzene	ND	4.9	ug/Kg	EPA 8021B
m,p-Xylenes	ND	4.9	ug/Kg	EPA 8021B
o-Xylene	ND	4.9	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	60-138	EPA 8015B
Bromofluorobenzene (FID)	91	66-148	EPA 8015B
Trifluorotoluene (PID)	80	62-126	EPA 8021B
Bromofluorobenzene (PID)	85	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
 H= Heavier hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks  
 ND= Not Detected  
 RL= Reporting Limit



**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-37-4.0                      Lab ID: 181191-031  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.92	mg/Kg EPA	8015B
Benzene	ND	4.6	ug/Kg EPA	8021B
Toluene	ND	4.6	ug/Kg EPA	8021B
Ethylbenzene	ND	4.6	ug/Kg EPA	8021B
m,p-Xylenes	ND	4.6	ug/Kg EPA	8021B
o-Xylene	ND	4.6	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	60-138	EPA 8015B
Bromofluorobenzene (FID)	91	66-148	EPA 8015B
Trifluorotoluene (PID)	81	62-126	EPA 8021B
Bromofluorobenzene (PID)	85	72-133	EPA 8021B

Field ID: TR-37-10.0                      Lab ID: 181191-032  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.99	mg/Kg EPA	8015B
Benzene	ND	5.0	ug/Kg EPA	8021B
Toluene	ND	5.0	ug/Kg EPA	8021B
Ethylbenzene	ND	5.0	ug/Kg EPA	8021B
m,p-Xylenes	ND	5.0	ug/Kg EPA	8021B
o-Xylene	ND	5.0	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	60-138	EPA 8015B
Bromofluorobenzene (FID)	97	66-148	EPA 8015B
Trifluorotoluene (PID)	88	62-126	EPA 8021B
Bromofluorobenzene (PID)	91	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
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 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks  
 ND= Not Detected  
 RL= Reporting Limit  
 Page 7 of 10

**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-37-15.0      Lab ID: 181191-033  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	0.92	mg/Kg EPA	8015B
Benzene	ND	4.6	ug/Kg EPA	8021B
Toluene	ND	4.6	ug/Kg EPA	8021B
Ethylbenzene	ND	4.6	ug/Kg EPA	8021B
m,p-Xylenes	ND	4.6	ug/Kg EPA	8021B
o-Xylene	ND	4.6	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	60-138	EPA 8015B
Bromofluorobenzene (FID)	94	66-148	EPA 8015B
Trifluorotoluene (PID)	85	62-126	EPA 8021B
Bromofluorobenzene (PID)	88	72-133	EPA 8021B

Field ID: TR-38-4.0      Lab ID: 181191-034  
Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	1.9 H Y	0.92	mg/Kg EPA	8015B
Benzene	ND	4.6	ug/Kg EPA	8021B
Toluene	ND	4.6	ug/Kg EPA	8021B
Ethylbenzene	ND	4.6	ug/Kg EPA	8021B
m,p-Xylenes	ND	4.6	ug/Kg EPA	8021B
o-Xylene	ND	4.6	ug/Kg EPA	8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	60-138	EPA 8015B
Bromofluorobenzene (FID)	117	66-148	EPA 8015B
Trifluorotoluene (PID)	86	62-126	EPA 8021B
Bromofluorobenzene (PID)	94	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
C= Presence confirmed, but RPD between columns exceeds 40%  
H= Heavier hydrocarbons contributed to the quantitation  
Y= Sample exhibits chromatographic pattern which does not resemble standard  
Z= Sample exhibits unknown single peak or peaks  
ND= Not Detected

**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Field ID: TR-38-10.0                      Lab ID: 181191-035  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	16 H Y	1.1	mg/Kg	EPA 8015B
Benzene	ND	5.4	ug/Kg	EPA 8021B
Toluene	ND	5.4	ug/Kg	EPA 8021B
Ethylbenzene	8.1 C	5.4	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.4	ug/Kg	EPA 8021B
o-Xylene	12 C	5.4	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	60-138	EPA 8015B
Bromofluorobenzene (FID)	190 *	66-148	EPA 8015B
Trifluorotoluene (PID)	87	62-126	EPA 8021B
Bromofluorobenzene (PID)	107	72-133	EPA 8021B

Field ID: TR-38-15.0                      Lab ID: 181191-036  
 Type: SAMPLE

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	93	60-138	EPA 8015B
Bromofluorobenzene (FID)	96	66-148	EPA 8015B
Trifluorotoluene (PID)	84	62-126	EPA 8021B
Bromofluorobenzene (PID)	88	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
 H= Heavier hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks

**Curtis & Tompkins Laboratories Analytical Report**

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01		
Matrix:	Soil	Sampled:	08/11/05
Basis:	as received	Received:	08/11/05
Diln Fac:	1.000	Analyzed:	08/12/05
Batch#:	104771		

Type: BLANK Lab ID: QC304817

Analyte	Result	RL	Units	Analysis
Gasoline C7-C12	ND	1.0	mg/Kg	EPA 8015B
Benzene	ND	5.0	ug/Kg	EPA 8021B
Toluene	ND	5.0	ug/Kg	EPA 8021B
Ethylbenzene	ND	5.0	ug/Kg	EPA 8021B
m,p-Xylenes	ND	5.0	ug/Kg	EPA 8021B
o-Xylene	ND	5.0	ug/Kg	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	60-138	EPA 8015B
Bromofluorobenzene (FID)	97	66-148	EPA 8015B
Trifluorotoluene (PID)	118	62-126	EPA 8021B
Bromofluorobenzene (PID)	121	72-133	EPA 8021B

\*= Value outside of QC limits; see narrative  
 C= Presence confirmed, but RPD between columns exceeds 40%  
 H= Heavier hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 Z= Sample exhibits unknown single peak or peaks

ND= Not Detected  
 RL= Reporting Limit  
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### Total Extractable Hydrocarbons

Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Batch#:	104799		

Field ID:	TR-33-4.0	Diln Fac:	20.00
Type:	SAMPLE	Analyzed:	08/14/05
Lab ID:	181191-002		

Analyte	Result	RL
Diesel C10-C24	1,600 H Y	20
Motor Oil C24-C36	2,200 L	100

Surrogate	%REC	Limits
Hexacosane	DO	51-136

Field ID:	TR-33-9.0	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/14/05
Lab ID:	181191-005		

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

Surrogate	%REC	Limits
Hexacosane	79	51-136

Field ID:	TR-33-15.0	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/14/05
Lab ID:	181191-008		

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

Surrogate	%REC	Limits
Hexacosane	74	51-136

Field ID:	TR-34-4.0	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	08/14/05
Lab ID:	181191-011		

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

Surrogate	%REC	Limits
Hexacosane	60	51-136

H= Heavier hydrocarbons contributed to the quantitation  
 L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 DO= Diluted Out  
 ND= Not Detected  
 RL= Reporting Limit

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Total Extractable Hydrocarbons			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Batch#:	104799		

Field ID: TR-34-9.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-014

Analyte	Result	RL
Diesel C10-C24	1.9 H Y	0.99
Motor Oil C24-C36	27	5.0

Surrogate	%REC	Limits
Hexacosane	79	51-136

Field ID: TR-34-15.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-017

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

Surrogate	%REC	Limits
Hexacosane	69	51-136

Field ID: TR-35-4.0 Diln Fac: 10.00  
 Type: SAMPLE Analyzed: 08/15/05  
 Lab ID: 181191-020

Analyte	Result	RL
Diesel C10-C24	2,100 H	10
Motor Oil C24-C36	2,000 L	50

Surrogate	%REC	Limits
Hexacosane	DO	51-136

Field ID: TR-35-9.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-023

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

Surrogate	%REC	Limits
Hexacosane	80	51-136

H= Heavier hydrocarbons contributed to the quantitation  
 L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 DO= Diluted Out  
 ND= Not Detected  
 RL= Reporting Limit  
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Total Extractable Hydrocarbons			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Batch#:	104799		

Field ID: TR-35-15.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-026

Analyte	Result	RL
Diesel C10-C24	2.4 H Y	1.0
Motor Oil C24-C36	17	5.0

Surrogate	%REC	Limits
Hexacosane	71	51-136

Field ID: TR-36-4.0 Diln Fac: 20.00  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-028

Analyte	Result	RL
Diesel C10-C24	1,700 H Y	20
Motor Oil C24-C36	3,000 L	100

Surrogate	%REC	Limits
Hexacosane	DO	51-136

Field ID: TR-36-10.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-029

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

Surrogate	%REC	Limits
Hexacosane	66	51-136

Field ID: TR-36-15.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-030

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

Surrogate	%REC	Limits
Hexacosane	58	51-136

H= Heavier hydrocarbons contributed to the quantitation  
 L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 DO= Diluted Out  
 ND= Not Detected  
 RL= Reporting Limit  
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Total Extractable Hydrocarbons			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Batch#:	104799		

Field ID: TR-37-4.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/15/05  
 Lab ID: 181191-031

Analyte	Result	RL
Diesel C10-C24	55 H Y	0.99
Motor Oil C24-C36	190	5.0

Surrogate	%REC	Limits
Hexacosane	92	51-136

Field ID: TR-37-10.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-032

Analyte	Result	RL
Diesel C10-C24	1.0 H Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	72	51-136

Field ID: TR-37-15.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-033

Analyte	Result	RL
Diesel C10-C24	9.1 H Y	1.0
Motor Oil C24-C36	46	5.0

Surrogate	%REC	Limits
Hexacosane	68	51-136

Field ID: TR-38-4.0 Diln Fac: 10.00  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-034

Analyte	Result	RL
Diesel C10-C24	460 H L Y	10
Motor Oil C24-C36	1,900	50

Surrogate	%REC	Limits
Hexacosane	DO	51-136

H= Heavier hydrocarbons contributed to the quantitation  
 L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 DO= Diluted Out  
 ND= Not Detected  
 RL= Reporting Limit  
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Total Extractable Hydrocarbons			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	SHAKER TABLE
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Batch#:	104799		

Field ID: TR-38-10.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-035

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

Surrogate	%REC	Limits
Hexacosane	64	51-136

Field ID: TR-38-15.0 Diln Fac: 1.000  
 Type: SAMPLE Analyzed: 08/14/05  
 Lab ID: 181191-036

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

Surrogate	%REC	Limits
Hexacosane	65	51-136

Type: BLANK Diln Fac: 1.000  
 Lab ID: QC304930 Analyzed: 08/14/05

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

Surrogate	%REC	Limits
Hexacosane	79	51-136

H= Heavier hydrocarbons contributed to the quantitation  
 L= Lighter hydrocarbons contributed to the quantitation  
 Y= Sample exhibits chromatographic pattern which does not resemble standard  
 DO= Diluted Out  
 ND= Not Detected  
 RL= Reporting Limit  
 Page 5 of 5

Lead			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	EPA 3050B
Project#:	4069.01	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	104770
Matrix:	Soil	Sampled:	08/11/05
Units:	mg/Kg	Received:	08/11/05
Basis:	as received	Prepared:	08/12/05
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Analyzed
TR-33-4.0	SAMPLE	181191-002	180	0.14	08/12/05
TR-33-9.0	SAMPLE	181191-005	4.6	0.11	08/12/05
TR-33-15.0	SAMPLE	181191-008	3.9	0.12	08/12/05
TR-34-4.0	SAMPLE	181191-011	4.0	0.12	08/12/05
TR-34-9.0	SAMPLE	181191-014	6.6	0.14	08/12/05
TR-34-15.0	SAMPLE	181191-017	5.0	0.091	08/12/05
TR-35-4.0	SAMPLE	181191-020	41	0.14	08/12/05
TR-35-9.0	SAMPLE	181191-023	5.3	0.14	08/12/05
TR-35-15.0	SAMPLE	181191-026	4.1	0.14	08/12/05
TR-36-4.0	SAMPLE	181191-028	180	0.11	08/12/05
TR-36-10.0	SAMPLE	181191-029	7.4	0.14	08/12/05
TR-36-15.0	SAMPLE	181191-030	5.2	0.13	08/12/05
TR-37-4.0	SAMPLE	181191-031	22	0.10	08/12/05
TR-37-10.0	SAMPLE	181191-032	6.7	0.16	08/12/05
TR-37-15.0	SAMPLE	181191-033	6.9	0.12	08/12/05
TR-38-4.0	SAMPLE	181191-034	49	0.11	08/12/05
TR-38-10.0	SAMPLE	181191-035	3.8	0.13	08/12/05
TR-38-15.0	SAMPLE	181191-036	6.4	0.11	08/12/05
	BLANK	QC304812	ND	0.15	08/13/05

Lead			
Lab #:	181191	Location:	Emeryville Industrial Ct
Client:	Treadwell & Rollo	Prep:	WET
Project#:	4069.01	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	08/11/05
Matrix:	WET Leachate	Received:	08/11/05
Units:	ug/L	Prepared:	08/17/05
Batch#:	104903	Analyzed:	08/17/05

Field ID	Type	Lab ID	Result	RL	Diln Fac
TR-33-4.0	SAMPLE	181191-002	540	150	10.00
TR-33-9.0	SAMPLE	181191-005	160	110	7.500
TR-33-15.0	SAMPLE	181191-008	ND	110	7.500
TR-34-4.0	SAMPLE	181191-011	ND	110	7.500
TR-34-9.0	SAMPLE	181191-014	ND	110	7.500
TR-34-15.0	SAMPLE	181191-017	ND	110	7.500
TR-35-4.0	SAMPLE	181191-020	ND	110	7.500
TR-35-9.0	SAMPLE	181191-023	ND	150	10.00
TR-35-15.0	SAMPLE	181191-026	260	150	10.00
TR-36-4.0	SAMPLE	181191-028	ND	150	10.00
TR-36-10.0	SAMPLE	181191-029	ND	150	10.00
TR-36-15.0	SAMPLE	181191-030	300	150	10.00
TR-37-4.0	SAMPLE	181191-031	ND	150	10.00
TR-37-10.0	SAMPLE	181191-032	160	150	10.00
TR-37-15.0	SAMPLE	181191-033	200	150	10.00
TR-38-4.0	SAMPLE	181191-034	ND	150	10.00
TR-38-10.0	SAMPLE	181191-035	210	150	10.00
TR-38-15.0	SAMPLE	181191-036	ND	150	10.00
	BLANK	QC305310	ND	150	10.00