WAREHAM
DEVELOPMENT

July 28, 2008

Project 4069.01

Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: Certification Letter
July 2008 Groundwater Sampling
5885 Hollis Street
Emeryville, California
SLIC Site RO0002621, Emeryville Industrial Court

Dear Ms. Jakub:

The attached July 2008 Groundwater Sampling Letter Report from Treadwell & Rollo provides the results of the groundwater sampling conducted in accordance with the Treadwell & Rollo July 9, 2008 Work Plan submitted to you for SLIC Site RO0002621, located at 5885 Hollis Street, Emeryville, California (the Site). The attached report has been prepared 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 and/or recommendations contained in the attached document or 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,

James A. Goddard
Wareham Development
for ES East Associates, LLC

Treadwell&Rollo

28 July 2008
Project 4069.01

Barbara Jakub
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Subject: July 2008 Groundwater Sampling
5885 Hollis Street
Emeryville, California
SLIC Site RO0002621, Emeryville Industrial Court

Dear Ms. Jakub:

This letter report summarizes the results of the groundwater sampling performed by Treadwell & Rollo, Inc. on 22 July 2008 for SLIC Site RO0002621, located at 5885 Hollis Street in Emeryville, California (Site) (Figure 1) on behalf of Wareham Development (Wareham). The sampling was conducted in accordance with the Treadwell & Rollo 9 July 2008 document *Work Plan for Groundwater Sampling*, which was submitted to you and uploaded to the Alameda County Environmental Health (ACEH) FTP site. This report includes a brief Site background, a description of field activities, discussion of the analytical results, and conclusions and recommendations. Attached to this letter report is a summary table of analytical results and associated figures.

SITE BACKGROUND

The Site consists of an approximately 120,000 square foot rectangular-shaped lot which is occupied by a recently completed three-story commercial building. The commercial building includes a parking garage that extends below grade into the shallow groundwater. The garage foundation includes a membrane-based waterproofing and ventilation for the vehicles. The Site is bound by Hollis Street to the east, Peladeau Street to the west, 59th Street to the north, and a Chevron Service Station (former Unocal/ConocoPhillips service station) to the south. Other adjacent land use includes office and warehouse buildings.

Numerous environmental investigations have been conducted at the Site prior to the most recent development. Site management activities, including soil excavation across approximately 95 percent of the Site, construction dewatering, and site capping were documented in the 5 January 2007 Treadwell & Rollo *Site Management Completion Report.* The 22 January 2007 letter from Mr. Barney Chan of ACEH regarding the *Site Management Completion Report* indicated that additional groundwater sampling was required at the southwest corner of the Site based on the result of samples collected from a construction dewatering well in that area. Several communications have occurred between Treadwell & Rollo and Mr. Chan regarding the potential impacts to groundwater at the subject location from either the adjacent Unocal/ConocoPhillips gasoline service station at 1400 Powell Street or from the former Union Oil Company operations that spanned both the Site and the service station.

Based on recent correspondence between Glenn Leong of Treadwell & Rollo and ACEH, grab groundwater sampling by E S East Associates LLC (an affiliate of Wareham Development) at the southwest corner of the Site will provide sufficient information to evaluate a no further action status of the Site. The

9 July 2008 *Work Plan for Groundwater Sampling* was submitted to ACEH and this letter report summarizes the results of the groundwater sampling.

FIELD INVESTIGATION ACTIVITIES

Prior to drilling activities, Treadwell & Rollo obtained a drilling permit (No. W2008-0433), from Alameda County Public Works Agency, notified Underground Services Alert (Ticket No. 272223), and retained the services of Cruz Brothers Locators, Inc., a private utility locator based in Scotts Valley, California, to perform a subsurface utility survey at the proposed drilling location.

Drilling and sampling activities were performed at the Site on 22 July 2008. Treadwell & Rollo retained the services of Vironex, Inc., based in Pacheco, California to provide drilling and groundwater sampling services. One boring, TR-GW, was advanced in the southwest corner of the Site with direct push technology (Figure 2). TR-GW was logged to a maximum observed depth of 32 feet below ground surface (bgs). The boring log for TR-GW is included in Attachment A.

TR-GW was advanced past the anticipated groundwater depth (9-11 feet bgs) to approximately 32 feet bgs, the depth at which groundwater was first detected during this drilling. After the completion of drilling, a 1" diameter pre-pack temporary PVC well casing with a stainless steel slotted section from 25 to 30 feet bgs was placed in the bore hole for grab groundwater sampling activities. The grab groundwater sample was collected from TR-GW using a disposable bailer and placed into laboratory-supplied containers which were then secured, labeled, and placed in an ice-chilled cooler.

The grab groundwater sample was transported under Chain-of-Custody protocol to Curtis & Tompkins, Ltd., a California-certified laboratory located in Berkeley, California. Details of the laboratory analysis program are described below. Upon completion of groundwater sampling activities, the temporary well location was destroyed by removing the PVC casing and tremie grouting the hole with Portland cement. The top of the boring was surfaced with concrete to match the existing surface.

LABORATORY ANALYSES

The groundwater sample was analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) quantified as gasoline (TPH-g) by EPA Method 8015M
- TPH quantified as diesel (TPH-d) and motor oil (TPH-mo) by EPA 8015M with silica gel cleanup
- Volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), methyl tert-amyl ether (TAME), tert-butyl alcohol (TBA), ethanol, 1,2-dibromoethane (EDB), and 1,2-dichloroethane (EDC) by EPA Method 8260B

RESULTS

Laboratory analytical results for the grab groundwater sample collected at TR-GW are summarized on Table 1, which also includes the results of samples collected from the construction dewatering wells between April and July 2006. Analytical results were compared to the following benchmarks:

- The San Francisco Bay Regional Water Quality Control Board's (SF-RWQCB) 2008 Environmental Screening Levels (ESLs) for groundwater that is not a current or potential source of drinking water (Table B of SF-RWQCB, 2008)

- ESLs for gross contamination ceiling value (Table F-1b of SF-RWQCB, 2008)

- ESLs for groundwater for evaluation of vapor intrusion concerns under a commercial land use (Table E-1 of SF-RWQCB, 2008)

Concentrations of benzene, ethylbenzene, xylenes, and EDC are below the groundwater ESLs listed in Table B of SF-RWQCB, 2008. TPHg and TPHd concentrations are slightly greater than the groundwater ESLs. Because the Site is located more than 1,500 feet from the San Francisco Bay, most of Emeryville was constructed on fill material, and the Site and surrounding properties are under commercial land use it is appropriate to compare TPHg and TPHd concentrations to gross contamination ceiling value ESLs (Table F-1b ESLs), rather than the aquatic habitat goal values that are used as the basis for the Table B ESLs.

As noted in Figure 2, TR-GW was located approximately 15 feet from construction dewatering well DW-14, which had TPH-g concentrations between 77 to 1,800 micrograms per liter (µg/l), as well as detections of benzene, toluene, ethylbenzene, xylenes, and EDC. The results for TR-GW were within the range or less than the range of the results from well DW-14.

- TPH-g was detected at 430 µg/l, which is below the ESL for gross contamination (there is no ESL for the evaluation of potential vapor concerns for TPH-g). This concentration is within the lower range of the TPH-g detected in DW-14.

- TPH-d was detected at 560 µg/l, which is below the ESL for gross contamination (there is no ESL for the evaluation of potential vapor concerns for TPH-d). This concentration is slightly above the highest concentration reported from DW-14 (440 µg/l). Consistent with the sampling at DW-14, the laboratory reported that the chromatographic pattern for TPH-d in TR-GW does not resemble the standard.

- Benzene, ethylbenzene, xylenes, and EDC were detected at concentrations below both the general groundwater ESLs, the gross concentration ESLs, and the ESLs for the evaluation of potential vapor concerns.

- TBA, MTBE, DIPE, ETBE, TAME, Ethanol and EDB were not detected above laboratory reporting limits.

SUMMARY

The purpose of the July 2008 Groundwater Sampling was to address the remaining ACEH issue associated with the 5 January 2007 Treadwell & Rollo *Site Management Completion Report.* The results of the grab groundwater sampling indicate that residual TPH-related chemicals are present in groundwater at the southwestern corner of the Site, but at concentrations below gross contamination and vapor intrusion ESLs. The TPH-g and detected volatile organic compound concentrations in groundwater are within the low range of concentrations previously detected in the nearby construction dewatering well and all detected chemical concentrations are less than concentrations that would be indicative of the presence of free-phase liquid in the subsurface. The presence of EDC in the groundwater sample is consistent with the construction dewatering sample results and may be indicative of potential groundwater impacts to the Site from the adjacent Unocal/ConocoPhillips gasoline service station at 1400 Powell Street.

Based on the results of the July 2008 groundwater sampling and the site mitigation activities completed to date, we request that ACEH issue a letter of completion for the site mitigation activities and that no further action is required for the Site located at 5885 Hollis Street in Emeryville, California.

If you have any questions, please contact Grover Buhr at (510) 874-4500 or Glenn Leong at (415) 272-6986.

Sincerely yours,
TREADWELL & ROLLO, INC.

Glenn M. Leong
Senior Associate

Grover S. Buhr, P.G. No. 5596
Senior Geologist

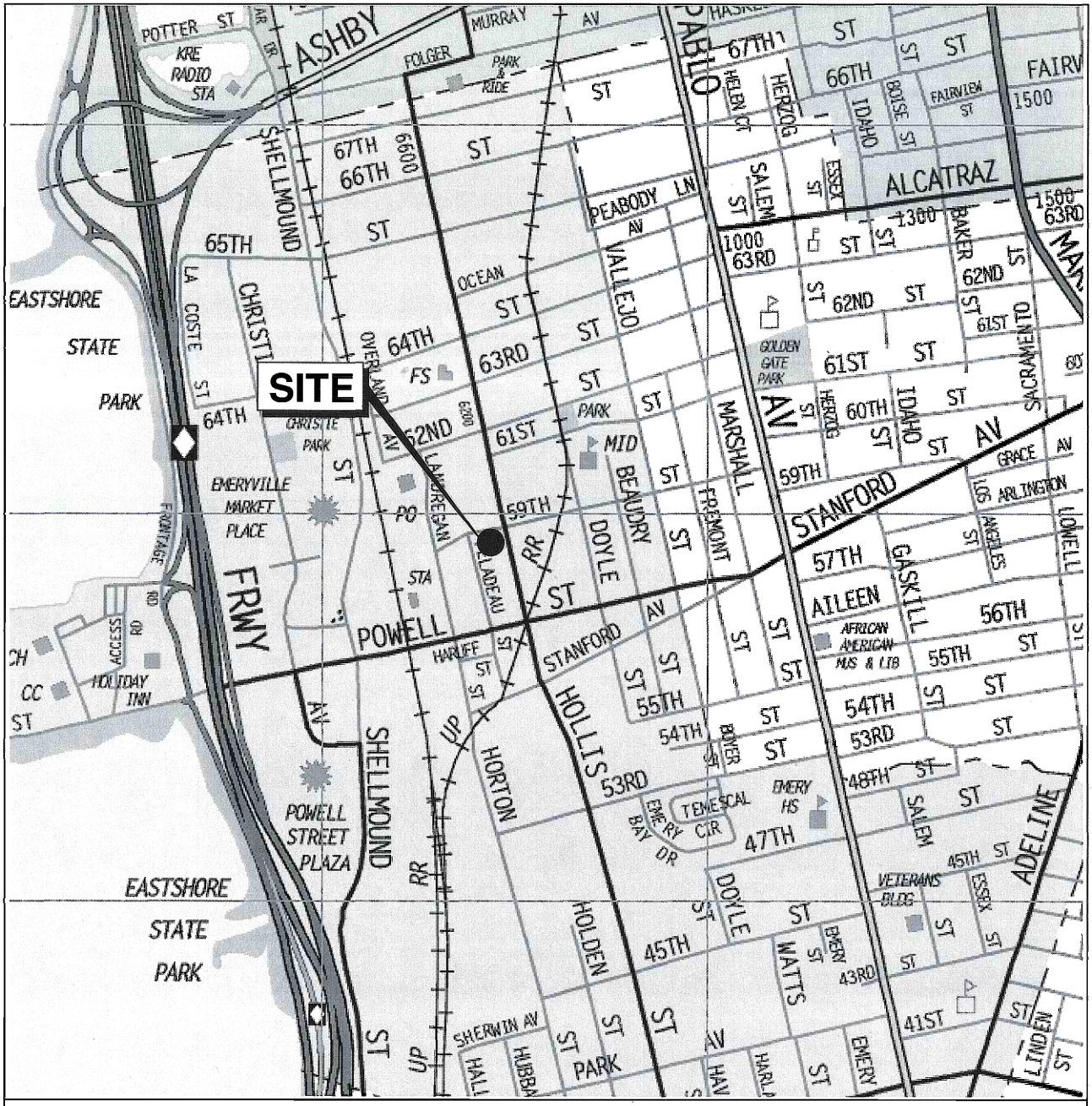
PROFESSIONAL GEOLOGIST
GROVER BUHR
STATE OF CALIFORNIA

40690108.OAK

Figures 1 and 2

Table 1

Attachment A – Boring Log
Attachment B – Laboratory Report



Base map: The Thomas Guide
Alameda County
1999

No scale

5885 HOLLIS STREET
Emeryville, California

SITE LOCATION MAP

Treadwell&Rollo

Date 05/13/05	Project No. 4069.01	Figure 1

HOLLIS STREET

59TH STREET

Emeryville Chevron Service Station

5885 | 5885 | 5847 | 5845 | 5845 | 5845 | 5835 | 5805 | 5805 | 5805 | 5876 | 5874 | 5872 | 5866 | 5862 | 5868 | 5858 | 5895 | 5890 | 5870 | 5864 | 5860 | 5856 | 5856 | 5850 | 5840 | 5830 | 5810 | 5880 | 5870

1 2 3 4 5 6 7 8 9 10 11 12

TR-39 TR-40 TR-41 TR-42 TR-43 TR-44 TR-45 TR-46 TR-46A TR-47 TR-48 TR-49 TR-50 TR-51 TR-52 TR-53 TR-54 TR-55 TR-56

DW-11 DW-14 DW-24

TR-GW

Paint & Thinners

Inks, Paints and Solvents

Paints and Adhesives

Loading Dock

Yard

Approximate Location of TPHd/ TPHmo in Soil Detected in 1995/ 1999

Former 10,000-gallon Gasoline UST (Approximate)

Asphalt Paved Parking Area

Drums

Waste oil AST

Paint Cabinets

Storage Area

Furniture Storage

2 - 3,000-gallon Waste Oil ASTs

PELADEAU STREET

HISTORICAL TENANTS

1. McLaughlin Coffee
2. BMP Seismic Retrofitting
3. Graphic Traffic
4. Canova Marble
5. S.B. Thomas
6. Pro-Formance Lighting
7. Edy's Candy Kitchen
8. Correris Cabinets
9. Fleetcare Repair
10. TLC Windshield
11. Ellerson Weaver
12. Alpha Furniture Restoration

■ Location of Post Excavation Soil Sample

⊠ Location of Dewatering Wells Sampled

▬ ▬ Limits of Excavation

⊕ Grab groundwater location 7/22/08

Note: Site features from Environmental Site Assessment, March 19, 1995 (Weiss Associates). All locations are approximate.

0 40 Feet

Approximate scale

5885 HOLLIS STREET
Emeryville, California

SITE PLAN

Date 07/24/08	Project No. 4069.01	Figure 2

Treadwell&Rollo

S:\Trgraphics-Oak\4000's\4069.01\406901_Propose Grab groundwater location

Table 1
GROUNDWATER ANALYTICAL RESULTS
Grab Groundwater Sample and Previous Dewatering Samples
5885 Hollis Street
Emeryville, California

Treadwell&Rollo

Sample ID	Sample Date	TPH			VOCs													
		Gasoline	Diesel Fuel	Motor Oil	TBA	MTBE	DIPE	ETBE	TAME	Ethanol	B	T	E	X	EDB	EDC	Other VOCs
DW-11	4/13/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	--	--	--
DW-11																	
DW-11	4/18/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	All ND
DW-11	4/26/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**9.8**	<0.5	<0.5	<5.0	<5.0	--
DW-11	5/3/2006	<50	**130 Y**	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**2.3**	<0.5	<0.5	<5.0	<5.0	--
DW-11	5/10/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**0.9**	<0.5	<0.5	<5.0	<5.0	--
DW-11	5/17/2006	<50	**100 Y**	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**0.6**	<0.5	<0.5	<5.0	<5.0	--
DW-11	5/23/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	**0.5**	<0.5	<0.5	<5.0	<5.0	--
DW-11	6/1/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	6/8/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	6/16/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	6/22/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	6/30/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	7/5/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	7/12/2006	<50	**78 Y**	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	7/18/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-11	7/27/2006	<50	<50	<300	<10	<0.5	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	--
DW-14	4/13/2006	**77 L Y**	<50	<300	**72**	<0.5	<0.5	<0.5	<0.5	<1,000	**10**	**0.8**	<0.5	**0.6**	--	--	--
DW-14	4/18/2006	**250**	**110Y**	<300	**72**	<0.5	<0.5	<0.5	<0.5	<1,000	**22**	**1.3**	**6.4**	**5.7**	<0.5	**19**	Isopropyl Benzene = 1.9 Propyl Benzene = 1.7 1,3,5 Trimethylbenzene = 1.9 1,2,4 Trimethylbenzene = 0.8 para-Isopropyl Toluene = 1.3 n-Butylbenzene = 0.6 All Others ND
DW-14	4/26/2006	**630**	**440 L**	<300	**76**	<0.5	<0.5	<0.5	<0.5	<1,000	**42**	**4.9**	**14**	**6.8**	<5.0	**16**	--
DW-14	5/3/2006	**620**	**370 L Y**	<300	**64**	<0.5	<0.5	<0.5	<0.5	<1,000	**39**	**1.8**	**21**	**10**	<5.0	**18**	--
DW-14	5/10/2006	**450**	**250 L Y**	<300	**83**	<0.5	<0.5	<0.5	<0.5	<1,000	**11**	**2.4**	**8.6**	**4.9**	<5.0	**15**	--
DW-14	5/17/2006	**450**	**340 Y**	<300	**44**	<0.5	<0.5	<0.5	<0.5	<1,000	**37**	**0.6**	**9.1**	**6.2**	<5.0	**16**	--
DW-14	5/23/2006	**390**	**110 L Y**	<300	**30**	<0.5	<0.5	<0.5	<0.5	<1,000	**28**	<0.5	**4.9**	**3.3**	<5.0	**15**	--
DW-14	6/1/2006	**1,800**	**360 L Y**	<300	**58**	<0.5	<0.5	<0.5	<0.5	<1,000	**55**	**1.2**	**41**	**28**	<5.0	**16**	--
DW-14	6/8/2006	**520**	**130 L Y**	<300	**40**	<0.5	<0.5	<0.5	<0.5	<1,000	**37**	<0.5	**6.0**	**4.7**	<5.0	**16**	--
DW-14	6/16/2006	**580**	**150 L Y**	<300	**34**	<0.5	<0.5	<0.5	<0.5	<1,000	**35**	<0.5	**6.4**	**5.4**	<5.0	**15**	--
DW-14	6/22/2006	**1,200**	**320 L Y**	<300	**47**	<0.5	<0.5	<0.5	<0.5	<1,000	**34**	**0.5**	**7.6**	**9.7**	<5.0	**14**	--
DW-14	6/30/2006	**970**	**270 L Y**	<300	**35**	<0.5	<0.5	<0.5	<0.5	<1,000	**30**	<0.5	**6.7**	**5.6**	<5.0	**15**	--
DW-14	7/5/2006	**950**	**230 L Y**	<300	**37**	<0.5	<0.5	<0.5	<0.5	<1,000	**38**	<0.5	**6.1**	**5.2**	<5.0	**16**	--
DW-14	7/12/2006	**850 Y**	<50	<300	**24**	<0.5	<0.5	<0.5	<0.5	<1,000	**26**	<0.5	**6.9**	**4.6**	<5.0	**14**	--
DW-14	7/18/2006	**980**	**220 L Y**	<300	**57**	<0.5	<0.5	<0.5	<0.5	<1,000	**39**	<0.5	**6.5**	**4.8**	<5.0	**14**	--
DW-14	7/27/2006	**670**	**170 L Y**	<300	**51**	<0.5	<0.5	<0.5	<0.5	<1,000	**38**	**0.5**	**3.2**	**5.3**	<5.0	**15**	--
DW-24	4/13/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	4/18/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	4/26/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
GROUNDWATER ANALYTICAL RESULTS
Grab Groundwater Sample and Previous Dewatering Samples
5885 Hollis Street
Emeryville, California

Treadwell&Rollo

Sample ID	Sample Date	TPH			VOCs												
		Gasoline	Diesel Fuel	Motor Oil	TBA	MTBE	DIPE	ETBE	TAME	Ethanol	B	T	E	X	EDB	EDC	Other VOCs
DW-24	5/3/2006	--	**63 Y**	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	5/10/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	5/17/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	5/23/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	6/1/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	6/8/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	6/16/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	6/22/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	6/30/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	7/5/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	7/12/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	7/18/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-24	7/27/2006	--	<50	<300	--	--	--	--	--	--	--	--	--	--	--	--	--
TR-GW	7/22/2008	**430**	**560 Y**	<300	<10	<0.5	<0.5	<0.5	<0.5	<0.5	**3.8**	<0.5	**3.5**	**0.6**	<5.0	**13**	Isopropyl Benzene = 2.5 Propyl Benzene = 3.3 sec-Butylbenzene = 1.0 para-Isopropyl Toluene = 0.9 n-Butylbenzene = 1.3 All Others ND
ESLs - Tier 1		210	210	210	18,000	1,800	NE	NE	NE	NE	46	130	43	100	150	200	NE
ESLs - Gross Contamination		5,000	2,500	2,500	50,000	1,800	NE	NE	NE	NE	20,000	400	300	5,300	50,000	50,000	NE
ESLs - Vapor Intrusion		NE	NE	NE	NE	NE	NE	NE	NE	NE	1,800	530,000	170,000	160,000	510	690	NE

Notes
All water results reported in micrograms per liter (µg/L). Detected concentrations shown in **bold**.
L = Lighter hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble standard.
Total petroleum hydrocarbons analyzed by EPA Method 8015M. Volatile organic compounds (VOCs) analyzed by EPA Method 8260B.
Fuel oxygenates include tert-Butyl Alcohol (TBA), Methyl tert-Butyl ether (MTBE), Isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), and Methyl tert-Amyl Ether (TAME)
B = Benzene, T = Toluene, E = Ethylbenzene, X = Total Xylenes
Lead scavengers include 1,2 dibromoethane (EDB) and 1,2 dichloroethane (EDC)
Other VOCs = Other volatile organic compounds described in the laboratory analytical report
<0.5 = Compound not detected above laboratory reporting limit.
-- = Not Analyzed
NE = Not Established
ND = Not detected above laboratory detection limits. Detection limits vary for each constituent.

ESLs = Environmental Screening Levels, California Regional Water Quality Control Board, San Francisco Bay Region, November 2007 (revised May 2008). Based on criteria where water is not a current or potential source of drinking water (Table B. Environmental Screening Levels), (Table F-1b. Groundwater Screening Levels), and (Table E-1. Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, under commercial land use)

Shaded results indicate that results exceeded ESL criteria for their respective constituent.

Treadwell&Rollo

ATTACHMENT A
BORING LOG

PROJECT: **5885 HOLLIS STREET**
Emeryville, California

Log of Boring TR-GW

Boring location: See Site Plan, Figure 2

Logged by: J. Gekov
Drilled By: Vironex, Inc.

Date started: 7/22/08 | Date finished: 7/22/08

Drilling method: Direct Push

Hammer weight/drop: -- | Hammer type: --

Sampler: Continuous Core

DEPTH (feet)	SAMPLES: Sample Number	Sample	Blow Count	Recovery (inches)	OVM (ppm)	LITHOLOGY	MATERIAL DESCRIPTION
1–3						CL	SANDY GRAVELLY CLAY (CL) dark brown, medium dense to soft, moist, non plastic, weak hydrocarbon odor, 10 percent gravel, 10 percent fine sand, 80 percent fines contains debris hand augered to 5 feet
4–5						CL	SAND CLAY (CL) dark brown, soft, moist, slightly plastic, weak hydrocarbon odor, 10 percent fine sand, 90 percent fines
6–8						CL	SANDY CLAY (CL) brown-green, soft, moist, slightly plastic, weak hydrocarbon odor, 15 percent fine sand, 85 percent fines
9–10						CL	SANDY CLAY (CL) brown-green, soft, moist, slightly plastic, weak hydrocarbon odor, 20 percent fine sand, 80 percent fines
11–12						CL	SANDY GRAVELLY CLAY (CL) light brown to green, medium stiff, moist, subangular gravel to 1/4-inch, slightly plastic, weak hydrocarbon odor, 10 percent gravel, 10 percent sand, 80 percent fines
13–16						SC-CL	SANDY GRAVELLY CLAY (SC-CL) light brown with black and orange mottling, medium stiff, moist, subangular, slightly plastic, moderately graded, no odor, 20 percent gravel, 30 percent medium sand, 50 percent fines
17–32						CL	SANDY CLAY (CL) light brown with iron-oxide staining, soft, moist, no odor, 15 percent fine sand, 85 percent fines
33							

▼ Groundwater encountered at a depth of 32 feet below ground surface

▽ Boring backfilled with cement grout

Boring terminated at 32 feet below ground surface
Boring backfilled with cement grout
Groundwater was encountered at a depth of 32 feet below ground surface
Soil properties based on visual observations only.

Treadwell&Rollo

Project No 4069.01 | Figure A-1

TEST ENVIRONMENTAL 406901-TR-GW.GPJ T&R.GDT 7/28/08

UNIFIED SOIL CLASSIFICATION SYSTEM

Major Divisions		Symbols	Typical Names
Coarse-Grained Soils (more than half of soil > no. 200 sieve size	Gravels (More than half of coarse fraction > no. 4 sieve size)	GW	Well-graded gravels or gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction < no. 4 sieve size)	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
Fine -Grained Soils (more than half of soil < no. 200 sieve size)	Silts and Clays LL = < 50	ML	Inorganic silts and clayey silts of low plasticity, sandy silts, gravelly silts
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, lean clays
		OL	Organic silts and organic silt-clays of low plasticity
	Silts and Clays LL = > 50	MH	Inorganic silts of high plasticity
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic silts and clays of high plasticity
Highly Organic Soils		PT	Peat and other highly organic soils

GRAIN SIZE CHART

Classification	Range of Grain Sizes	
	U.S. Standard Sieve Size	Grain Size in Millimeters
Boulders	Above 12"	Above 305
Cobbles	12" to 3"	305 to 76.2
Gravel	3" to No. 4	76.2 to 4.76
coarse	3" to 3/4"	76.2 to 19.1
fine	3/4" to No. 4	19.1 to 4.76
Sand	No. 4 to No. 200	4.76 to 0.074
coarse	No 4 to No. 10	4.76 to 2.00
medium	No. 10 to No. 40	2.00 to 0.420
fine	No. 40 to No. 200	0.420 to 0.074
Silt and Clay	Below No. 200	Below 0.074

Unstabilized groundwater level

Stabilized groundwater level

SAMPLE DESIGNATIONS/SYMBOLS

Sample taken with split-barrel sampler other than Standard Penetration Test sampler. Darkened area indicates soil recovered

Classification sample taken with Standard Penetration Test sampler

Undisturbed sample taken with thin-walled tube

Disturbed sample

Sampling attempted with no recovery

Core sample

Analytical laboratory sample

Sample taken with Direct Push sampler

SAMPLER TYPE

C Core barrel

CA California split-barrel sampler with 2.5-inch outside diameter and a 1.93-inch inside diameter

D&M Dames & Moore piston sampler using 2.5-inch outside diameter, thin-walled tube

O Osterberg piston sampler using 3.0-inch outside diameter, thin-walled Shelby tube

PT Pitcher tube sampler using 3.0-inch outside diameter, thin-walled Shelby tube

S&H Sprague & Henwood split-barrel sampler with a 3.0-inch outside diameter and a 2.43-inch inside diameter

SPT Standard Penetration Test (SPT) split-barrel sampler with a 2.0-inch outside diameter and a 1.5-inch inside diameter

ST Shelby Tube (3.0-inch outside diameter, thin-walled tube) advanced with hydraulic pressure

5885 HOLLIS STREET
Emeryville, California

CLASSIFICATION CHART

Treadwell&Rollo

Date 07/24/08 | Project No. 4069.01 | Figure A-2

ATTACHMENT B
LABORATORY ANALYTICAL REPORT

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 204806
ANALYTICAL REPORT

Treadwell & Rollo	Project : 4069.01
501 14th Street	Location : 5885 Hollis St.
Oakland, CA 94612	Level : II

Sample ID	Lab ID
TR-GW	204806-001

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 signatures. 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: _____ Date: 07/25/2008
Project Manager

Signature: _____ Date: 07/25/2008
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**204806**
Client:	**Treadwell & Rollo**
Project:	**4069.01**
Location:	**5885 Hollis St.**
Request Date:	**07/22/08**
Samples Received:	**07/22/08**

This hardcopy data package contains sample and QC results for one water sample, requested for the above referenced project on 07/22/08. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recoveries were observed for bromofluorobenzene (FID) in TR-GW (lab # 204806-001) and the MS/MSD of TR-GW (lab # 204806-001); the corresponding trifluorotoluene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-GW	Batch#:	140625
Matrix:	Water	Sampled:	07/22/08
Units:	ug/L	Received:	07/22/08
Diln Fac:	1.000	Analyzed:	07/23/08

Type: SAMPLE Lab ID: 204806-001

Analyte	Result	RL
Gasoline C7-C12	430	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	69-140
Bromofluorobenzene (FID)	155 *	73-144

Type: BLANK Lab ID: QC452145

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	72	69-140
Bromofluorobenzene (FID)	137	73-144

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC452146	Batch#:	140625
Matrix:	Water	Analyzed:	07/23/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	951.0	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	97	69-140
Bromofluorobenzene (FID)	144	73-144

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-GW	Batch#:	140625
MSS Lab ID:	204806-001	Sampled:	07/22/08
Matrix:	Water	Received:	07/22/08
Units:	ug/L	Analyzed:	07/23/08
Diln Fac:	1.000		

Type: MS Lab ID: QC452150

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	431.0	2,000	2,123	85	67-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	112	69-140
Bromofluorobenzene (FID)	167 *	73-144

Type: MSD Lab ID: QC452151

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,090	83	67-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	69-140
Bromofluorobenzene (FID)	163 *	73-144

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

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Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe184.met

Software Version 3.1.7
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Analysis Date: 7/23/2008 1:05:07 PM
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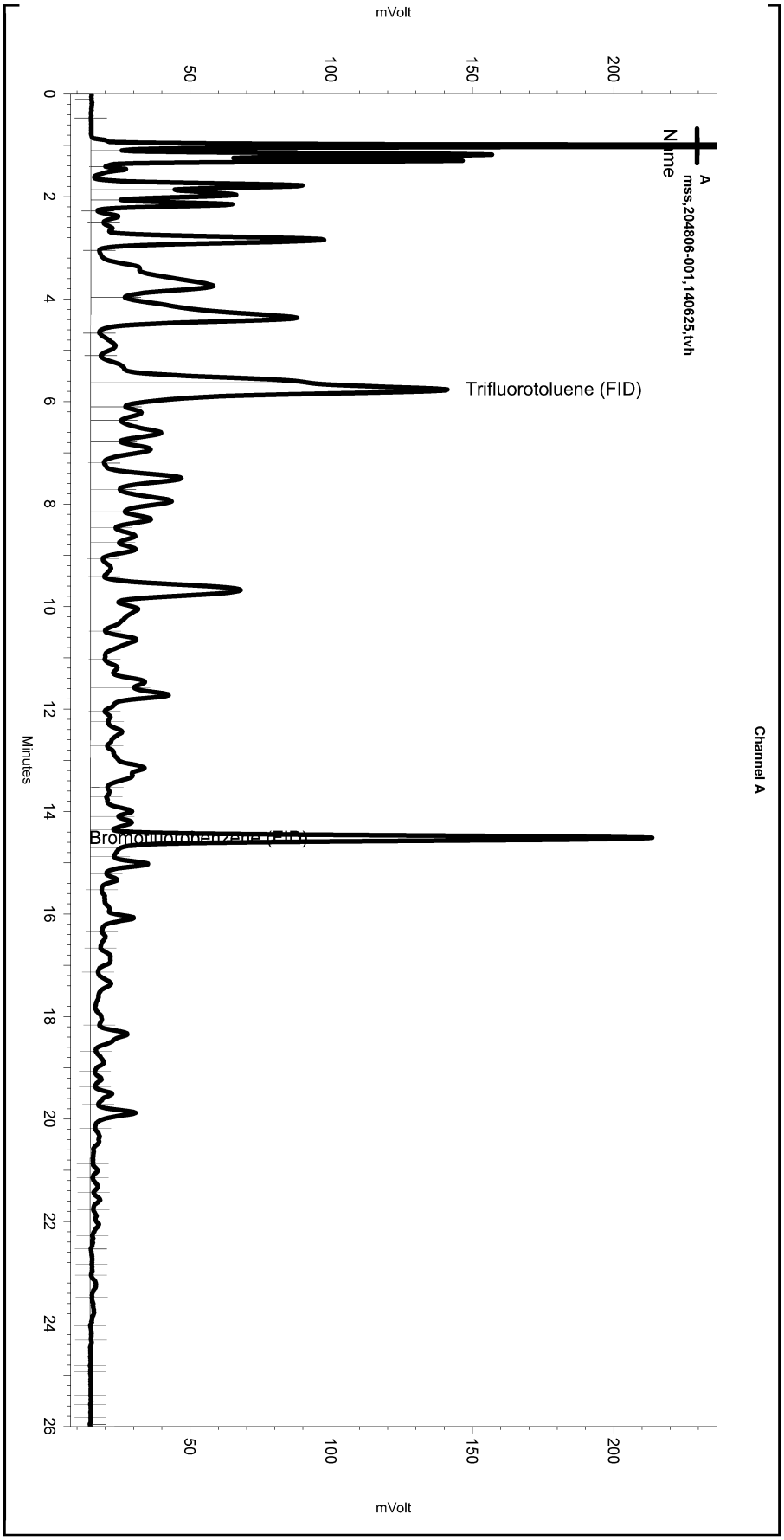
Vial & pH or Core ID: {Data Description}



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Yes	Threshold	0	0	50

Manual Integration Fixes

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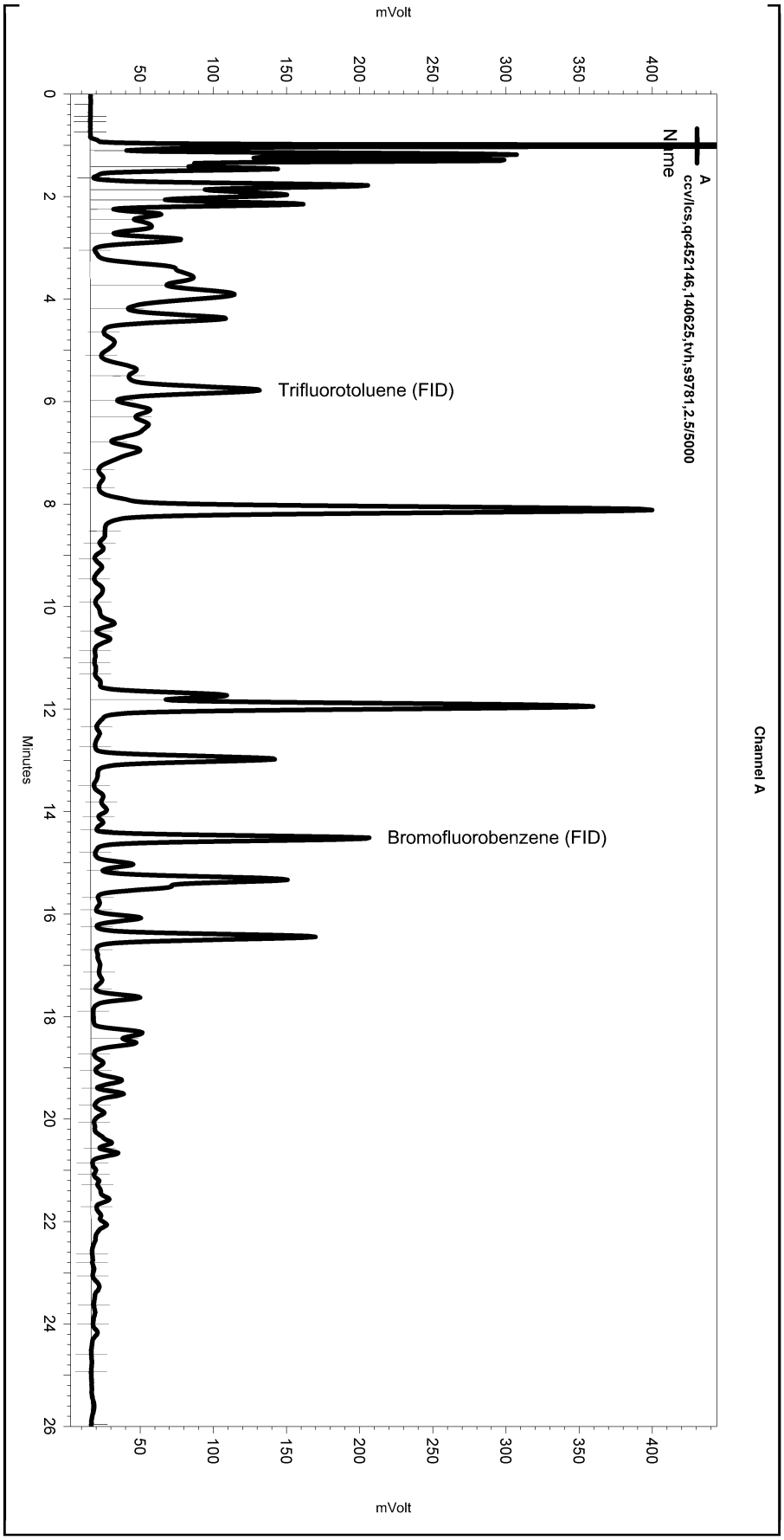

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Integration Events

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\GC04\Data\205_002

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Field ID:	TR-GW	Sampled:	07/22/08
Matrix:	Water	Received:	07/22/08
Units:	ug/L	Prepared:	07/22/08
Diln Fac:	1.000	Analyzed:	07/23/08
Batch#:	140610		

Type: SAMPLE Lab ID: 204806-001

Analyte	Result	RL
Diesel C10-C24	560 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	96	63-130

Type: BLANK Lab ID: QC452072

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	113	63-130

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	4069.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	140610
Units:	ug/L	Prepared:	07/22/08
Diln Fac:	1.000	Analyzed:	07/23/08

Type: BS Lab ID: QC452073

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,455	98	61-120

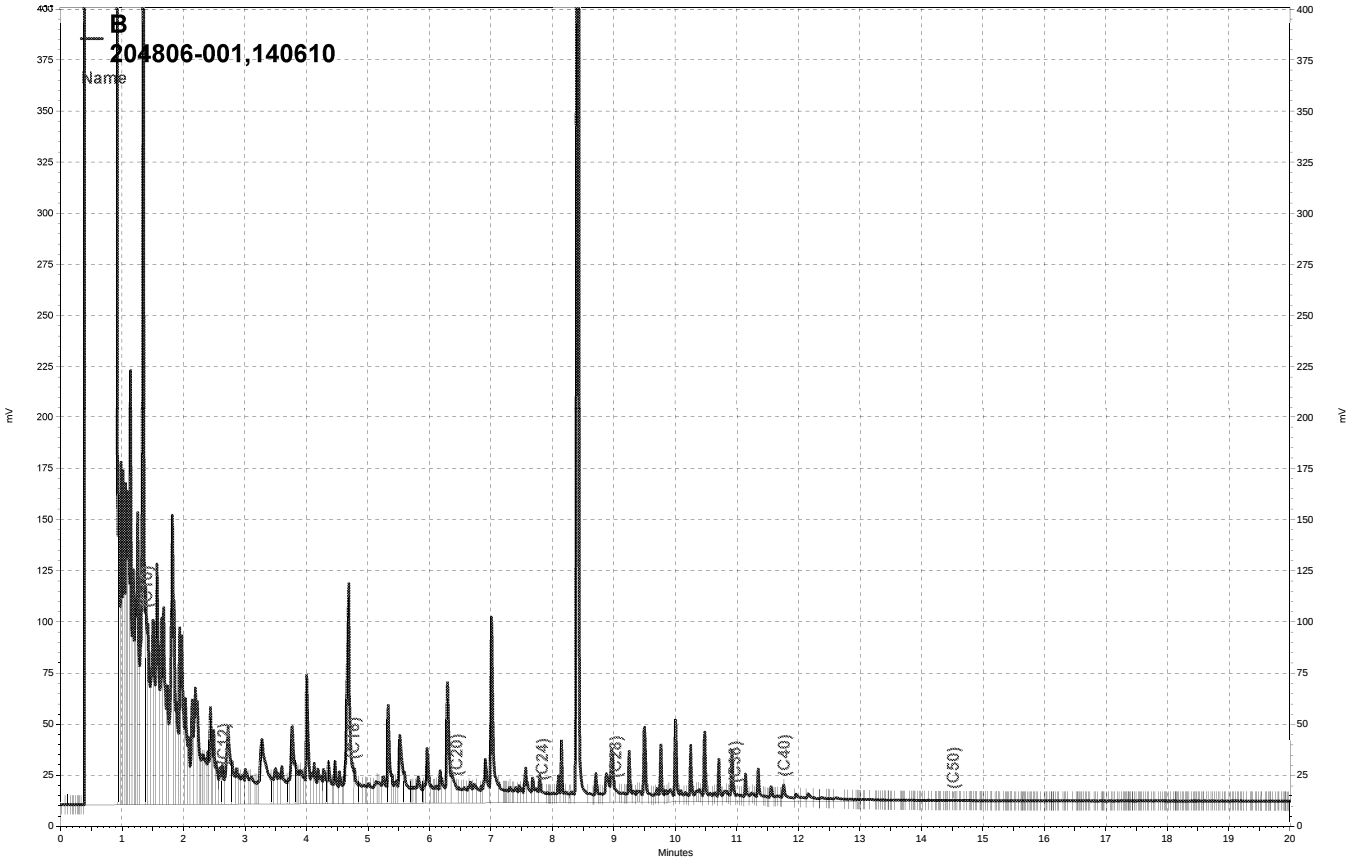
Surrogate	%REC	Limits
Hexacosane	93	63-130

Type: BSD Lab ID: QC452074

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,424	97	61-120	1	29

Surrogate	%REC	Limits
Hexacosane	92	63-130

RPD= Relative Percent Difference



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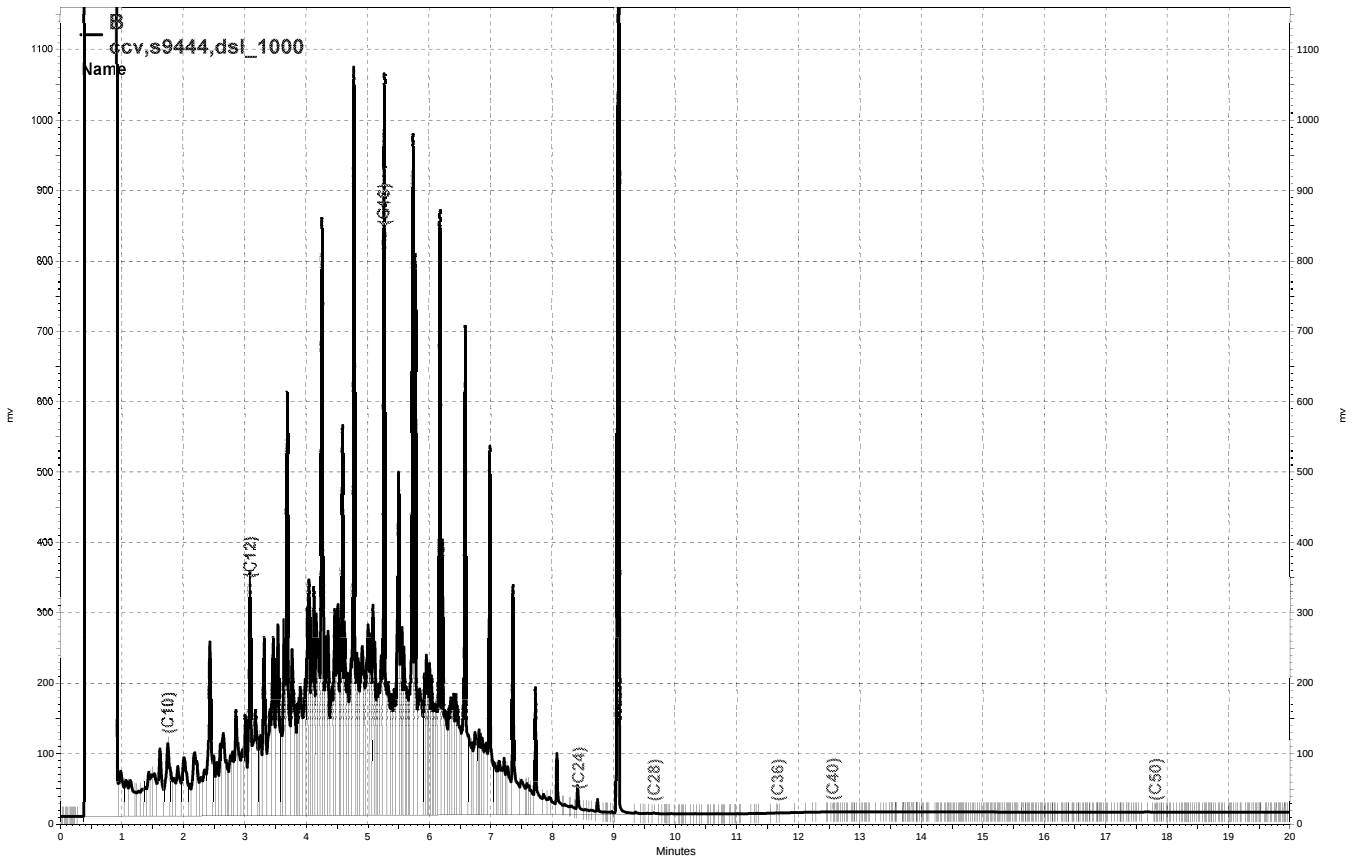

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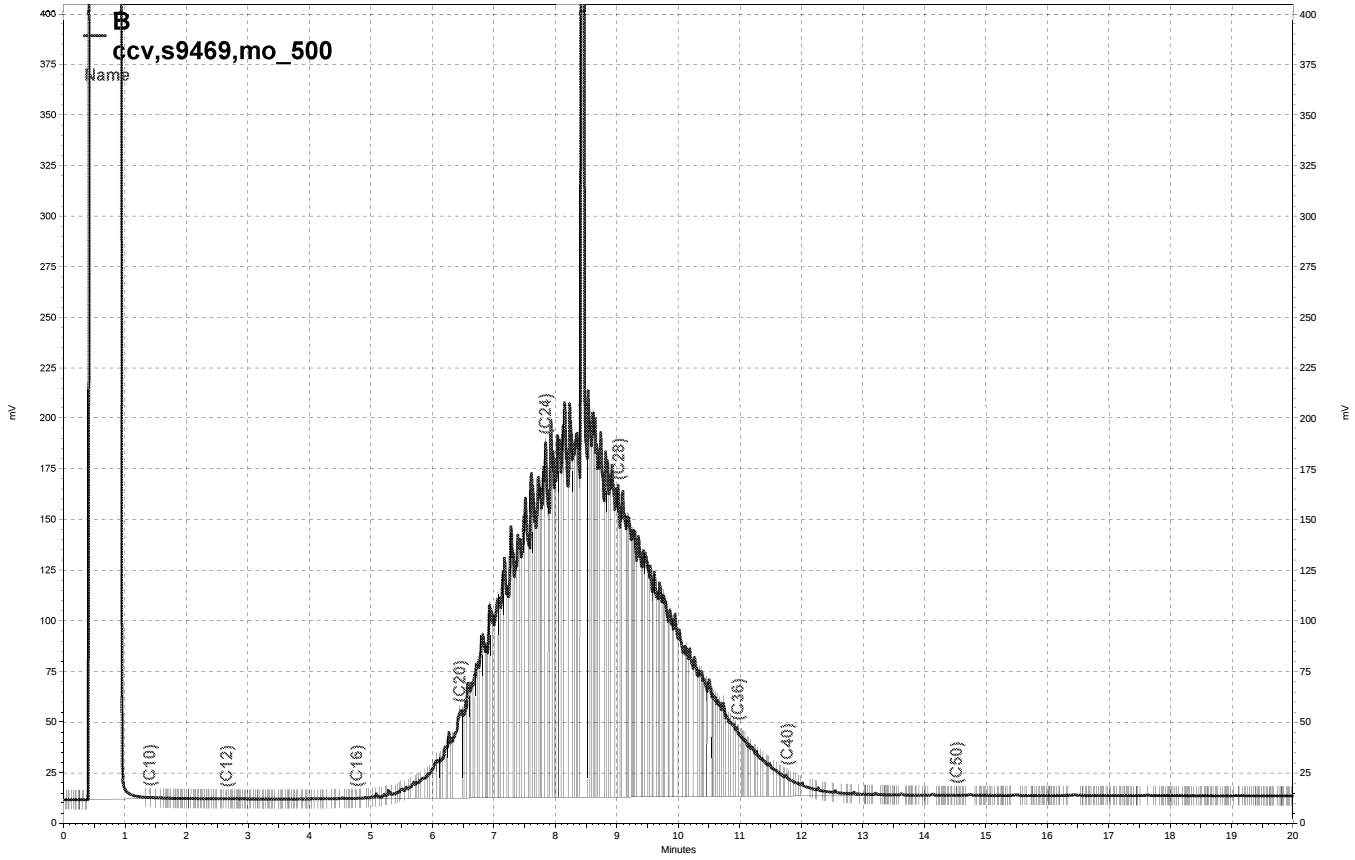

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Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-GW	Batch#:	140624
Lab ID:	204806-001	Sampled:	07/22/08
Matrix:	Water	Received:	07/22/08
Units:	ug/L	Analyzed:	07/23/08
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	13	0.5
Benzene	3.8	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	3.5	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	2.5	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Volatile Organics

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Field ID:	TR-GW	Batch#:	140624
Lab ID:	204806-001	Sampled:	07/22/08
Matrix:	Water	Received:	07/22/08
Units:	ug/L	Analyzed:	07/23/08
Diln Fac:	1.000		

Analyte	Result	RL
Propylbenzene	3.3	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.0	0.5
para-Isopropyl Toluene	0.9	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	1.3	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-123
1,2-Dichloroethane-d4	101	76-138
Toluene-d8	94	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	140624
Units:	ug/L	Analyzed:	07/23/08
Diln Fac:	1.000		

Type: BS Lab ID: QC452142

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	128.2	103	55-158
Isopropyl Ether (DIPE)	25.00	22.61	90	63-122
Ethyl tert-Butyl Ether (ETBE)	25.00	24.60	98	62-133
Methyl tert-Amyl Ether (TAME)	25.00	23.82	95	69-137
1,1-Dichloroethene	25.00	24.06	96	77-132
Benzene	25.00	23.72	95	80-120
Trichloroethene	25.00	24.63	99	80-120
Toluene	25.00	22.34	89	80-121
Chlorobenzene	25.00	23.89	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-123
1,2-Dichloroethane-d4	100	76-138
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-120

Type: BSD Lab ID: QC452143

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	136.4	109	55-158	6	20
Isopropyl Ether (DIPE)	25.00	22.37	89	63-122	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.73	95	62-133	4	20
Methyl tert-Amyl Ether (TAME)	25.00	24.21	97	69-137	2	20
1,1-Dichloroethene	25.00	23.80	95	77-132	1	20
Benzene	25.00	24.59	98	80-120	4	20
Trichloroethene	25.00	24.19	97	80-120	2	20
Toluene	25.00	22.57	90	80-121	1	20
Chlorobenzene	25.00	24.25	97	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-123
1,2-Dichloroethane-d4	96	76-138
Toluene-d8	95	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Dil'n Fac:	1.000
Lab ID:	QC452211	Batch#:	140624
Matrix:	Water	Analyzed:	07/23/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Volatile Organics

Lab #:	204806	Location:	5885 Hollis St.
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	4069.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC452211	Batch#:	140624
Matrix:	Water	Analyzed:	07/23/08
Units:	ug/L		

Analyte	Result	RL
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-123
1,2-Dichloroethane-d4	104	76-138
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

204806

CURTIS & TOMPKINS, LTD.

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: (RUSH) (24 HR) 48 HR 72 HR 5 DAY

GeoTracker (EDF) PDF Excel Write On (DW)

Report To: Glenn Leong Bill To: Treadwell & Rollo, Inc.

Company: Treadwell & Rollo, Inc.

E-Mail:

Tele: (415) 272-6986 Fax: (415) 753-0661

Project #: 4069.01 Project Name: 5885 Hollis St

Project Location: 5885 Hollis St, Emeryville CA

Sampler Signature: [signature]

	SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX water	MATRIX soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	TPHg 8015M	(8260) Full scan VOCs including BTEX, 5 fuel oxys, Lead scavengers, and ethanol	Other	Comments
1	TR-GW		7/22/08	1600	8	VOA, 1L AMB.	X					X	X					X					X	X		Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
[signature]	7/22/08	1724	[signature]

ICE/t°______
GOOD CONDITION______
HEAD SPACE ABSENT______
DECHLORINATED IN LAB______
APPROPRIATE CONTAINERS______
PRESERVED IN LAB______

COMMENTS: WET ICE 7/22/08

PRESERVATION______ VOAS O&G METALS pH<2 OTHER