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Alameda County
Environmental Health

October 28, 2008

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

Subject: Certification Letter
Letter Report
Groundwater Monitoring
Conducted 3 October 2008
1600 63rd Street
Emeryville, California
Fuel Leak Case Site RO0000052, Peterson Manufacturing Company

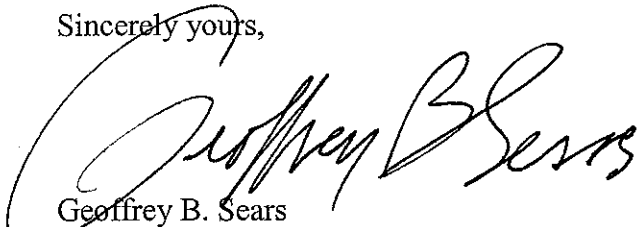
Dear Ms. Jakub:

Per your request, the enclosed is the Letter Report for Groundwater Monitoring Conducted 23 October 2008 from Treadwell & Rollo for Fuel Leak Case RO0000052 located at 1600 63rd Street, Emeryville, California (the Site). The attached report has been prepared on behalf of the current property owner, 1600 63rd Street Associates.

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,



Geoffrey B. Sears
Wareham Development
For: 1600 63rd Street Associates

24 October 2008
Project 3494.01

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Letter Report
Groundwater Monitoring Conducted 3 October 2008
Fuel Leak Case No. RO0000052
Former Peterson Manufacturing Company Facility
1600 63rd Street
Emeryville, California

Dear Ms. Jakub:

This letter report is submitted by Treadwell & Rollo, Inc. on behalf of Wareham Property Group to document groundwater monitoring conducted on 3 October 2008 at 1600 63rd Street, Emeryville, California (the "Site"). This letter report also contains an ongoing evaluation of the free phase product recovery technology.

BACKGROUND

The Site is located at 1600 63rd Street, Emeryville, California (Figure 1). The Site occupies 2.75 acres bounded by 63rd Street to the south, Overland Avenue to the west, 64th Street to the north, and the City of Emeryville Fire Station Number 2 to the east (Figure 2). The surrounding land use is primarily commercial and light industrial.

The property was originally developed as a tallow manufacturing plant by Peterson Manufacturing Company in 1914. Historical records indicate six underground storage tanks (USTs) were previously located at the Site (Figure 2).

The Site has been operated as a Fed Ex shipping facility since 1989, when the Site was redeveloped and construction of the Fed Ex facility was completed. Fed Ex currently operates one 10,000 gallon gasoline UST at the Site.

Numerous environmental investigation and remediation activities by others have occurred at the Site since 1987. Activities included: underground storage tank removal, overexcavation and disposal (or landfarming) of affected soil, numerous soil borings, collection and analysis of soil and groundwater samples, installation and sampling of monitoring wells, and cone penetrometer testing. Details of previous activities have been reported elsewhere and are not duplicated in this report.

In January 2007, Treadwell & Rollo installed five monitoring wells at the Site (TR-1, TR-2, TR-3, TR-4, and TR-5) and abandoned four previously installed monitoring wells (MW-1, MW-3, MW-4, MW-5). Groundwater sampling was performed after the installation of the monitoring wells, and subsequently has been performed periodically (Treadwell and Rollo, 2007a, 2007b, 2007c, and 2008). Groundwater at the Site has been monitored since 1989. Based on historical and current data, groundwater flows towards the west with minor northwest – southwest components.

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
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In September 2007, a free phase product collection system consisting of passive skimmer and canister was installed in MW-2. Hydrophobic socks were installed in wells TR-2 and TR-5. In January 2008 a hydrophobic sock was installed in MW-2 in addition to the skimmer and canister system. The presence and thickness of the free phase product is periodically monitored. The most recent data is presented in Appendix A.

GROUNDWATER MONITORING

On 3 October 2008, groundwater monitoring was conducted for monitoring wells TR-1, TR-3, and TR-4. Groundwater monitoring wells TR-2, TR-5, and MW-2 were not sampled due to the presence of free phase product in the wells. Figure 2 shows the monitoring well locations.

Groundwater Sampling and Analytical Methods

Treadwell and Rollo used an oil/water interface meter to measure the depth to groundwater in monitoring wells TR-1, TR-2, TR-3, TR-4, TR-5 and MW-2. A sheen (<0.01 feet) of free phase product was detected in wells MW-2, TR-2, and TR-5. Groundwater elevations are summarized in Table 1.

Groundwater is interpreted to flow towards the west based on groundwater elevations measured on 3 October 2008. Groundwater gradient information is shown on Figure 3.

Groundwater samples from monitoring wells (TR-1, TR-3, and TR-4) were collected by purging at least three casing volumes of water from each well using a submersible purge pump. During purging, water-quality parameters (pH, temperature, conductivity, turbidity, and dissolved oxygen) were measured. Groundwater sampling forms are included in Appendix B. Stabilized groundwater quality measurements are presented in Table 2.

Purged groundwater samples were collected and placed into appropriately-preserved containers prepared by the laboratory for analysis. Each sample was immediately sealed, labeled, placed in an ice-cooled chest, and delivered to the laboratory under chain-of-custody procedures.

Groundwater samples were analyzed for:

- Total petroleum hydrocarbons quantified as diesel (TPHd) by EPA Method 8015M;
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8260;
- Fuel oxygenates and total petroleum hydrocarbons quantified as gasoline (TPHg) by EPA Method 8260; and
- Total lead.

Groundwater Analytical Results

TPHg and BTEX were not detected above laboratory reporting limits in any samples. TPHd was detected in all three samples, and concentrations ranged from 0.20 mg/L to 0.67 mg/L. The laboratory reported

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
24 October 2008
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that the chromatograms do not match the diesel standard (Table 4 and Appendix C). Previous investigations (SOMA Corporation, 1999a and 1999b) have also reported that the chromatograms do not match the diesel standard and that Friedman & Bruya results indicate "patterns displayed by these peaks are indicative of Bunker C or crude oil." MTBE was detected in wells TR-1 and TR-4 at concentrations of 0.008 mg/L and 0.0021 mg/L. Total lead was not detected above laboratory reporting limits in any sample.

Groundwater analytical results are presented in Table 3. Groundwater sampling forms are presented in Appendix B. Certified analytical laboratory reports are provided in Appendix C. Figure 2 shows the monitoring well locations.

The concentrations are similar to the historical groundwater data. The next round of groundwater monitoring will be conducted in late December 2008.

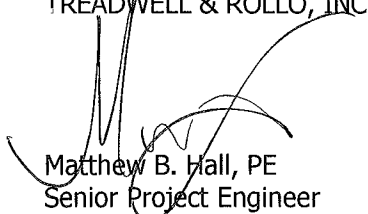
CONCLUSIONS

Based on the monitoring results from the period January 2007 to January 2008 concentrations of the analyzed constituents are not increasing in any of the sampled wells. The next groundwater monitoring event will occur in December 2008


The results of the free phase product evaluation suggest that the hydrophobic socks are appropriate for removal of the low viscosity free phase product in monitoring wells TR-2 and TR-5. The concurrent use of both the hydrophobic sock and free-product canister will continue in monitoring well MW-2. The next free phase product monitoring event will occur in December 2008.

Please feel free to contact Matthew Hall at (510) 874-4500 ext. 556 with any questions or comments.

Sincerely yours,
TREADWELL & ROLLO, INC.



Matthew B. Hall, PE
Senior Project Engineer



Patrick B. Hubbard, PG, CEG
Principal Geologist

34940113.OAK

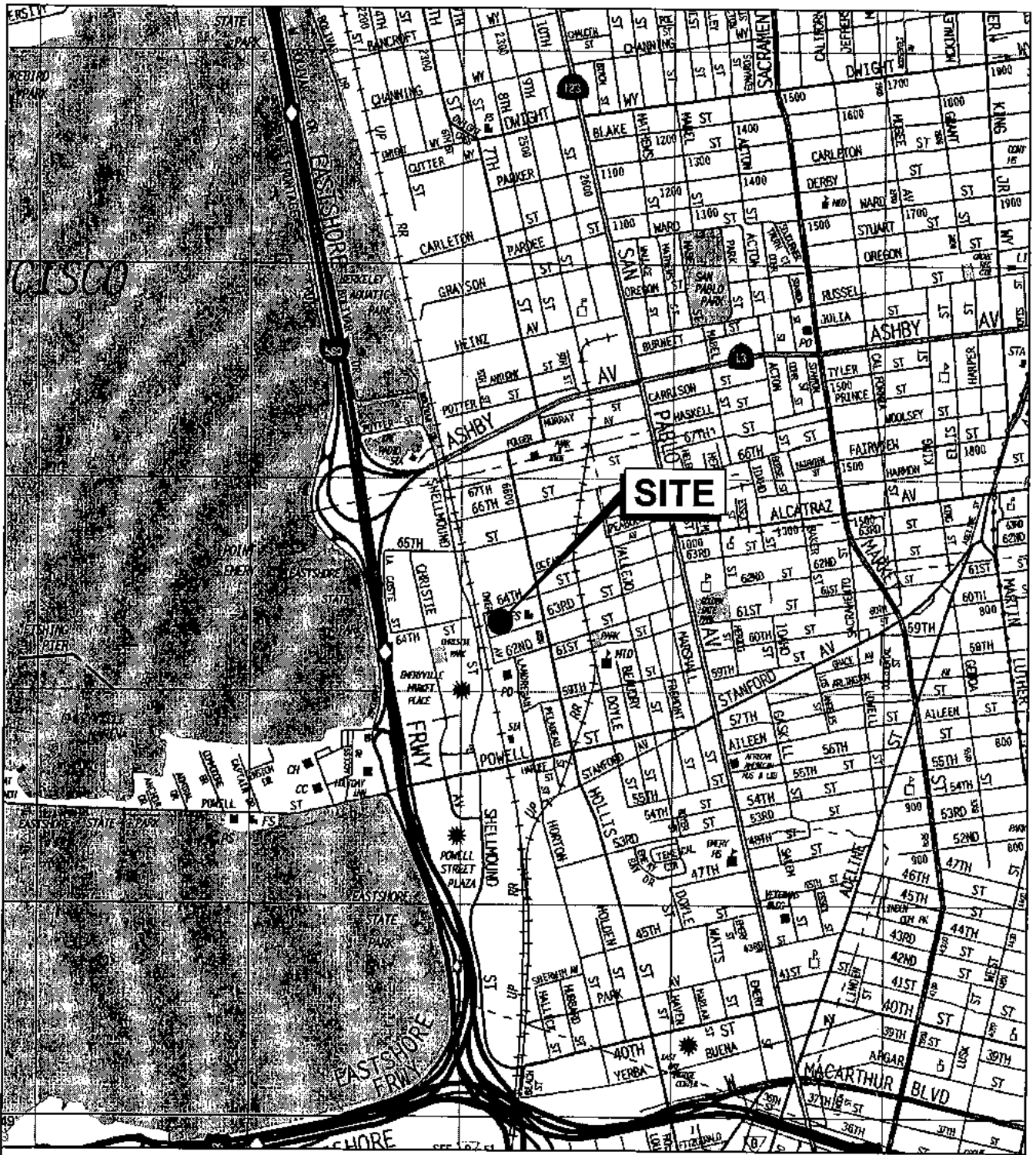
Attachments: References
Tables
Figures
Appendices

Appendix A – Free Phase Product Monitoring Evaluation
Appendix B – Groundwater Sampling Forms
Appendix C – Laboratory Analytical Results

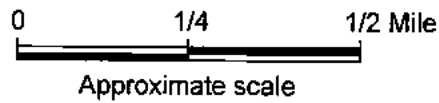
REFERENCES

- SOMA Corporation 1999a. Shallow Groundwater Sampling Results and Addendum to Additional Groundwater investigation Workplan, 1600 63rd Street, Emeryville. 7 July 1999.
- SOMA Corporation 1999b. Shallow Groundwater Investigation Results, 1600 63rd Street, Emeryville. 2 September 1999.
- Treadwell & Rollo 2007a. Letter Report, Supplemental Soil and Groundwater Investigation, Fuel Leak Case No. RO0000052, Former Peterson Manufacturing Company Facility, 1600 63rd Street, Emeryville, California. 21 March 2007.
- Treadwell & Rollo 2007b. Letter Report, Groundwater Monitoring Conducted 26 July 2007, Fuel Leak Case No. RO0000052, Former Peterson Manufacturing Company Facility, 1600 63rd Street, Emeryville, California. 3 October 2007.
- Treadwell & Rollo 2007c. Letter Report, Groundwater Monitoring conducted 30 October 2007, Fuel Leak Case No. RO0000052, Former Peterson Manufacturing Company Facility. 1600 63rd Street, Emeryville, California. 20 December 2007.
- Treadwell & Rollo 2008. Letter Report, Groundwater Monitoring conducted 30 January 2008, Fuel Leak Case No. RO0000052, Former Peterson Manufacturing Company Facility, 1600 63rd Street, Emeryville, California. 6 March 2008.

FIGURES



Base map: The Thomas Guide
Alameda County
1999



1600 63RD STREET
Emeryville, California

SITE LOCATION MAP

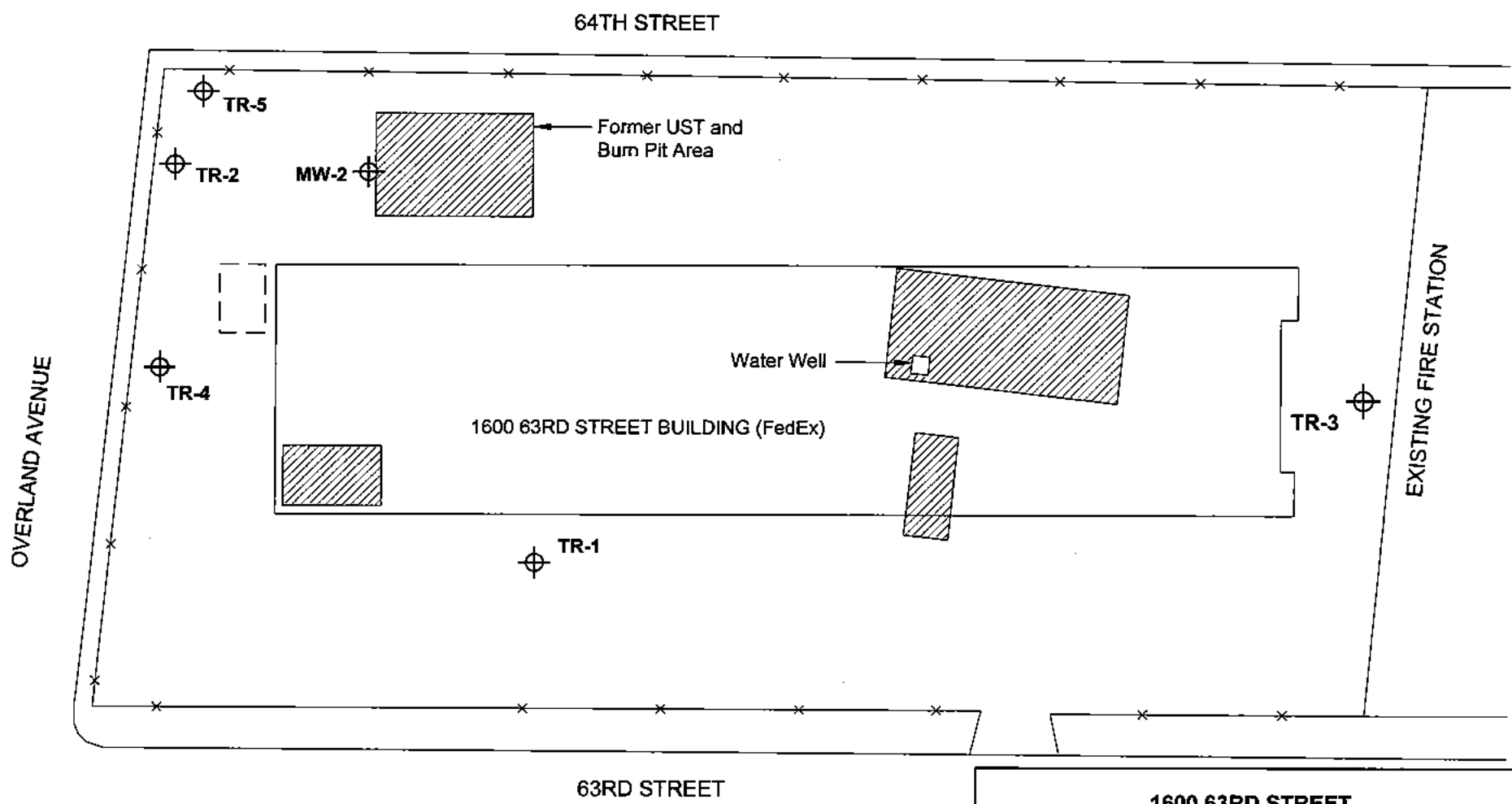
Treadwell&Rollo



Date 10/21/08

Project No. 3494.01

Figure 1

S:\Trgraphics-Oak\3400's\3494.01\3494.01-REV_SITE-PLAN 2.dwg 10/23/08



- EXPLANATION
-  Location of monitoring well
 -  Soil and Tank excavation areas

1600 63RD STREET
Emeryville, California

SITE PLAN

Date 10/21/08	Project No. 3494.01	Figure 2
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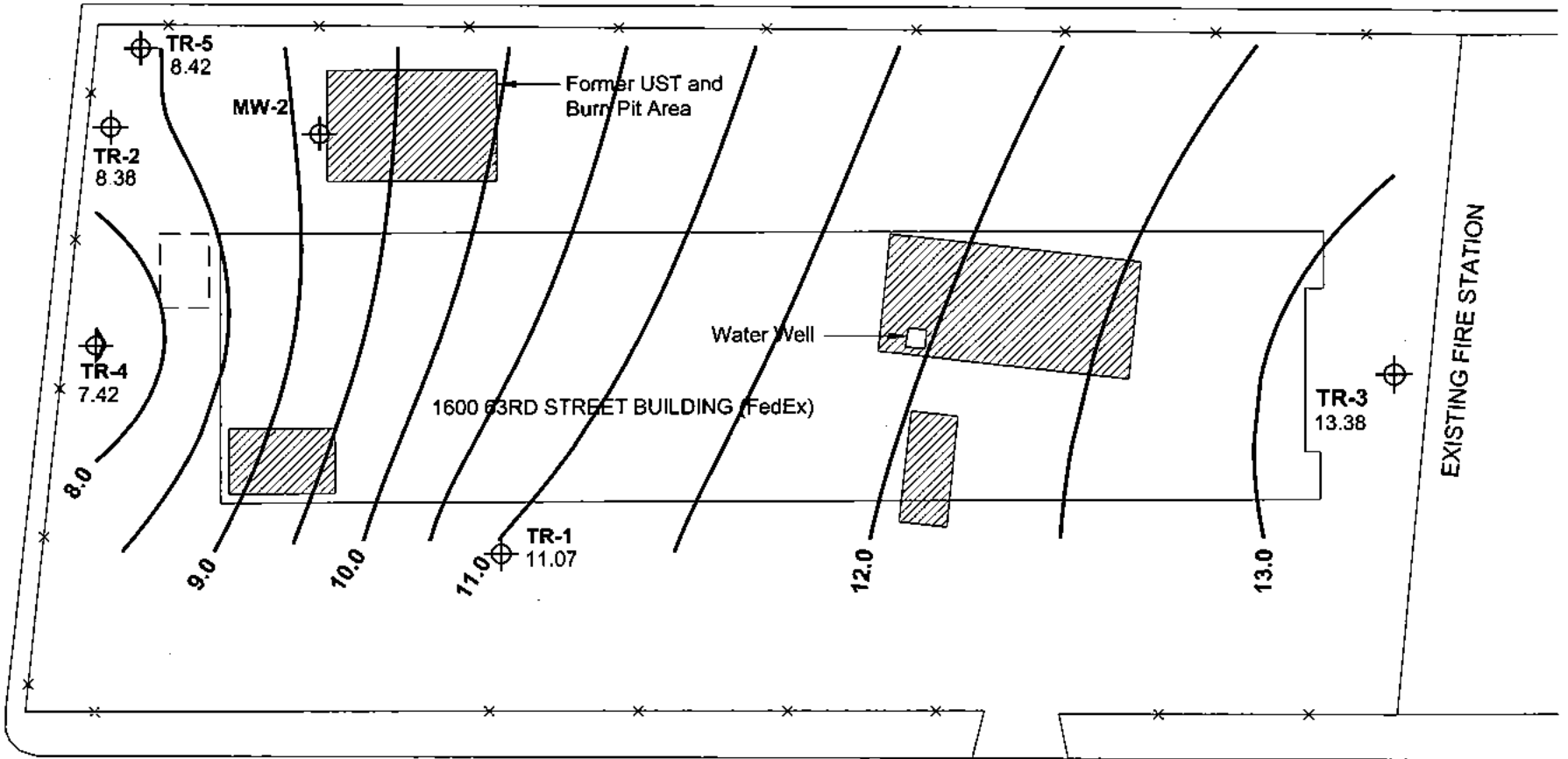


Map Source: Harding Lawson Associates, 5/91, and SOMA, 2000.

S:\Trgraphics-Oak\3400's\3494.01\3494.01-CR-CNTRS-PLAN_3_10-21-08.dwg 10/22/08

OVERLAND AVENUE

64TH STREET



63RD STREET

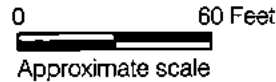
EXISTING FIRE STATION

EXPLANATION

⊕ Location of monitoring well

▨ Soil and Tank excavation areas

8.0 — Isopiezometric line



1600 63RD STREET
Emeryville, California

**GROUNDWATER GRADIENT
MEASURED 3 OCTOBER 2008**

Date 10/22/08	Project No. 3494.01	Figure 3
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Treadwell & Rollo

TABLES

**TABLE 1
GROUNDWATER
ELEVATION DATA
1600 63rd Street, Emeryville, California**

Well Number	Top-of-Casing Elevation (feet)	Depth of Well Screen Interval (feet)	Date Measured	Depth to Water (feet)	Water Elevation (feet)	Change in Elevation (feet)
MW-2	16.53	12.5-20.5	8/3/1989	6.66	9.87	
			9/21/1989	6.32	10.21	0.34
			10/20/1989	6.78	9.75	-0.46
			12/20/1989	7.32	9.21	-0.54
			3/20/1990	6.76	9.77	0.56
			5/11/1990	6.66*	--	--
			7/20/1990	6.74*	--	--
			11/12/1990	6.75*	--	--
			11/21/1990	7.00*	--	--
			2/7/1991	6.88*	--	--
			5/8/1991	6.92*	--	--
			5/14/1999	NM*	--	--
			11/28/2006	6.85*	--	--
			1/15/2007	6.80*	--	--
			1/30/2007	6.40*	--	--
			2/13/2007	5.83*	--	--
			2/27/2007	5.89*	--	--
			7/26/2007	6.67*	--	--
			10/30/2007	7.16	9.37	--
			1/30/2008	5.96	10.57	1.20
10/3/2008	7.57	8.96	-1.61			
TR-1	17.50	5-20	1/15/2007	6.21	11.29	
			1/30/2007	6.14	11.36	0.07
			7/26/2007	6.33	11.17	-0.19
			10/30/2007	6.35	11.15	-0.02
			1/30/2008	5.45	12.05	0.90
			10/3/2008	6.43	11.07	-0.98
TR-2	16.50	5-20	1/15/2007	8.11*	8.39	
			1/30/2007	7.19	7.19	-1.20
			2/13/2007	6.57*	9.93	2.74
			2/27/2007	6.59*	9.91	-0.02
			7/26/2007	7.75	8.75	-1.16
			10/30/2007	7.86	8.64	-1.27
			1/30/2008	6.76	9.74	1.10
			10/3/2008	8.12	8.38	-1.36
TR-3	18.60	5-20	1/15/2007	4.85	13.75	
			1/30/2007	4.68	13.92	0.17
			7/26/2007	5.16	13.44	-0.48
			10/30/2007	5.14	13.46	-0.46
			1/30/2008	4.53	14.07	0.61
			10/3/2008	5.22	13.38	-0.69

**TABLE 1
GROUNDWATER
ELEVATION DATA
1600 63rd Street, Emeryville, California**

Well Number	Top-of-Casing Elevation (feet)	Depth of Well Screen Interval (feet)	Date Measured	Depth to Water (feet)	Water Elevation (feet)	Change in Elevation (feet)
TR-4	16.38	5-20	1/15/2007	8.71	7.67	
			1/30/2007	6.17	10.21	2.54
			7/26/2007	8.68	7.70	-2.51
			10/30/2007	8.79	7.59	-0.11
			1/30/2008	7.88	8.50	0.91
			10/3/2008	8.96	7.42	-1.08
TR-5	16.27	5-20	1/15/2007	7.34*	8.93	
			1/30/2007	6.87	9.40	0.47
			2/13/2007	6.22	10.05	0.65
			2/27/2007	6.19	10.08	0.03
			7/26/2007	6.19	9.98	-0.10
			10/30/2007	7.52	8.75	-1.23
			1/30/2008	6.42	9.85	1.10
			10/3/2008	7.85	8.42	-1.43

Notes:

- * - Petroleum product measured in well (0.01- to 3-feet thick)
- Survey conducted by CSS Environmental Services (Novato, CA) on 15 January 2007.
- Water elevation referenced to mean sea level.
- Monitoring wells MW1, MW3, MW4, and MW5 were abandoned on 15 January 2007.

TABLE 2
Water Quality Measurements
1600 63rd Street, Emeryville, California

Well Number	Date	Purge Method	Purge Duration (minutes)	Volume Purged (gallons)	Purged Dry? (yes/no)	Dissolved Oxygen (mg/L)	pH	Specific Conductance (µS/cm)	Temperature (C°)	ORP (mV)
TR-1	1/15/2007	SP	30	30.0	No	NM	6.62	830	NM	140
	7/26/2007	SP	10	7.5	No	1.07	7.02	910	22.7	70
	10/30/2007	SP	9	8.5	No	1.49	6.84	900	23.1	10
	1/30/2008	SP	10	10.0	No	1.17	6.90	810	20.6	40
	10/3/2008	SP	5	7.0	No	0.69	6.96	910	24.1	-10
TR-3	1/15/2007	SP	35	20.0	Yes	NM	7.75	1,330	21.4	NM
	7/26/2007	SP	20	7.5	No	1.19	6.90	1,530	18.8	120
	10/30/2007	SP	13	10.0	No	1.21	6.88	1,420	19.1	150
	1/30/2008	SP	14	10.0	No	0.95	7.04	1,310	17.5	70
	10/3/2008	SP	5	7.0	No	1.07	7.21	1,500	21.4	70
TR-4	1/15/2007	SP	25	25.0	No	NM	6.76	1,780	NM	130
	7/26/2007	SP	7	7.0	No	1.59	7.00	1,800	20.4	50
	10/30/2007	SP	6	8.0	No	1.07	7.06	1,920	20.3	-10
	1/30/2008	SP	6	9.0	No	1.25	7.26	1,670	19.0	40
	10/3/2008	SP	3	5.0	No	1.03	6.97	1,970	21.4	0

General Notes

ORP = Oxidation Reduction Potential
mV = millivolts
mg/L = milligrams per Liter
µS/cm = microseimens per centimeter
SP = submersible pump

TABLE 3
GROUNDWATER SAMPLING RESULTS FROM MONITORING WELLS
1600 63rd Street, Emeryville, California

Sample No.	Date Sampled	Notes	Chemical Concentrations Detected (mg/L)													
			TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCBs	EPA 8080 Analytes	EPA 8270 Analytes	EPA 8240 Analytes	Fuel Oxygenates (including Ethanol)	Total Lead	Motor Oil	
HLA																
MW-2	6/25/1989		<0.5	0.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	--	(2)	<0.01	--	--	--
	9/21/1989		1	<0.5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	(3)	(4)	<0.01	--	--	--
	12/20/1989		<0.5	0.53	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	ND	(5)	<0.01	--	--	--
	2/20/1990		49	0.42	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0005	(6)	(7)	0.044 (8)	--	--	--
	5/11/1990		8.4	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	<0.01	--	--	--
	5/11/1990		<2.5	<0.5	<0.01	<0.01	<0.01	<0.01	--	--	--	--	<0.02	--	--	--
	7/20/1990		27	3.9	<0.005	<0.005	<0.005	0.011	--	ND	--	--	--	--	--	--
	7/20/1990		30	2.3	<0.005	<0.0025	<0.0025	0.0033	--	ND	--	--	--	--	--	--
	11/12/1990		61	380	<0.005	<0.0005	<0.0005	0.0005	<0.0005	ND	--	--	--	--	--	--
	11/12/1990		35	7	<0.005	0.0009	0.0001	0.0079	<0.0005	ND	--	--	--	--	--	--
	2/7/1991		41	11	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	ND	--	--	--	--	--	--
	2/7/1991		27	13	<0.005	<0.0005	<0.0005	0.043	<0.0005	ND	--	--	--	--	--	--
	5/8/1991		43	88	<0.005	<0.0005	<0.0005	<0.005	<0.0005	ND	--	--	--	--	--	--
5/8/1991		26	150	<0.005	<0.0005	<0.0005	<0.005	<0.0005	ND	--	--	--	--	--	--	
Certified																
MW-2	11/19/1992		22	0.59	<0.0003	0.0014	<0.0003	0.0015	--	--	--	--	--	--	--	--
	7/13/1994		6	<2	<0.001	<0.001	<0.001	<0.001	--	--	--	--	--	--	--	--
SOMA Corporation-Monitoring Wells																
MW-2	5/14/1999	(1)	550	210	<2.5	<2.5	<2.5	4.9	<0.5	--	--	--	--	--	--	<3,500
Treadwell & Rollo, Inc.																
MW-2	1/10/2007	(9)	10	0.6	<0.0005	<0.0005	<0.0005	0.00053	--	--	--	--	MtBE = 0.00095 Di-isopropyl ether = 0.00097 Others <0.0005 to <0.1	<0.1	--	--
	1/15/2007	(9)	0.14	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0074 Others <0.0005 to <0.1	<0.1	--	--
TR-1	7/26/2007		0.20	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0085 Others <0.0005 to <0.01	0.0038	--	--
	10/30/2007	(9)	0.25	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0078 Others <0.0005 to <0.01	<0.0034	--	--
	1/30/2008	(9)	0.12	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0078 Others <0.0005 to <0.01	<0.003	--	--
	10/3/2008	(9)	0.20	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.008 Others <0.0005 to <0.01	<0.003	--	--
TR-2	1/10/2007	(9)	480	3.4	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005 to <1	<0.1	--	--
TR-3	1/10/2007	(9)	0.098	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.1	<0.1	--	--
	7/26/2007		0.37	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.01	<0.003	--	--
	10/30/2007	(9)	0.17	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.05	<0.003	--	--
	1/30/2008	(9)	0.27	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.05	<0.003	--	--
	10/3/2008	(9)	0.21	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.01	<0.003	--	--
TR-4	1/10/2007	(9)	0.43	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0022 Di-isopropyl ether = 0.001 Other <0.0005 to <0.1	<0.1	--	--
	7/26/2007		0.76	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.003 Di-isopropyl ether = 0.0014 Other <0.0005 to <0.01	<0.003	--	--
	10/30/2007	(9)	1.00	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	Other <0.0005 to <0.05	<0.0034	--	--
	1/30/2008	(9)	1.00	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0022 Di-isopropyl ether = 0.0012 Other <0.0005 to <0.01	<0.003	--	--
	10/3/2008	(9)	0.67	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	MtBE = 0.0021 Di-isopropyl ether = 0.0012 Other <0.0005 to <0.01	<0.003	--	--
TR-5	1/10/2007	(9)	31	12	<0.005	<0.005	<0.005	<0.005	--	--	--	--	<0.005 to <1	<0.1	--	--
ESL			0.64	0.5	0.046	0.13	0.29	0.1	0.014				MtBE = 1.8			

General Notes:

- mg/L = milligrams per liter
- TPHd = Total Petroleum Hydrocarbons as Diesel
- TPHg = Total Petroleum Hydrocarbons as Gasoline
- PCBs = Polychlorinated biphenyls
- MtBE = Methyl tert-Butyl Ether
- < = Below Specified Reporting Limits.
- = Not Analyzed.
- ESL = Environmental Screening Level, Shallow Soil, Groundwater not a source of drinking water, Commercial/Industrial Land Use (RWQCB 2005)
- 1** = Bold values exceed the environmental screening levels.

Footnotes:

- (1) Product sample collected; Chromalab (STL San Francisco) results indicate hydrocarbon reported does not match diesel standard. Friedman & Bruya results indicate "patterns displayed by these peaks are indicative of Bunker C or crude oil"
- (2) Trace flourene detected
- (3) 0.00016 ppm heptachlor and 0.00015 ppm 4,4'-DDD detected.
- (4) 0.006 ppm flourene, 0.005 ppm bis (2-ethyl-hexyl) phthalate, and 0.0061 ppm 2-methyl-napthalene detected.
- (5) 0.012 ppm 2-methyl-napthalene detected.
- (6) 0.00035 ppm Gamma-BHC detected.
- (7) 0.0061 ppm flourene, 0.018 ppm 2-methyl-napthalene, and 0.0055 ppm phenanthrene detected.
- (8) 0.044 ppm acetone detected.
- (9) Laboratory reported that the TPH compounds detected in samples did not match their respective laboratory standard.

APPENDIX A
Free Phase Product Monitoring Evaluation

Free Phase Product Monitoring Evaluation

Since the beginning of free phase product removal, a total of approximately 0.72 liters (L) of free phase product has been removed from MW-2, a total of approximately 2.95 L has been removed from TR-2, and a total of approximately 2.84 L has been removed from TR-5. Tables and field sheets summarizing the free-phase product monitoring follow this text.

The rate of free-phase product extraction using the hydrophobic sock in well TR-2 has ranged from 0.002 liters per day (L/d) to 0.023 L/d. This range excludes a measurement performed on 19 September 2008 when the hydrophobic sock was incorrectly installed. The rate of free-phase product extraction using the hydrophobic sock in well TR-5 has ranged from 0.002 L/d to 0.022 L/d.

A passive high-viscosity free-phase product skimmer and canister system was installed in well MW-2. The skimmer and canister system proved ineffective in removing free-phase product. In January 2008, a hydrophobic sock was installed to augment the skimmer and canister system. The hydrophobic sock has shown free-phase product extraction rates ranging from 0.002 L/d to 0.005 L/d.

**FREE PHASE PRODUCT MEASUREMENTS
FROM WELLS MW-2, TR-2, and TR-5 (Since January 2007)
1600 63rd Street, Emeryville, California**

Well Number	Top-of-Casing Elevation (feet)	Depth of Well Screen Interval (feet)	Date Measured	Free Phase Product (feet)	Depth to Water (feet)	Thickness of Free Phase Product (feet)	Unadjusted Water Level (feet)	Adjusted Water Level (feet)
MW-2	16.53	12.5-20.5	1/15/2007	6.72	6.80	0.08	9.73	9.79
			1/30/2007	6.33	6.40	0.07	10.13	10.19
			2/13/2007	5.81	5.83	0.02	10.70	10.72
			2/27/2007	5.78	5.89	0.11	10.64	10.73
			7/26/2007	6.65	6.67	0.02	9.86	9.88
			8/10/2007	6.89	6.91	0.02	9.62	9.64
			9/19/2007	7.05	7.07	0.02	9.46	9.48
			10/4/2007	7.36	7.36	<0.01	9.17	9.17
			10/30/2007	7.16	7.16	<0.01	9.37	9.37
			1/30/2008	5.96	5.96	<0.01	10.57	10.57
			10/3/2008	7.57	7.57	<0.01	8.96	8.96
TR-2	16.50	5-20	1/15/2007	7.42	8.11	0.69	8.39	8.94
			1/30/2007	7.19	7.19	<0.01	9.31	9.31
			2/13/2007	6.56	6.57	0.01	9.93	9.94
			2/27/2007	6.58	6.59	0.01	9.91	9.92
			7/26/2007	7.75	7.75	<0.01	8.75	8.75
			8/10/2007	7.87	7.87	<0.01	8.63	8.63
			9/19/2007	8.01	8.01	<0.01	8.49	8.49
			10/4/2007	8.15	8.15	<0.01	8.35	8.35
			10/30/2007	7.86	7.86	<0.01	8.64	8.64
			1/30/2008	6.76	6.76	<0.01	9.74	9.74
			10/3/2008	8.12	8.12	<0.01	8.38	8.38
TR-5	16.27	5-20	1/15/2007	7.14	7.34	0.20	8.93	9.09
			1/30/2007	6.87	6.87	<0.01	9.40	9.40
			2/13/2007	6.22	6.22	<0.01	10.05	10.05
			2/27/2007	6.19	6.19	<0.01	10.08	10.08
			7/26/2007	6.19	6.19	<0.01	10.08	10.08
			8/10/2007	7.56	7.56	<0.01	8.71	8.71
			9/19/2007	7.70	7.70	<0.01	8.57	8.57
			10/4/2007	7.78	7.78	<0.01	8.49	8.49
			10/30/2007	7.52	7.52	<0.01	8.75	8.75
			1/30/2008	6.42	6.42	<0.01	9.85	9.85
			10/3/2008	7.85	7.85	<0.01	8.42	8.42

General Notes:

Measurements collected from top of casing, north side.

Adjusted water level = unadjusted water level + (Thickness of Free Phase Product x 0.8).

**Free Phase Product Monitoring Table
1600 63rd Street
Emeryville, California**

FPP Extraction System	MW-2		MW-2		TR-2		TR-5		Notes
	Passive Skimmer		Hydrophobic Sock		Hydrophobic Sock		Hydrophobic Sock		
Date	Volume (L)	Extraction Rate (L/day)	Volume (L)	Extraction Rate (L/day)	Volume (L)	Extraction Rate (L/day)	Volume (L)	Extraction Rate (L/day)	
8/15/2007	0	--	--	--	0.00	--	0.00	--	
9/19/2007	0	0	--	--	0.00	0.000	0.21	0.006	Sock changed out in TR-2 & TR-5
10/4/2007	0	0	--	--	0.34	0.023	0.13	0.009	
10/30/2007	0	0	--	--	0.34	0.013	0.05	0.002	
11/16/2007	0	0	--	--	0.03	0.002	0.37	0.022	Sock changed out in TR-2 & TR-5
1/30/2008	0	0	--	--	0.95	0.013	0.55	0.007	Sock changed out in TR-2 & TR-5; installed Hydrophobic Sock in MW-2
5/2/2008	0	0	0.48	0.005	0.95	0.010	0.95	0.010	
8/8/2008	0	0	0.24	0.002	0.34	0.002	0.58	0.003	
extracted	0		0.72		2.95		2.84		

Notes:

L - liters

FPP - free phase product

Passive Skimmer - Durham Geo Slope Indicator, model no. TR-254, Passive Skimmer

Hydrophobic Sock - Durham Geo Slope Indicator, model no. TB2-100, SoakEase™ absorbent sock

1600 63rd Street
 Free Phase Product
 O&M Form
 3494.01

Date: 8/8/08

Field Engineer: Louis Arighi

TR-2

DTW	DTP	Thickness of Product	Interval of Sock	Measured fpp on Sock	Volume fpp ₁₎	Comments
			6.5'-9.5'	13"	0.34L	sock flipped so unstained end is in water

TR-5

DTW	DTP	Thickness of Product	Interval of Sock	Measured fpp on Sock	Volume fpp ₁₎	Comments
			6.2'-9.2'	22"	0.58L	sock removed, new sock installed

MW-2

DTW	DTP	Thickness of Product	Collected fpp (in)	Volume fpp	Comments
			9" on sorbent sock	9" 0.24L	sock not removed

1) Volume of FPP on Sock calculated using the formula: length of stained sock/total length of sock [36 inches] * volume of saturated sock [0.95 liters]
 2) Sock interval changed

1600 63rd Street
 Free Phase Product
 O&M Form
 3494.01

Date: 5/2/08

Field Engineer: Louis Arighi

TR-2

DTW	DTP	Thickness of Product	Interval of Sock	Measured fpp on Sock	Volume fpp ₁₎	Comments
		<0.01"	6.0'-9.0'	36"	0.95L	sock changed new sock installed

TR-5

DTW	DTP	Thickness of Product	Interval of Sock	Measured fpp on Sock	Volume fpp ₁₎	Comments
		<0.01"	6.0'-9.0'	36"		new sock installed

MW-2

DTW	DTP	Thickness of Product	Collected fpp (in)	Volume fpp	Comments
		<0.01"	Summer: 0 sock: 18"	0.48L	new sock installed

1) Volume of FPP on Sock calculated using the formula: length of stained sock/total length of sock [36 inches] * volume of saturated sock [0.95 liters]
 2) Sock interval changed

**APPENDIX B
Groundwater Sampling Forms**

**Appendix C
Laboratory Analytical Reports**



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

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

Laboratory Job Number 206608
ANALYTICAL REPORT

Treadwell & Rollo
501 14th Street
Oakland, CA 94612

Project : 3494.01
Location : 1600 63rd St
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
TR-1-3Q08	206608-001
TR-3-3Q08	206608-002
TR-4-3Q08	206608-003

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: Troy Beyer
Project Manager

Date: 10/15/2008

Signature: [Signature]
Senior Program Manager

Date: 10/15/2008

CASE NARRATIVE

Laboratory number: 206608
Client: Treadwell & Rollo
Project: 3494.01
Location: 1600 63rd St
Request Date: 10/03/08
Samples Received: 10/03/08

This hardcopy data package contains sample and QC results for three water samples, requested for the above referenced project on 10/03/08. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

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

High surrogate recoveries were observed for bromofluorobenzene in TR-1-3Q08 (lab # 206608-001), TR-3-3Q08 (lab # 206608-002), and TR-4-3Q08 (lab # 206608-003). No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

206608

006934



CHAIN OF CUSTODY RECORD

- 555 Montgomery Street, Suite 1300, San Francisco, CA 94111 Ph: 415.955.9040/Fax: 415.955.9041
- 501 14th Street, Third Floor, Oakland CA 94612 Ph: 510.874.4500/Fax: 510.874.4507
- 777 Campus Commons Road, Suite 200, Sacramento, CA 95825 Ph: 916.565.7412/Fax: 916.565.7413
- 50 Airport Parkway, Suite 175, San Jose, CA 95110 Ph: 408.437.7708/Fax: 408.437.7709

Site Name: 1600 63rd St
 Job Number: 3494.01
 Project Manager/Contact: Matt Hall mbhall@treadwellrollo.com
 Samplers: Louis Ariglii mariglii@treadwellrollo.com
 Recorder (Signature Required): [Signature]

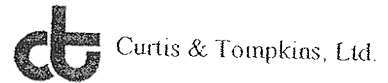
Turnaround
Time
Standard

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix				No. Containers & Preservative				Analysis Requested										Silica gel clean-up	Hold	Remarks							
				Soil	Water	Air	Other	HCL	H ₂ SO ₄	HNO ₃	Ice	BTEX	Fuel organics	TPH-g	TPH-d	Total lead															
1 TR-3-3008	10/3/08	1500			X				4					X	X	X	X	X													
2 TR-3-3008	↓	1555			X				4					X	X	X	X	X													
3 TR-4-3008	↓	1410			X				4					X	X	X	X	X													

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>10/3/08</u>	Time <u>1750</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10/3/08</u>	Time <u>1750</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): Curtis & Tompkins
 Laboratory Comments/Notes: _____
 Method of Shipment: Hand Carried Private Courier (Co. Name) Lab courier Fed Ex Airborne UPS

COOLER RECEIPT CHECKLIST



Login # 206608 Date Received 10-3-08 Number of coolers 1
 Client Treadwell Project 1600 63rd St.

Date Opened 10-3 By (print) F Nichols (signature) [Signature]
 Date Logged in ↓ By (print) ↓ (signature) ↓

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:

Type of ice used: Wet Blue/Gel None Temp(°C) _____

Samples Received on ice & cold without a temperature blank

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 samples in the appropriate containers for indicated tests? YES NO

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

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

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

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

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

16. Was the client contacted concerning this sample delivery? YES NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Total Extractable Hydrocarbons			
Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	3494.01	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	10/03/08
Units:	ug/L	Received:	10/03/08
Diln Fac:	1.000	Prepared:	10/07/08
Batch#:	143348		

Field ID: TR-1-3Q08 Lab ID: 206608-001
 Type: SAMPLE Analyzed: 10/09/08

Analyte	Result	RL
Diesel C10-C24	200 Y	50

Surrogate	%REC	Limits
Hexacosane	93	58-127

Field ID: TR-3-3Q08 Lab ID: 206608-002
 Type: SAMPLE Analyzed: 10/09/08

Analyte	Result	RL
Diesel C10-C24	210 Y	50

Surrogate	%REC	Limits
Hexacosane	95	58-127

Field ID: TR-4-3Q08 Lab ID: 206608-003
 Type: SAMPLE Analyzed: 10/09/08

Analyte	Result	RL
Diesel C10-C24	670 Y	50

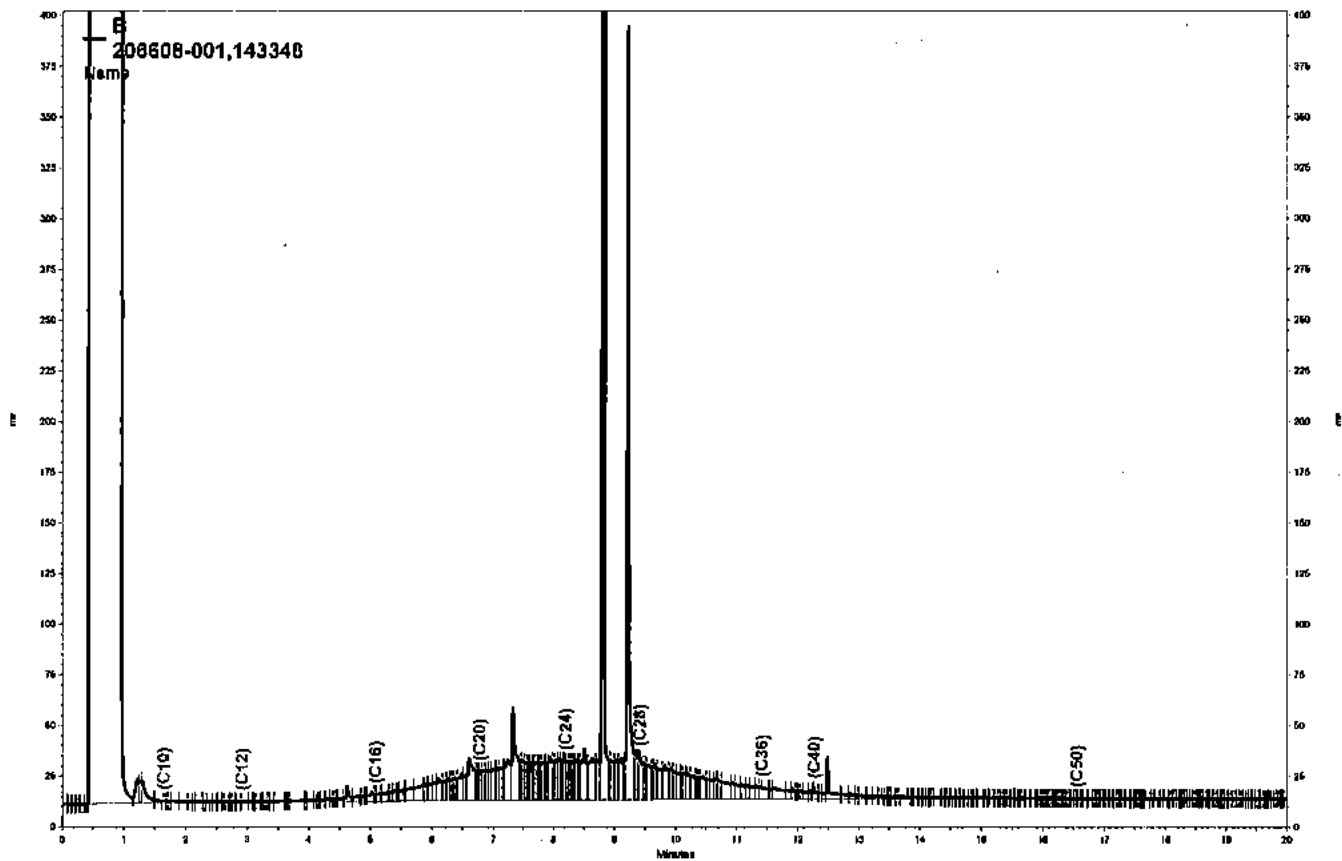
Surrogate	%REC	Limits
Hexacosane	96	58-127

Type: BLANK Analyzed: 10/08/08
 Lab ID: QC463937

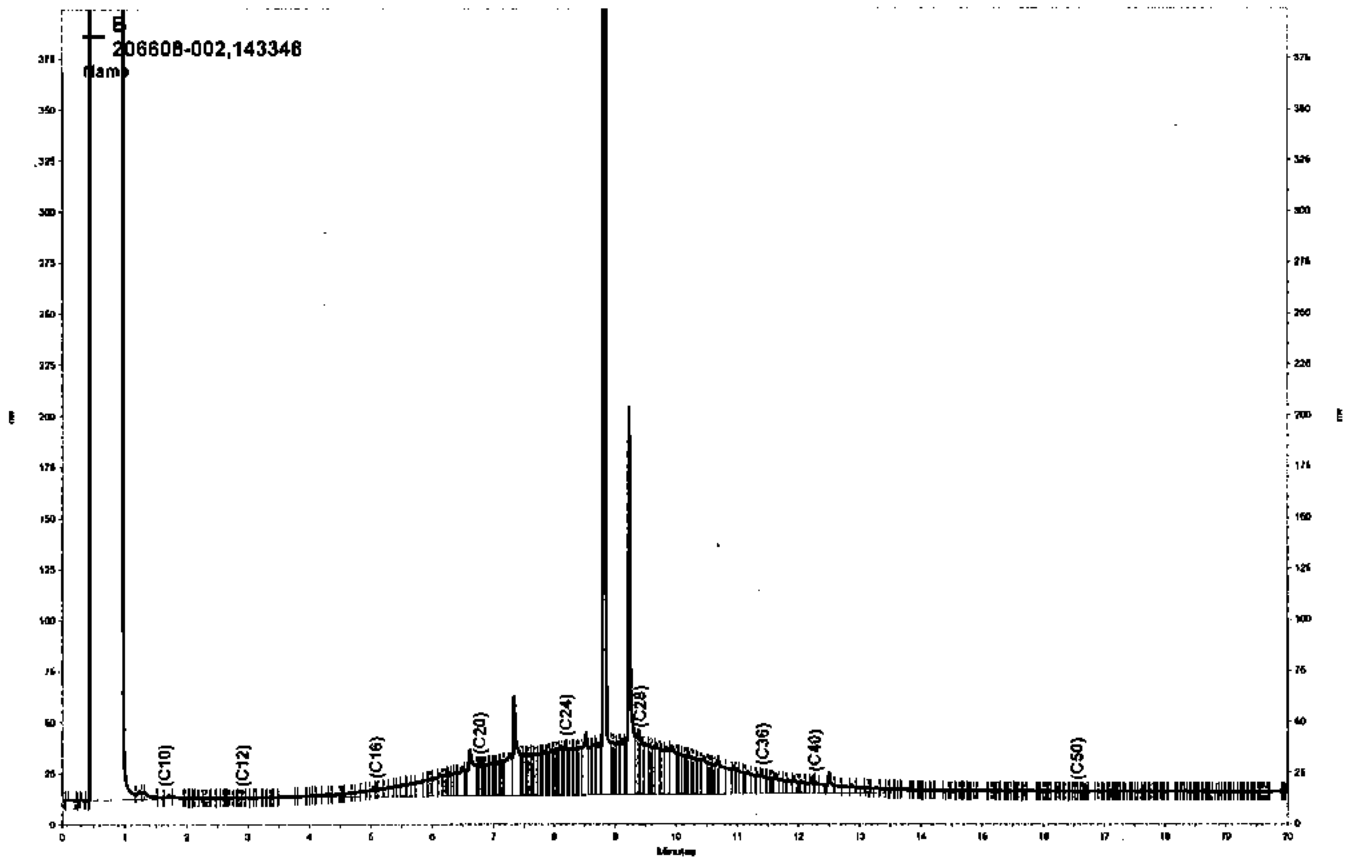
Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	93	58-127

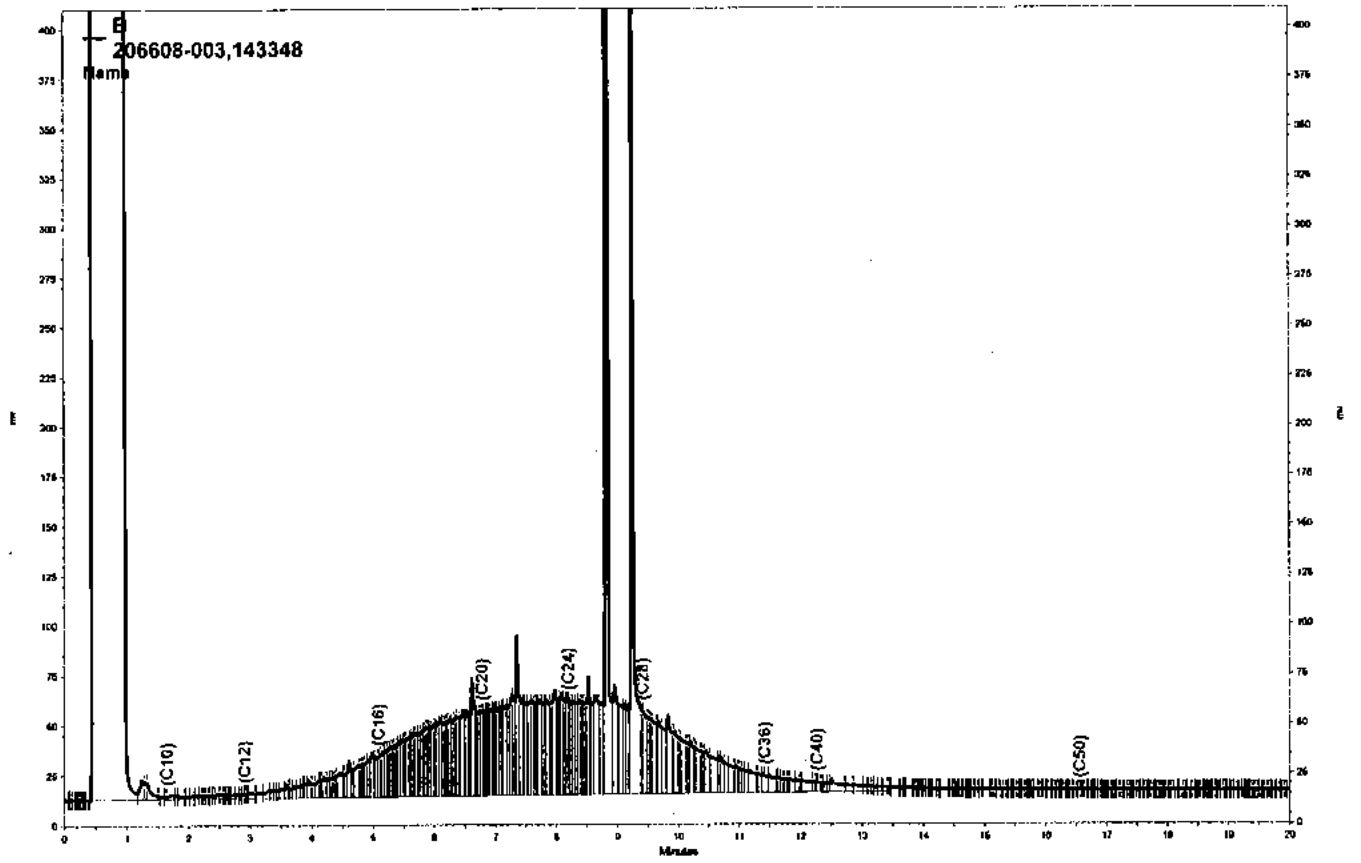
Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit



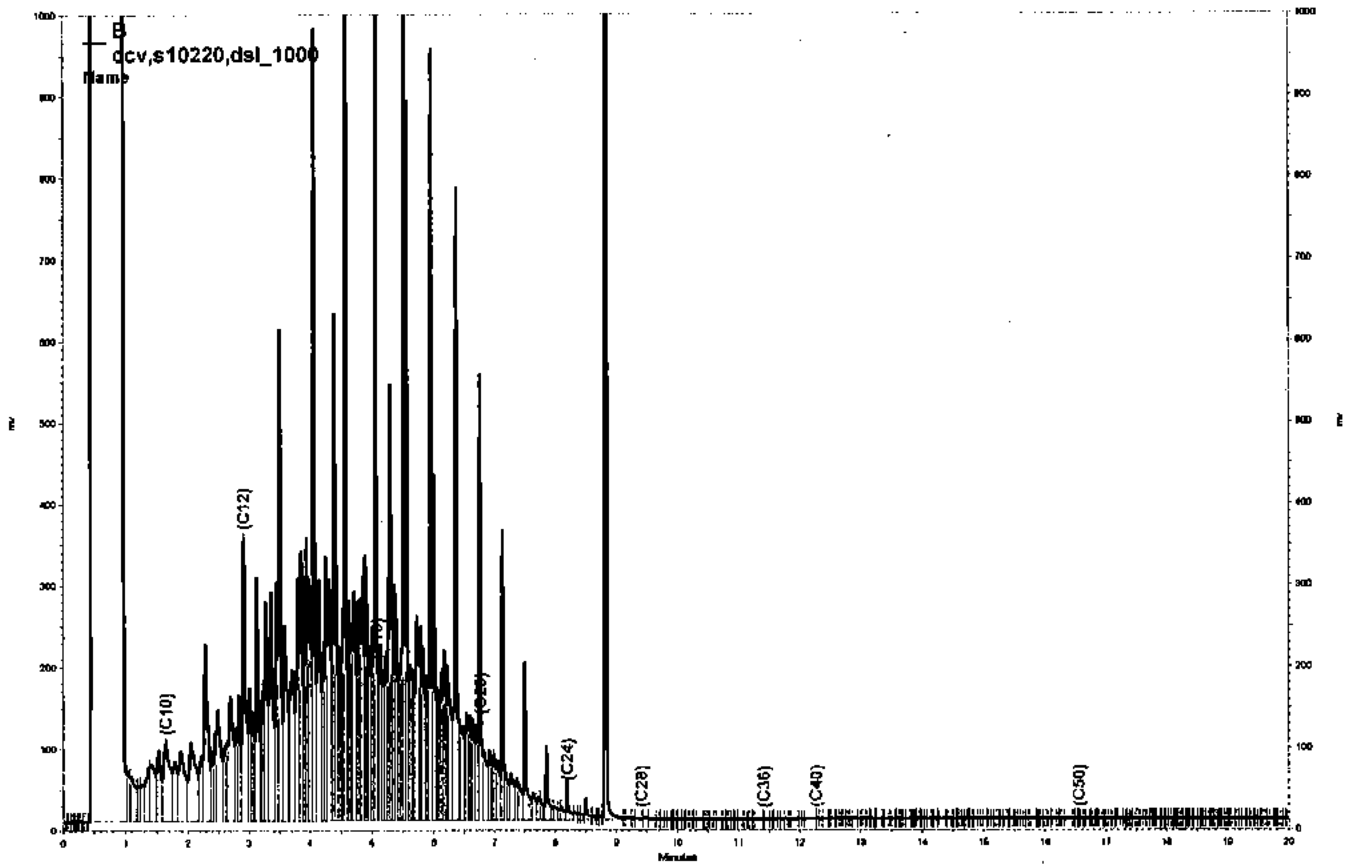
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\\Lims\gdrive\ezchrom\Projects\GC15B\Data\282b024, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\282b025, B



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\282b017, B

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 3520C
Project#:	3494.01	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	143348
Units:	ug/L	Prepared:	10/07/08
Diln Fac:	1.000	Analyzed:	10/09/08

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC463938

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,772	71	52-120

Surrogate	%REC	Limits
Hexacosane	86	58-127

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC463939

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10 C24	2,500	1,588	64	52-120	11	30

Surrogate	%REC	Limits
Hexacosane	76	58-127

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Field ID:	TR-1-3Q08	Batch#:	143565
Lab ID:	206608-001	Sampled:	10/03/08
Matrix:	Water	Received:	10/03/08
Units:	ug/L	Analyzed:	10/13/08
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	8.0	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-125
1,2-Dichloroethane-d4	96	80-137
Toluene d8	100	80-120
Bromofluorobenzene	123 *	80-122

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Field ID:	TR-3-3Q08	Batch#:	143565
Lab ID:	206608-002	Sampled:	10/03/08
Matrix:	Water	Received:	10/03/08
Units:	ug/L	Analyzed:	10/13/08
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	102	80-137
Toluene-d8	100	80-120
Bromofluorobenzene	127 *	80-122

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Field ID:	TR-4-3Q08	Batch#:	143565
Lab ID:	206608-003	Sampled:	10/03/08
Matrix:	Water	Received:	10/03/08
Units:	ug/L	Analyzed:	10/13/08
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	1.2	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	2.1	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	103	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	127 *	80-122

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC464863	Batch#:	143565
Matrix:	Water	Analyzed:	10/13/08
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	96	80-137
Toluene-d8	99	80-120
Bromofluorobenzene	119	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	143565
Units:	ug/L	Analyzed:	10/13/08
Diln Fac:	1.000		

Type: BS Lab ID: QC464859

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	150.0	110.2	73	59-152
Isopropyl Ether (DIPE)	30.00	31.92	106	67-126
Ethyl tert-Butyl Ether (ETBE)	30.00	28.05	94	69-127
Methyl tert-Amyl Ether (TAME)	30.00	28.93	96	80-122
MTBE	30.00	26.51	88	70-125
1,2-Dichloroethane	30.00	24.53	82	78-132
Benzene	30.00	33.25	111	80-120
Toluene	30.00	30.05	100	80-120
1,2-Dibromoethane	30.00	28.42	95	80-120
Ethylbenzene	30.00	28.70	96	80-122
m,p-Xylenes	60.00	64.10	107	80-126
o-Xylene	30.00	30.82	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-125
1,2-Dichloroethane-d4	102	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC464860

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert Butyl Alcohol (TBA)	150.0	115.2	77	59-152	5	20
Isopropyl Ether (DIPE)	30.00	30.34	101	67-126	5	20
Ethyl tert-Butyl Ether (ETBE)	30.00	27.41	91	69-127	2	20
Methyl tert-Amyl Ether (TAME)	30.00	28.72	96	80-122	1	20
MTBE	30.00	26.88	90	70-125	1	20
1,2-Dichloroethane	30.00	23.84	79	78-132	3	20
Benzene	30.00	32.02	107	80-120	4	20
Toluene	30.00	28.69	96	80-120	5	20
1,2-Dibromoethane	30.00	27.78	93	80-120	2	20
Ethylbenzene	30.00	27.26	91	80-122	5	20
m,p-Xylenes	60.00	60.81	101	80-126	5	20
o-Xylene	30.00	29.72	99	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-125
1,2-Dichloroethane-d4	101	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-122

RPD= Relative Percent Difference

Batch QC Report

Gasoline by GC/MS

Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 5030B
Project#:	3494.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	143565
Units:	ug/L	Analyzed:	10/13/08
Diln Fac:	1.000		

Type: BS Lab ID: QC464861

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	955.1	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	101	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-122

Type: BSD Lab ID: QC464862

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,005	101	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	96	80-137
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-122

Lead			
Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 3010A
Project#:	3494.01	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	10/03/08
Matrix:	Water	Received:	10/03/08
Units:	ug/L	Prepared:	10/07/08
Diln Fac:	1.000	Analyzed:	10/10/08
Batch#:	143353		

Field ID	Type	Lab ID	Result	RL
TR-1-3Q08	SAMPLE	206608-001	ND	3.0
TR-3-3Q08	SAMPLE	206608-002	ND	3.0
TR-4-3Q08	SAMPLE	206608-003	ND	3.0
	BLANK	QC463958	ND	3.0

Batch QC Report

Lead			
Lab #:	206608	Location:	1600 63rd St
Client:	Treadwell & Rollo	Prep:	EPA 3010A
Project#:	3494.01	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	143353
Field ID:	ZZZZZZZZZZ	Sampled:	09/29/08
MSS Lab ID:	206475-001	Received:	09/30/08
Matrix:	Water	Prepared:	10/07/08
Units:	ug/L	Analyzed:	10/10/08
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC463959		100.0	96.17	96	80-120		
BSD	QC463960		100.0	95.31	95	80-120	1	20
MS	QC463961	<0.8532	100.0	96.41	96	71-120		
MSD	QC463962		100.0	94.98	95	71-120	1	20