BALCO
PROPERTIES

16 October 2009
Project No. 2543.05

Mr. Paresh Khatri
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: Groundwater Monitoring Report Third Quarter 2008
Soil Vapor Sampling Report
2855 Mandela Parkway
Oakland, California

Dear Mr. Khatri:

As a legally authorized representative of BALCO properties, LLC, and on behalf of BALCO properties, LLC, I declare, under penalty of perjury, that the information and/or recommendations contained in the attached documents *Groundwater Monitoring Report Third Quarter 2008, 2855 Mandela Parkway, Oakland, California*, and *Soil Vapor Sampling Report, 2855 Mandela Parkway, Oakland, California,* are true and correct to the best of my knowledge.

Sincerely yours,

Mollie Gilbert
BALCO Properties, LLC

Treadwell&Rollo

19 November 2009
Project No. 2543.05

Mr. Paresh Khatri
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: Groundwater Monitoring Report
Third Quarter 2008
2855 Mandela Parkway
Oakland, California

Dear Mr. Khatri:

On behalf of BALCO properties, LLC, Treadwell and Rollo, Inc. (Treadwell & Rollo) is pleased to present this Groundwater Monitoring Report Third Quarter 2008 for the property located at 2855 Mandela Parkway in Oakland, California. The groundwater monitoring was completed in September 2008.

This report was substantially delayed by the planned inclusion of the soil vapor investigation results as an appendix to the Groundwater Monitoring Report Third Quarter 2008. In a 9 April 2009 email to Alameda County Environmental Health (ACEH), Treadwell & Rollo informed ACEH that results of soil vapor sampling would be presented with the Q308 Groundwater Monitoring Report. ACEH agreed with this schedule on 9 April 2009.

As a result of the extended soil vapor sampling, completion of the Groundwater Monitoring Report Third Quarter 2009 was substantially delayed. At this time, the soil vapor investigation results will be submitted as a separate report to limit further delays.

If you have any questions please call Mr. Greg Johnson at (510) 874-4500, ext. 539.

Sincerely yours,
TREADWELL & ROLLO, INC.

Greg Johnson, REA
Senior Project Scientist

Patrick Hubbard, PG, CEG
Principal Geologist

PROFESSIONAL GEOLOGIST
No. 8108
STATE OF CALIFORNIA

25430503.OAK.LTR

GROUNDWATER MONITORING REPORT
THIRD QUARTER 2008
2855 Mandela Parkway
Oakland, California

BALCO Properties, LLC
Oakland, California

19 November 2009
Project No. 2543.05

Treadwell&Rollo
Environmental & Geotechnical Consultants

Treadwell&Rollo

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Treadwell&Rollo

GROUNDWATER MONITORING REPORT
THIRD QUARTER 2008
2855 Mandela Parkway
Oakland, California

1.0 INTRODUCTION

This report presents results of the quarterly groundwater monitoring conducted on 24 September 2008 at 2855 Mandela Parkway, Oakland, California (Site) (Figure 1). Groundwater monitoring was performed by Treadwell & Rollo, Inc. (Treadwell and Rollo) on behalf of BALCO Properties, LLC. The groundwater monitoring was conducted in general accordance with Alameda County Environmental Health's (ACEH) letter dated 6 June, 2009.

2.0 GROUNDWATER MONITORING

Groundwater monitoring during the Third Quarter 2008 included measuring free-phase product and groundwater levels and collecting groundwater samples from five monitoring wells (TR-4, TR-5, TR-6, TR-10, and TR-11) (Figure 2).

2.1 Groundwater Level Measurement and Groundwater Flow

The depth to groundwater and presence of free product were measured at each well using a water interface probe. The water interface probe emits an audible intermittent tone when in contact with free-phase product. The intermittent tone becomes solid once the probe passes from free-phase product into water. A solid tone without an initial intermittent tone indicates the well either does not contain free-phase product or contains only a surface sheen. The Third Quarter 2008 results were corrected according to the density of thickness of free product in each well. Third Quarter 2008 measurements and historical measurements are provided in Table 1.

Historically, groundwater flow at the Site has been reported to range from west-southwest at a gradient of approximately 0.025 feet/foot and to the northeast at a gradient of 0.01 feet/foot (T&R, 2000).

2.2 Well Purging and Sampling

On 24 September 2008, the monitoring wells were purged and sampled. Well purging was performed to ensure that groundwater samples collected from each monitoring well were representative of

groundwater conditions below the site. Each monitoring well was purged of the equivalent of three well casing volumes using a dedicated disposable bailer.

Purge water collected from the monitoring wells was stored in 55-gallon drums on site for subsequent profiling and disposal.

2.3 Groundwater Sampling and Analysis

Upon completion of purging, groundwater samples were collected from monitoring wells TR-4, TR-5, TR-6, TR-10, and TR-11 on 24 September 2008 using a dedicated disposable bailer at each location. Samples were submitted under chain-of-custody protocol to McCampbell Analytical, Inc., a State-certified laboratory in Pittsburg, California.

All samples were analyzed for:

- Total Petroleum Hydrocarbons quantified as gasoline (TPHg), BTEX and MTBE by EPA Methods SW8021B/8015C;
- Total Petroleum Hydrocarbons quantified as diesel (TPHd) with silica gel cleanup by EPA Method SW8015B; and
- Volatile Organic Hydrocarbons (VOCs) and Fuel Oxygenates by EPA Method SW8260B

Total Petroleum Hydrocarbons quantified as motor oil (TPHmo) was scheduled to be analyzed, but was inadvertently omitted on the chain of custody. However, historical analysis for the constituents of the free-product present at the Site did not show TPHmo as being present above the laboratory reporting limit. Subsequently the inadvertent omission of this analysis does not adversely affect the quality or reliability of the groundwater results obtained.

3.0 THIRD QUARTER 2008 RESULTS

The following sections present the results of groundwater level measurement and groundwater sample analysis.

3.1 Third Quarter 2008 Groundwater Level Measurement and Groundwater Flow

Based on corrected groundwater elevations, groundwater during the Third Quarter 2008 appeared to flow toward the northeast (Figure 3) at a calculated gradient of approximately 0.005 feet per foot (ft/ft).

Based on Third Quarter 2008, and historical depth to groundwater measurements, it appears that monitoring well TR-4 may be monitoring a different groundwater unit. Monitoring well TR-4 consistently yields a substantially higher depth to water result than monitoring wells TR-5, TR-6, TR-10, and TR-11. Subsequently, Monitoring well TR-4 was not used in calculating Third Quarter 2008 groundwater flow direction or gradient. Third Quarter 2008 measurements and historical measurements are provided in Table 1.

3.2 Petroleum Hydrocarbons

Prior to the purging of each monitoring well for sampling, the presence of free product was indicated by the water interface probe at monitoring wells TR-4, TR-6, and TR-11. It was not indicated by the water interface probe that free product was present in either monitoring wells TR-5 or TR-10, however, product was observed on the tip of probe after retrieval from monitoring well TR-5.

TPHg was detected at concentrations ranging from non-detect (ND) in TR-11 to 290,000 micrograms per liter (µg/L) in TR-6. TPHd was detected at concentrations ranging from ND in TR-11 to 73,000 µg/L in TR-6. BTEX compounds were detected in all five samples with the exception of benzene, which was not detected in the sample from TR-11. Benzene was detected at concentrations ranging from 670 µg/L in TR-4 to 10,000 µg/L in TR-10. Toluene was detected at concentrations ranging from 1.0 µg/L in TR-11 to 17,000 µg/L in TR-6. Ethylbenzene was detected at concentrations ranging from 0.55 µg/L in TR-11 to 6,300 µg/L in TR-6. Xylenes were detected at concentrations ranging from 1.4 µg/L in TR-11 to 25,000 µg/L in TR-6. MTBE was not detected in any samples.

For all samples the laboratory reported a qualifier of b6. The b6 qualifier stands for - lighter than water immiscible sheen/product is present. This information correlates with the high results for TPH-g and benzene, suggesting the results are biased high due to the presence of a laboratory detected free product sheen on the surface of the samples. Groundwater sampling results are shown in Table 2.

4.0 CONCLUSIONS

During the Third Quarter 2009, TPHg was detected at concentrations ranging from non-detect (ND) in TR-11 to 290,000 micrograms per liter (µg/L) in TR-6. TPHd was detected at concentrations ranging from ND in TR-11 to 73,000 µg/L in TR-6. BTEX compounds were detected in all five samples with the exception of benzene, which was not detected in the sample from TR-11.

- Benzene was detected at concentrations ranging from 670 µg/L in TR-4 to 10,000 µg/L in TR-10.
- Toluene was detected at concentrations ranging from 1.0 µg/L in TR-11 to 17,000 µg/L in TR-6.
- Ethylbenzene was detected at concentrations ranging from 0.55 µg/L in TR-11 to 6,300 µg/L in TR-6.
- Xylenes were detected at concentrations ranging from 1.4 µg/L in TR-11 to 25,000 µg/L in TR-6.
- MTBE was not detected in any samples.

Historically, groundwater flow directions and gradients have been reported to range from west-southwest at a gradient of approximately 0.025 feet/foot and to the northeast at a gradient of 0.01 feet/foot (T&R, 2000). During the Third Quarter 2009, based on corrected groundwater elevations, groundwater appeared to flow toward the northeast at a calculated gradient appears of approximately 0.005 feet per foot (ft/ft).

The results of the Q308 groundwater monitoring event are consistent with historical results and data related to monitoring wells TR-4, TR-5, TR-6, TR-10 and TR-11.

REFERENCES

Treadwell and Rollo, 2000a, *1999 Site Investigation and Remediation Activities, 2855 Mandela Parkway Property, Oakland, California*, January.

Treadwell and Rollo, 2008b, *Environmental Activities First and Second Quarters 2008, 2855 Mandela Parkway Property, Oakland, California*.

TABLES

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Table 1.
Groundwater/Free Product Measurements
Mandela Parkway
Oakland, California

Date	Recovery Well ID	TOC Elevation	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Thickness of free-phase product (ft)[1]	Corrected depth to water (ft)[2]	Corrected groundwater elevation (ft)[3]
9/24/2008	TR-4	9.59	5.38	5.41	0.03	5.39	4.20
9/24/2008[1]	TR-5	9.29	ND	8.86	ND	8.86	0.43
9/24/2008	TR-6	9.89	9.78	10.02	0.24	9.84	0.05
9/24/2008	TR-10	9.95	11.22	12.35	1.13	11.51	-1.56
9/24/2008	TR-11	9.38	ND	9.25	ND	9.25	0.13

Notes:
TOC = Top of Casing
ND = Free-phase Product Not Detected
1. Free-phase product not detected; however, product observed on tip of probe.
2. Correction based on specific gravity of product of 0.74, as follows:
Corrected depth to water = (depth to water) - (0.74 x (product layer thickness))
3. Corrected groundwater elevation = TOC - Corrected depth to water

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Table 2.
3rd Quarter 2008
Groundwater Monitoring Results
2855 Mandela Parkway
Oakland, California

Monitoring Well	Sample Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	n-Butyl benzene	n-Propyl benzene	Isopropyl benzene	Naphthalene	Diisopropyl ether	Other VOCs
TR-4	9/24/2008	39,000	10,000	670	170	1,400	1,800	2,500	680	89	290	110	400	ND	ND
TR-5	9/24/2008	34,000	8,100	5,500	1,900	350	1,400	1,200	390	ND	130	ND	150	ND	ND
TR-6	9/24/2008	290,000	73,000	8,400	17,000	6,300	25,000	4,200	1,100	ND	ND	ND	930	ND	ND
TR-10	9/24/2008	130,000	26,000	10,000	13,000	2,500	13,000	2,600	660	ND	ND	ND	660	ND	ND
TR-11	9/24/2008	ND	ND	ND	1	0.55	1.4	ND	ND	ND	ND	ND	ND	1.7	ND

Notes:

TPHg = Total Petroleum Hydrocarbons quantified as gasoline

TPHd = Total Petroleum Hydrocarbons quantified as diesel

VOCs = Volatile organic compounds

All results are reported in micrograms per liter.

ND = Non-detect

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FIGURES

Base map: The Thomas Guide
Alameda County
2002

0 1/4 1/2 Mile

Approximate scale

2855 MANDELA PARKWAY
Oakland, California

SITE LOCATION MAP

Treadwell&Rollo

Date 10/06/08	Project No. 2543.05	Figure 1

EXPLANATION

Monitoring location first and second quarters 2008

Monitoring location first and second and third quarters 2008

TR-6

TR-4

RW-2

RW-1

TR-5

TR-10

TR-11

WILLOW STREET

MANDELA PARKWAY

Asphalt Parking Lot

Unpaved Parking Lot

0 30 Feet

Approximate scale

2855 MANDELA PARKWAY PROPERTY
Oakland, California

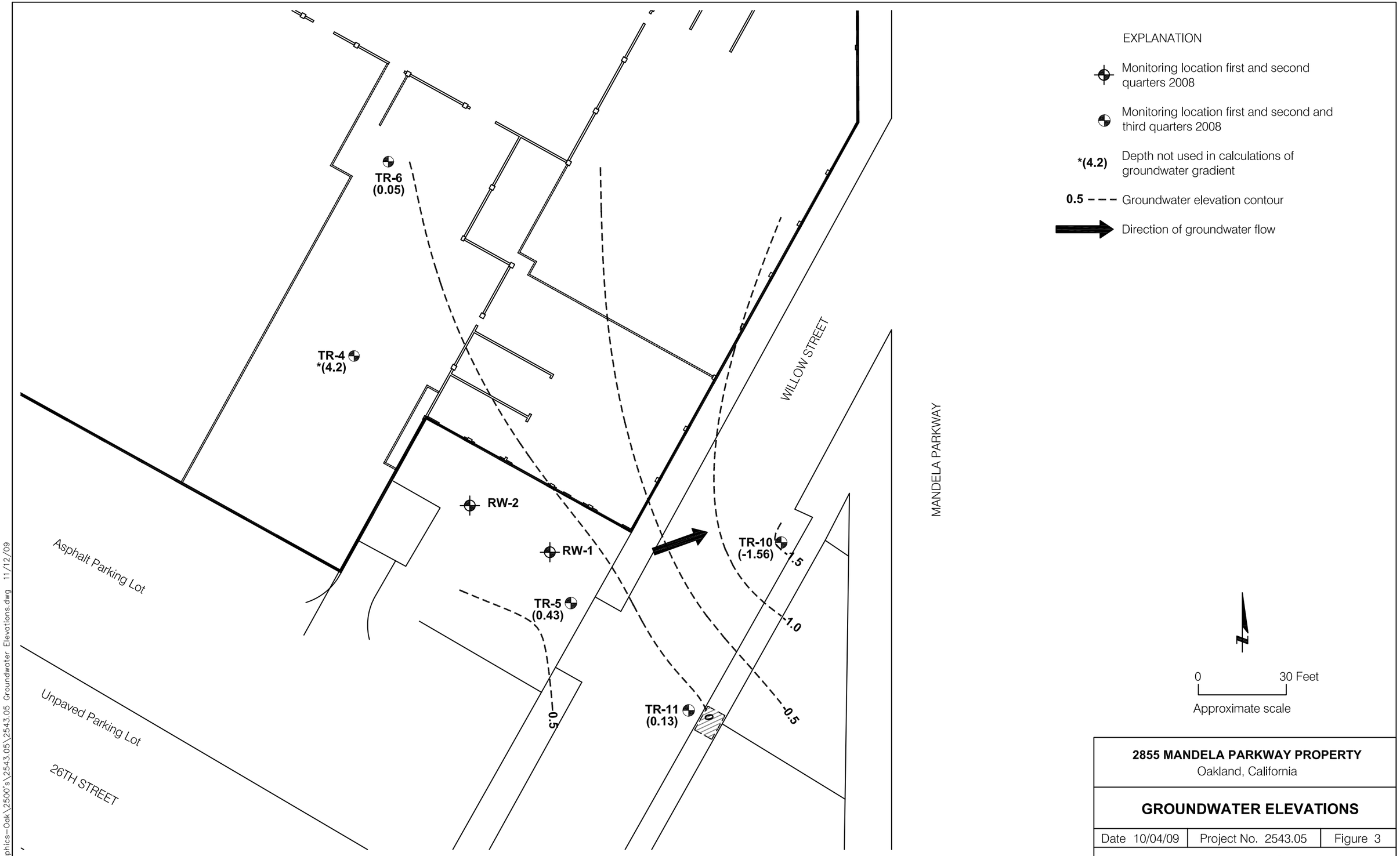
MONITORING LOCATIONS

Date 10/06/09	Project No. 2543.05	Figure 2

Treadwell&Rollo

References: Ceres Associates, 1998. Interactive Resources, 1999.

S:\Trgraphics-Oak\2500's\2543.05\254305_PLANT SAMPL_LOC_V2.dwg 10/07/09



EXPLANATION

- Monitoring location first and second quarters 2008
- Monitoring location first and second and third quarters 2008
- *(4.2) Depth not used in calculations of groundwater gradient
- 0.5 – – – Groundwater elevation contour
- Direction of groundwater flow

N

0 30 Feet

Approximate scale

2855 MANDELA PARKWAY PROPERTY
Oakland, California

GROUNDWATER ELEVATIONS

Date 10/04/09	Project No. 2543.05	Figure 3

Treadwell&Rollo

References: Ceres Associates, 1998. Interactive Resources, 1999.

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APPENDIX A
Laboratory Reports

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo 501 14Th Street, 3rd Floor Oakland, CA 94612	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
	Client Contact: Louis Arighi	Date Reported: 10/02/08
	Client P.O.:	Date Completed: 10/02/08

WorkOrder: 0809785

October 02, 2008

Dear Louis:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#2543.04; 2855 Mandela Parkway,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0809785 006931

Treadwell&Rollo

Environmental and Geotechnical Consultant

CHAIN OF CUSTODY RECORD

Page 1 of 1

☐ 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: 2855 Mandela Parkway
Job Number: 2543.04
Project Manager\Contact: Grover Buhr (gsbuhr@treadwellrollo.com)
Samplers: Louis Arighi (larighi@treadwellrollo.com)
Recorder (Signature Required): Louis Arighi

Results to both

Turnaround Time: Standard (5-day)

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix: Soil	Water	Air	Other	No. Containers & Preservative: HCL	H_2SO_4	HNO_3	Ice	Analysis Requested: TPH-g/BTEX	TPH-d	8260B (VOAs + fuel oxys)	Silica gel clean-up	Hold	Remarks
+1 TR-10-3Q08	9/24/08	0955			X			3				X	X	X	X		
+ TR-11-3Q08	↓	1150			X			3				X	X	X	X		
+ TR-5-3Q08		1355			X			3				X	X	X	X		
+ TR-4-3Q08		1515			X			3				X	X	X	X		
+ TR-6-3Q08	↓	1640			X			3				X	X	X	X		

ICE/t° Yes 6.0°
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓ PRESERVED IN LAB
DECHLORINATED IN LAB
PRESERVATION ✓ VOAs | O&G | METALS | OTHER

Relinquished by: (Signature)	Date 9/25/08	Time 2:10	Received by: (Signature)	Date 9/25/08	Time 2:10
Relinquished by: (Signature)	Date 9/25/08	Time 500	Received by: (Signature)	Date 9/25/08	Time 3:04 pm
Relinquished by: (Signature)	Date	Time	Received by Lab: (Signature)	Date	Time

Sent to Laboratory (Name): McCampbell Analytical
Laboratory Comments/Notes:

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

White Copy - Original Yellow Copy - Laboratory Pink Copy - Field COC Number:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0809785 **ClientCode: TWRK**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Louis Arighi
Treadwell & Rollo
501 14Th Street, 3rd Floor
Oakland, CA 94612
(510) 874-4500 FAX (415) 955-9041

Email: lmarighi@treadwellrollo.com
cc: gsbuhr@treadwellrollo.com
PO:
ProjectNo: #2543.04; 2855 Mandela Parkway

Bill to:
Accounts Payable
Treadwell & Rollo
501 14Th Street, 3rd Floor
Oakland, CA 94612
SEND HARDCOPY

Requested TAT: 5 days

Date Received: **09/25/2008**
Date Printed: **09/25/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0809785-001	TR-10-3Q08	Water	9/24/2008 9:55	☐	C	A	B									
0809785-002	TR-11-3Q08	Water	9/24/2008 11:50	☐	C	A	B									
0809785-003	TR-5-3Q08	Water	9/24/2008 13:55	☐	C	A	B									
0809785-004	TR-4-3Q08	Water	9/24/2008 15:15	☐	C	A	B									
0809785-005	TR-6-3Q08	Water	9/24/2008 16:40	☐	C	A	B									

Test Legend:

1	8260B+7OXY_W	2	G-MBTEX_W	3	TPH(D)WSG_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Treadwell & Rollo**

Date and Time Received: **9/25/08 3:26:02 PM**

Project Name: **#2543.04; 2855 Mandela Parkway**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0809785** Matrix Water

Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 10/02/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 10/02/08

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809785

Lab ID	0809785-001C
Client ID	TR-10-3Q08
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10,000	1000	10	tert-Amyl methyl ether (TAME)	ND<500	1000	0.5
Benzene	11,000	1000	0.5	Bromobenzene	ND<500	1000	0.5
Bromochloromethane	ND<500	1000	0.5	Bromodichloromethane	ND<500	1000	0.5
Bromoform	ND<500	1000	0.5	Bromomethane	ND<500	1000	0.5
2-Butanone (MEK)	ND<2000	1000	2.0	t-Butyl alcohol (TBA)	ND<2000	1000	2.0
n-Butyl benzene	ND<500	1000	0.5	sec-Butyl benzene	ND<500	1000	0.5
tert-Butyl benzene	ND<500	1000	0.5	Carbon Disulfide	ND<500	1000	0.5
Carbon Tetrachloride	ND<500	1000	0.5	Chlorobenzene	ND<500	1000	0.5
Chloroethane	ND<500	1000	0.5	Chloroform	ND<500	1000	0.5
Chloromethane	ND<500	1000	0.5	2-Chlorotoluene	ND<500	1000	0.5
4-Chlorotoluene	ND<500	1000	0.5	Dibromochloromethane	ND<500	1000	0.5
1,2-Dibromo-3-chloropropane	ND<200	1000	0.2	1,2-Dibromoethane (EDB)	ND<500	1000	0.5
Dibromomethane	ND<500	1000	0.5	1,2-Dichlorobenzene	ND<500	1000	0.5
1,3-Dichlorobenzene	ND<500	1000	0.5	1,4-Dichlorobenzene	ND<500	1000	0.5
Dichlorodifluoromethane	ND<500	1000	0.5	1,1-Dichloroethane	ND<500	1000	0.5
1,2-Dichloroethane (1,2-DCA)	ND<500	1000	0.5	1,1-Dichloroethene	ND<500	1000	0.5
cis-1,2-Dichloroethene	ND<500	1000	0.5	trans-1,2-Dichloroethene	ND<500	1000	0.5
1,2-Dichloropropane	ND<500	1000	0.5	1,3-Dichloropropane	ND<500	1000	0.5
2,2-Dichloropropane	ND<500	1000	0.5	1,1-Dichloropropene	ND<500	1000	0.5
cis-1,3-Dichloropropene	ND<500	1000	0.5	trans-1,3-Dichloropropene	ND<500	1000	0.5
Diisopropyl ether (DIPE)	ND<500	1000	0.5	Ethanol	ND<50,000	1000	50
Ethylbenzene	2400	1000	0.5	Ethyl tert-butyl ether (ETBE)	ND<500	1000	0.5
Freon 113	ND<10,000	1000	10	Hexachlorobutadiene	ND<500	1000	0.5
Hexachloroethane	ND<500	1000	0.5	2-Hexanone	ND<500	1000	0.5
Methanol	ND<500,000	1000	500	Isopropylbenzene	ND<500	1000	0.5
4-Isopropyl toluene	ND<500	1000	0.5	Methyl-t-butyl ether (MTBE)	ND<500	1000	0.5
Methylene chloride	ND<500	1000	0.5	4-Methyl-2-pentanone (MIBK)	ND<500	1000	0.5
Naphthalene	660	1000	0.5	n-Propyl benzene	ND<500	1000	0.5
Styrene	ND<500	1000	0.5	1,1,1,2-Tetrachloroethane	ND<500	1000	0.5
1,1,2,2-Tetrachloroethane	ND<500	1000	0.5	Tetrachloroethene	ND<500	1000	0.5
Toluene	14,000	1000	0.5	1,2,3-Trichlorobenzene	ND<500	1000	0.5
1,2,4-Trichlorobenzene	ND<500	1000	0.5	1,1,1-Trichloroethane	ND<500	1000	0.5
1,1,2-Trichloroethane	ND<500	1000	0.5	Trichloroethene	ND<500	1000	0.5
Trichlorofluoromethane	ND<500	1000	0.5	1,2,3-Trichloropropane	ND<500	1000	0.5
1,2,4-Trimethylbenzene	2600	1000	0.5	1,3,5-Trimethylbenzene	660	1000	0.5
Vinyl Chloride	ND<500	1000	0.5	Xylenes	11,000	1000	0.5

Surrogate Recoveries (%)

%SS1:	87	%SS2:	82
%SS3:	74		

Comments: b6

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 10/02/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 10/02/08

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809785

Lab ID	0809785-002C
Client ID	TR-11-3Q08
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	1.7	1.0	0.5	Ethanol	ND	1.0	50
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Methanol	ND	1.0	500	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	0.69	1.0	0.5

Surrogate Recoveries (%)

%SS1:	86	%SS2:	82
%SS3:	74		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

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Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 10/02/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 10/02/08

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809785

Lab ID	0809785-003C
Client ID	TR-5-3Q08
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	200	10	tert-Amyl methyl ether (TAME)	ND<100	200	0.5
Benzene	6600	200	0.5	Bromobenzene	ND<100	200	0.5
Bromochloromethane	ND<100	200	0.5	Bromodichloromethane	ND<100	200	0.5
Bromoform	ND<100	200	0.5	Bromomethane	ND<100	200	0.5
2-Butanone (MEK)	ND<400	200	2.0	t-Butyl alcohol (TBA)	ND<400	200	2.0
n-Butyl benzene	ND<100	200	0.5	sec-Butyl benzene	ND<100	200	0.5
tert-Butyl benzene	ND<100	200	0.5	Carbon Disulfide	ND<100	200	0.5
Carbon Tetrachloride	ND<100	200	0.5	Chlorobenzene	ND<100	200	0.5
Chloroethane	ND<100	200	0.5	Chloroform	ND<100	200	0.5
Chloromethane	ND<100	200	0.5	2-Chlorotoluene	ND<100	200	0.5
4-Chlorotoluene	ND<100	200	0.5	Dibromochloromethane	ND<100	200	0.5
1,2-Dibromo-3-chloropropane	ND<40	200	0.2	1,2-Dibromoethane (EDB)	ND<100	200	0.5
Dibromomethane	ND<100	200	0.5	1,2-Dichlorobenzene	ND<100	200	0.5
1,3-Dichlorobenzene	ND<100	200	0.5	1,4-Dichlorobenzene	ND<100	200	0.5
Dichlorodifluoromethane	ND<100	200	0.5	1,1-Dichloroethane	ND<100	200	0.5
1,2-Dichloroethane (1,2-DCA)	ND<100	200	0.5	1,1-Dichloroethene	ND<100	200	0.5
cis-1,2-Dichloroethene	ND<100	200	0.5	trans-1,2-Dichloroethene	ND<100	200	0.5
1,2-Dichloropropane	ND<100	200	0.5	1,3-Dichloropropane	ND<100	200	0.5
2,2-Dichloropropane	ND<100	200	0.5	1,1-Dichloropropene	ND<100	200	0.5
cis-1,3-Dichloropropene	ND<100	200	0.5	trans-1,3-Dichloropropene	ND<100	200	0.5
Diisopropyl ether (DIPE)	ND<100	200	0.5	Ethanol	ND<10,000	200	50
Ethylbenzene	380	200	0.5	Ethyl tert-butyl ether (ETBE)	ND<100	200	0.5
Freon 113	ND<2000	200	10	Hexachlorobutadiene	ND<100	200	0.5
Hexachloroethane	ND<100	200	0.5	2-Hexanone	ND<100	200	0.5
Methanol	ND<100,000	200	500	Isopropylbenzene	ND<100	200	0.5
4-Isopropyl toluene	ND<100	200	0.5	Methyl-t-butyl ether (MTBE)	ND<100	200	0.5
Methylene chloride	ND<100	200	0.5	4-Methyl-2-pentanone (MIBK)	ND<100	200	0.5
Naphthalene	150	200	0.5	n-Propyl benzene	130	200	0.5
Styrene	ND<100	200	0.5	1,1,1,2-Tetrachloroethane	ND<100	200	0.5
1,1,2,2-Tetrachloroethane	ND<100	200	0.5	Tetrachloroethene	ND<100	200	0.5
Toluene	2300	200	0.5	1,2,3-Trichlorobenzene	ND<100	200	0.5
1,2,4-Trichlorobenzene	ND<100	200	0.5	1,1,1-Trichloroethane	ND<100	200	0.5
1,1,2-Trichloroethane	ND<100	200	0.5	Trichloroethene	ND<100	200	0.5
Trichlorofluoromethane	ND<100	200	0.5	1,2,3-Trichloropropane	ND<100	200	0.5
1,2,4-Trimethylbenzene	1200	200	0.5	1,3,5-Trimethylbenzene	390	200	0.5
Vinyl Chloride	ND<100	200	0.5	Xylenes	1300	200	0.5

Surrogate Recoveries (%)

%SS1:	86	%SS2:	81
%SS3:	70		

Comments: b6

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

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Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 10/02/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 10/02/08

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809785

Lab ID	0809785-004C
Client ID	TR-4-3Q08
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	100	10	tert-Amyl methyl ether (TAME)	ND<50	100	0.5
Benzene	680	100	0.5	Bromobenzene	ND<50	100	0.5
Bromochloromethane	ND<50	100	0.5	Bromodichloromethane	ND<50	100	0.5
Bromoform	ND<50	100	0.5	Bromomethane	ND<50	100	0.5
2-Butanone (MEK)	ND<200	100	2.0	t-Butyl alcohol (TBA)	ND<200	100	2.0
n-Butyl benzene	89	100	0.5	sec-Butyl benzene	ND<50	100	0.5
tert-Butyl benzene	ND<50	100	0.5	Carbon Disulfide	ND<50	100	0.5
Carbon Tetrachloride	ND<50	100	0.5	Chlorobenzene	ND<50	100	0.5
Chloroethane	ND<50	100	0.5	Chloroform	ND<50	100	0.5
Chloromethane	ND<50	100	0.5	2-Chlorotoluene	ND<50	100	0.5
4-Chlorotoluene	ND<50	100	0.5	Dibromochloromethane	ND<50	100	0.5
1,2-Dibromo-3-chloropropane	ND<20	100	0.2	1,2-Dibromoethane (EDB)	ND<50	100	0.5
Dibromomethane	ND<50	100	0.5	1,2-Dichlorobenzene	ND<50	100	0.5
1,3-Dichlorobenzene	ND<50	100	0.5	1,4-Dichlorobenzene	ND<50	100	0.5
Dichlorodifluoromethane	ND<50	100	0.5	1,1-Dichloroethane	ND<50	100	0.5
1,2-Dichloroethane (1,2-DCA)	ND<50	100	0.5	1,1-Dichloroethene	ND<50	100	0.5
cis-1,2-Dichloroethene	ND<50	100	0.5	trans-1,2-Dichloroethene	ND<50	100	0.5
1,2-Dichloropropane	ND<50	100	0.5	1,3-Dichloropropane	ND<50	100	0.5
2,2-Dichloropropane	ND<50	100	0.5	1,1-Dichloropropene	ND<50	100	0.5
cis-1,3-Dichloropropene	ND<50	100	0.5	trans-1,3-Dichloropropene	ND<50	100	0.5
Diisopropyl ether (DIPE)	ND<50	100	0.5	Ethanol	ND<5000	100	50
Ethylbenzene	1600	100	0.5	Ethyl tert-butyl ether (ETBE)	ND<50	100	0.5
Freon 113	ND<1000	100	10	Hexachlorobutadiene	ND<50	100	0.5
Hexachloroethane	ND<50	100	0.5	2-Hexanone	ND<50	100	0.5
Methanol	ND<50,000	100	500	Isopropylbenzene	110	100	0.5
4-Isopropyl toluene	ND<50	100	0.5	Methyl-t-butyl ether (MTBE)	ND<50	100	0.5
Methylene chloride	ND<50	100	0.5	4-Methyl-2-pentanone (MIBK)	ND<50	100	0.5
Naphthalene	400	100	0.5	n-Propyl benzene	290	100	0.5
Styrene	ND<50	100	0.5	1,1,1,2-Tetrachloroethane	ND<50	100	0.5
1,1,2,2-Tetrachloroethane	ND<50	100	0.5	Tetrachloroethene	ND<50	100	0.5
Toluene	210	100	0.5	1,2,3-Trichlorobenzene	ND<50	100	0.5
1,2,4-Trichlorobenzene	ND<50	100	0.5	1,1,1-Trichloroethane	ND<50	100	0.5
1,1,2-Trichloroethane	ND<50	100	0.5	Trichloroethene	ND<50	100	0.5
Trichlorofluoromethane	ND<50	100	0.5	1,2,3-Trichloropropane	ND<50	100	0.5
1,2,4-Trimethylbenzene	2500	100	0.5	1,3,5-Trimethylbenzene	680	100	0.5
Vinyl Chloride	ND<50	100	0.5	Xylenes	1700	100	0.5

Surrogate Recoveries (%)

%SS1:	88	%SS2:	82
%SS3:	74		

Comments: b6

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

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Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 10/02/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 10/02/08

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0809785

Lab ID	0809785-005C
Client ID	TR-6-3Q08
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<10,000	1000	10	tert-Amyl methyl ether (TAME)	ND<500	1000	0.5
Benzene	8700	1000	0.5	Bromobenzene	ND<500	1000	0.5
Bromochloromethane	ND<500	1000	0.5	Bromodichloromethane	ND<500	1000	0.5
Bromoform	ND<500	1000	0.5	Bromomethane	ND<500	1000	0.5
2-Butanone (MEK)	ND<2000	1000	2.0	t-Butyl alcohol (TBA)	ND<2000	1000	2.0
n-Butyl benzene	ND<500	1000	0.5	sec-Butyl benzene	ND<500	1000	0.5
tert-Butyl benzene	ND<500	1000	0.5	Carbon Disulfide	ND<500	1000	0.5
Carbon Tetrachloride	ND<500	1000	0.5	Chlorobenzene	ND<500	1000	0.5
Chloroethane	ND<500	1000	0.5	Chloroform	ND<500	1000	0.5
Chloromethane	ND<500	1000	0.5	2-Chlorotoluene	ND<500	1000	0.5
4-Chlorotoluene	ND<500	1000	0.5	Dibromochloromethane	ND<500	1000	0.5
1,2-Dibromo-3-chloropropane	ND<200	1000	0.2	1,2-Dibromoethane (EDB)	ND<500	1000	0.5
Dibromomethane	ND<500	1000	0.5	1,2-Dichlorobenzene	ND<500	1000	0.5
1,3-Dichlorobenzene	ND<500	1000	0.5	1,4-Dichlorobenzene	ND<500	1000	0.5
Dichlorodifluoromethane	ND<500	1000	0.5	1,1-Dichloroethane	ND<500	1000	0.5
1,2-Dichloroethane (1,2-DCA)	ND<500	1000	0.5	1,1-Dichloroethene	ND<500	1000	0.5
cis-1,2-Dichloroethene	ND<500	1000	0.5	trans-1,2-Dichloroethene	ND<500	1000	0.5
1,2-Dichloropropane	ND<500	1000	0.5	1,3-Dichloropropane	ND<500	1000	0.5
2,2-Dichloropropane	ND<500	1000	0.5	1,1-Dichloropropene	ND<500	1000	0.5
cis-1,3-Dichloropropene	ND<500	1000	0.5	trans-1,3-Dichloropropene	ND<500	1000	0.5
Diisopropyl ether (DIPE)	ND<500	1000	0.5	Ethanol	ND<50,000	1000	50
Ethylbenzene	4300	1000	0.5	Ethyl tert-butyl ether (ETBE)	ND<500	1000	0.5
Freon 113	ND<10,000	1000	10	Hexachlorobutadiene	ND<500	1000	0.5
Hexachloroethane	ND<500	1000	0.5	2-Hexanone	ND<500	1000	0.5
Methanol	ND<500,000	1000	500	Isopropylbenzene	ND<500	1000	0.5
4-Isopropyl toluene	ND<500	1000	0.5	Methyl-t-butyl ether (MTBE)	ND<500	1000	0.5
Methylene chloride	ND<500	1000	0.5	4-Methyl-2-pentanone (MIBK)	ND<500	1000	0.5
Naphthalene	930	1000	0.5	n-Propyl benzene	ND<500	1000	0.5
Styrene	ND<500	1000	0.5	1,1,1,2-Tetrachloroethane	ND<500	1000	0.5
1,1,2,2-Tetrachloroethane	ND<500	1000	0.5	Tetrachloroethene	ND<500	1000	0.5
Toluene	17,000	1000	0.5	1,2,3-Trichlorobenzene	ND<500	1000	0.5
1,2,4-Trichlorobenzene	ND<500	1000	0.5	1,1,1-Trichloroethane	ND<500	1000	0.5
1,1,2-Trichloroethane	ND<500	1000	0.5	Trichloroethene	ND<500	1000	0.5
Trichlorofluoromethane	ND<500	1000	0.5	1,2,3-Trichloropropane	ND<500	1000	0.5
1,2,4-Trimethylbenzene	4200	1000	0.5	1,3,5-Trimethylbenzene	1100	1000	0.5
Vinyl Chloride	ND<500	1000	0.5	Xylenes	14,000	1000	0.5

Surrogate Recoveries (%)

%SS1:	87	%SS2:	81
%SS3:	74		

Comments: b6

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

b6) lighter than water immiscible sheen/product is present

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Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
		Date Received: 09/25/08
501 14Th Street, 3rd Floor	Client Contact: Louis Arighi	Date Extracted: 09/26/08-09/27/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 09/26/08-09/27/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0809785

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	TR-10-3Q08	W	130,000,d1,b6	---	10,000	13,000	2500	13,000	100	117
002A	TR-11-3Q08	W	ND	---	ND	1.0	0.55	1.4	1	89
003A	TR-5-3Q08	W	34,000,d1,b6	---	5500	1900	350	1400	50	102
004A	TR-4-3Q08	W	39,000,d1,b6	---	670	170	1400	1800	50	104
005A	TR-6-3Q08	W	290,000,d1,b6	---	8400	17,000	6300	25,000	200	104

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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Treadwell & Rollo	Client Project ID: #2543.04; 2855 Mandela Parkway	Date Sampled: 09/24/08
501 14Th Street, 3rd Floor		Date Received: 09/25/08
	Client Contact: Louis Arighi	Date Extracted: 09/25/08
Oakland, CA 94612	Client P.O.:	Date Analyzed 09/28/08-09/30/08

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method SW3510C/3630C Analytical methods: SW8015B Work Order: 0809785

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	DF	% SS
0809785-001B	TR-10-3Q08	W	26,000,e4,b6	1	104
0809785-002B	TR-11-3Q08	W	ND	1	117
0809785-003B	TR-5-3Q08	W	8100,e4	1	116
0809785-004B	TR-4-3Q08	W	10,000,e4,b6	1	116
0809785-005B	TR-6-3Q08	W	73,000,e4,b6	20	106

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
e4) gasoline range compounds are significant.

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38522 WorkOrder 0809785

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0809788-001C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	90.8	99.4	9.06	99	100	1.22	70 - 130	30	70 - 130	30
Benzene	ND	10	93.6	101	7.29	104	103	0.192	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	74.2	90	19.2	87.2	90.5	3.67	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	91.9	98.3	6.69	99.5	98.3	1.17	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	100	108	7.30	105	107	1.81	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	120	124	3.30	117	119	1.40	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	77.4	81.6	5.31	86.2	84.8	1.63	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	94.4	103	8.59	103	103	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	109	119	8.84	116	117	1.00	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	99.2	109	9.69	107	109	1.59	70 - 130	30	70 - 130	30
Toluene	ND	10	99	104	4.60	106	106	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	93.3	100	6.97	99.6	100	0.636	70 - 130	30	70 - 130	30
%SS1:	97	25	92	91	1.04	94	94	0	70 - 130	30	70 - 130	30
%SS2:	100	25	99	98	1.63	103	103	0	70 - 130	30	70 - 130	30
%SS3:	115	2.5	103	97	6.08	119	118	1.03	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38522 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809785-001C	09/24/08 9:55 AM	10/02/08	10/02/08 3:15 PM	0809785-002C	09/24/08 11:50 AM	10/02/08	10/02/08 12:03 PM
0809785-003C	09/24/08 1:55 PM	10/02/08	10/02/08 1:58 PM	0809785-004C	09/24/08 3:15 PM	10/02/08	10/02/08 2:37 PM
0809785-005C	09/24/08 4:40 PM	10/02/08	10/02/08 3:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38516 WorkOrder 0809785

EPA Method SW8021B/8015Cm **Extraction SW5030B** **Spiked Sample ID: 0809788-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	95.1	99.9	4.94	94	96.1	2.23	70 - 130	20	70 - 130	20
MTBE	ND	10	104	104	0	92.2	95.3	3.27	70 - 130	20	70 - 130	20
Benzene	ND	10	92.1	94.7	2.74	95.4	94.6	0.778	70 - 130	20	70 - 130	20
Toluene	ND	10	104	107	2.94	93.6	94.6	1.04	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	103	106	2.97	98.6	99.6	0.982	70 - 130	20	70 - 130	20
Xylenes	ND	30	114	118	3.06	110	111	0.457	70 - 130	20	70 - 130	20
%SS:	96	10	94	94	0	92	94	1.79	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38516 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809785-001A	09/24/08 9:55 AM	09/27/08	09/27/08 10:15 PM	0809785-002A	09/24/08 11:50 AM	09/27/08	09/27/08 9:42 PM
0809785-003A	09/24/08 1:55 PM	09/26/08	09/26/08 10:13 PM	0809785-004A	09/24/08 3:15 PM	09/26/08	09/26/08 10:47 PM
0809785-005A	09/24/08 4:40 PM	09/26/08	09/26/08 11:20 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 38521 WorkOrder 0809785

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	94.4	93.4	1.10	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	89	90	1.50	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 38521 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0809785-001B	09/24/08 9:55 AM	09/25/08	09/28/08 12:36 PM	0809785-002B	09/24/08 11:50 AM	09/25/08	09/30/08 12:29 AM
0809785-003B	09/24/08 1:55 PM	09/25/08	09/28/08 5:19 PM	0809785-004B	09/24/08 3:15 PM	09/25/08	09/28/08 6:30 PM
0809785-005B	09/24/08 4:40 PM	09/25/08	09/30/08 2:30 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

APPENDIX B
Field Forms

Treadwell&Rollo

FIELD REPORT NO. ____
Sheet 1 of 1

Project: Mandela Pkwy – TR-64 Project No: 2543.04
Subject: CONSTRUCTION OBSERVATION DAILY REPORT Date: 9/24/08
Field Engineer: Louis Arighi

Well casing diameter: 4" Bailer: poly

Well total depth: 19.95
Depth to water: 5.41
Depth to free phase product: 5.38

water column length	x multiplier	x no. vols	= purge vol (gals)
9.60	0.66	2	19.2

Date/Time Sampled 9/24/08 / 1515

Sample no	Container #	Analysis	Preservatives	Lab
TR-64-3Q08	2 VOAs	TPH-g, BTEX	HCl	McCampbell Analytical
	2 VOAs	VOCs	↓	
	1 1-L amber	TPH-d		

Attachments: _____

Initials _____

Treadwell&Rollo

FIELD REPORT NO. ____
Sheet 1 of 1

Project: Mandela Parkway – TR-5 Project No: 2543.04
Subject: ~~CONSTRUCTION OBSERVATION DAILY REPORT~~ GWM Date: 9/24/08
Field Engineer: Louis Armijo

Well Casing diameter: 4" Bailer: poly

Well total depth: 19.7
Depth to water: 8.86
Depth to freephase product: — Note: ~~Dark~~ black viscous product observed on probe

Water column length X multiplier X no. Vols = gals purge vol
10.84 0.66 2 14.3 gal calc
10 gal actual

Date/Time Sampled 9/24/08/13:55

Sample no	Container #/Volume	Analysis	Preservatives	Lab
TR-5-3Q08	2 VOAs	TPH-g/BTEX	HCl	McCampbell Analytical
	2 VOAs	VOCs		
	1 1-L amber	TPH-d	↓	

Attachments: _____

Initials _____

Treadwell&Rollo

FIELD REPORT NO. ____
Sheet 1 of 1

Project: Mandela Pkwy - TR-MW6 Project No: 2543.04
Subject: CONSTRUCTION OBSERVATION DAILY REPORT Date: 9/24/08
Field Engineer: Louis Wright

Well casing diameter: 4" Bailer: Poly

Well total depth: 19.8
Depth to water: 10.02
Depth to free phase product: 9.78

Water column length x multiplier x no. vols = Purge vol (gal)
9.78 0.66 2 = 12.9 calc

Date/time sampled 9/24/08 / 1640

Sample no.	Container #	Analysis	preservatives	Lab
TR-MW-3a08	2 VOAs	TPH-g / BTEX	HCl	McCampbell Analytical
	2 VOAs	VOCs		
	1 1-L amber	TPH-d	↓	

Attachments: _____

Initials _____

GROUNDWATER SAMPLING FORM

Project Name: Mandela Parkway | Well No.: TR-10

Project Number: 2543.04 | Well Type: [X] Monitor [ ] Extraction [ ] Other

Recorded By: LMA | Sampled by: LMA | Date: 9/24/08

WELL PURGING

PURGE VOLUME

Well casing diameter

[X] 2-inch [ ] 3/8-inch [X] Other 4"

Well Total Depth (TD, ft. below TOC): 16.40

Depth to Water (WL, ft. below TOC): 12.35

Depth to free phase (FP, ft. below TOC): 11.22

Number of casing volumes to be purged

[ ] 4 [ ] 10 [ ] Other

PURGE METHOD

[X] Bailer \ Type: Poly

[ ] Pump \ Type:

[ ] Other:

PUMP INTAKE

[ ] Near top Depth (ft):

[ ] Near Bottom Depth (ft):

[ ] Other:

PURGE VOLUME CALCULATION

4.051 (Water Column Length) x 0.66 (Multiplier) x 3 (No. Vols) = 8.0 gals CALCULATED PURGE VOLUME

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

3.0 gals ACTUAL PURGE VOLUME

Total Purge Time: | Recharge Rate: | Purge Rate:

GROUNDWATER PARAMETER MEASUREMENTS

Meter \ Meter Type: Horiba U22 Flow Through Cell

Time / Liters	pH	Temp *C *F	Cond (mS/cm)	Turbidity NTU	DO (%)	DO (mg/L)	ORP (mV)	Comments
/								
/								
/								
/								
/								
/								
/								
/								
/								
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/								
/								
/								
/								
/								

Comments: | Purge water storage/disposal: [X] Drummed onsite [ ] Other:

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled: 9/24/08 1 0955

Bailer - Type [X] Poly | Sample port [ ] | Other [ ]

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
TR-10-0308	2 VOAs	~~TPH-g/BTEX~~	HCl	~~Curtis & Tompkins~~	
	2 VOAs	VOCs	↓	McCampbell	
	1 1-L amber	~~TPH-g~~ TPH-d	↓	Analytical	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

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Environmental and Geotechnical Consultant

GROUNDWATER SAMPLING FORM

Project Name: Mandela Parkway | Well No.: TR-11

Project Number: 2543.04 | Well Type: [X] Monitor [ ] Extraction [ ] Other

Recorded By: LMA | Sampled by: LMA | Date: 9/24/08

WELL PURGING

PURGE VOLUME

Well casing diameter

[X] 2-inch [ ] 3/8-inch [X] Other 4"

Well Total Depth (TD, ft. below TOC) : 19.50

Depth to Water (WL, ft. below TOC) : 9.25

Depth to free phase (FP, ft. below TOC) : —

Number of casing volumes to be purged

[ ] 4 [ ] 10 [ ] Other

PURGE METHOD

[X] Bailer \ Type poly

[ ] Pump \ Type

[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)

[ ] Near Bottom Depth (ft)

[ ] Other

PURGE VOLUME CALCULATION

10.25 (Water Column Length) X 0.66 (Multiplier) X 3 (No. Vols) = 13.5 gals CALCULATED PURGE VOLUME

Total Purge Time

Recharge Rate

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

Purge Rate

10.5 gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS

Meter or Meter Type: Horiba U22 Flow Through Cell

Time / Liters	pH	Temp *C *F	Cond. (mS/cm)	Turbidity NTU	DO (%)	DO (mg/L)	ORP (mV)	Comments
/								
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/								
/								

Comments

Purge water storage/disposal [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD

Date/Time Sampled: 9/24/08 1150

Bailer - Type [X] poly

Sample port [ ] Other [ ]

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
TR-11-Q308	2 VOAs	TPH-g/BTEX	HCl	Curtis & Tompkins	
	2 VOAs	VOCs	↓		
	1 1-L amber	TPH-d	↓		

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

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