



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: August 4, 2010 REFERENCE NO.: 240781
PROJECT NAME: 2703 Martin Luther King Jr. Way, Oakland

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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8:46 am, Aug 05, 2010
Alameda County
Environmental Health

Please find enclosed: Draft Final
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Second Quarter 2010

As Requested For Review and Comment
 For Your Use

COMMENTS:
If you have any questions regarding the contents of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (*electronic copy*)
Rodney & Janet Kwan, Auto Tech West, 2703 Martin Luther King Jr. Way, Oakland, CA 94612
Scott Merillat, 664 27th Street, Oakland, CA 94612
Monique Oatis, 670 27th Street, Oakland, CA 94612
Jack Chang, 559 9th Avenue, San Francisco, CA 94118-3716

Completed by: Peter Schaefer Signed:

Filing: **Correspondence File**



Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACEH Case No. RO0000145

Denis L. Brown

Shell Oil Products US

HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Project Manager



GROUNDWATER MONITORING REPORT - SECOND QUARTER 2010

**FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY
OAKLAND, CALIFORNIA**

**SAP CODE 129449
INCIDENT NO. 97093397
AGENCY NO. RO0000145**

**AUGUST 4, 2010
REF. NO. 240781 (12)**
This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: <http://www.CRAworld.com>

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REPORT

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	2703 Martin Luther King Jr. Way, Oakland
Site Use	Auto repair shop
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000145
Shell SAP Code	129449
Shell Incident No.	97093397

Date of most recent agency correspondence was July 20, 2010 (electronic correspondence).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

CRA submitted a *Soil Vapor Sampling Report* on January 2, 2010. Soil vapor sample concentrations of benzene, toluene, ethylbenzene, and xylenes in VP-6 through VP-9 have been below RWQCB ESLs for residential land use since the initial sampling event in May 2007 with the exception of 110 µg/m³ benzene detected in VP-6-3' during the

May 2007 sampling event. This concentration is below the RWQCB ESL for commercial land use. Based on these results, CRA recommended suspending soil vapor monitoring.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	5.42 to 8.41 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA will implement the proposals presented in our September 16, 2009 *Revised Remedial Action Plan* and our February 5, 2008 *Site Conceptual Model and Feasibility Study/Corrective Action Plan* following completion of access agreements and receipt of required permits. Based on delays in negotiations with the current property owner to clear the site of vehicles and debris, CRA requested and ACEH granted an extension of the deadline for the excavation report to February 28, 2011.

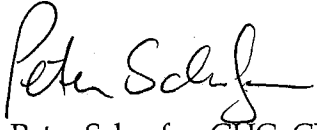
Negotiations with one off-site property owner continue for completing the off-site shallow soil investigation activities proposed in CRA's *Revised Remedial Action Plan* on September 16, 2009. CRA requested ACEH's assistance in completing this agreement and ACEH sent a letter to the property owner on July 20, 2010 requesting that he cooperate with ACEH and Shell to allow this investigation to be completed. To date, CRA has not received any communication from the home owner. CRA requested and ACEH granted an extension of the deadline for the off-site shallow soil investigation report to October 29, 2010.

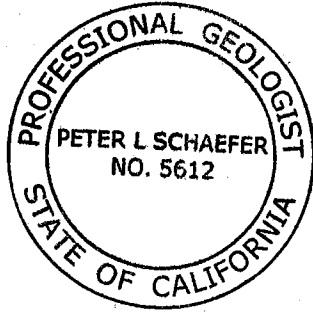
CRA also requested ACEH's assistance in completing the door-to-door survey requested in ACEH's February 11, 2010 letter. ACEH sent a letter to the property owner on July 20, 2010 requesting that he complete CRA's survey form. To date, CRA has not received any communication from the home owner. CRA requested and ACEH granted an extension of the deadline for the off-site shallow soil investigation report to September 29, 2010.

Shell has obtained an access agreement to install proposed monitoring wells MW-9, MW-10, and MW-11 and soil vapor probe VP-10 on Oakland Unified School District property and will install the wells and probe following receipt of required permits.

Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

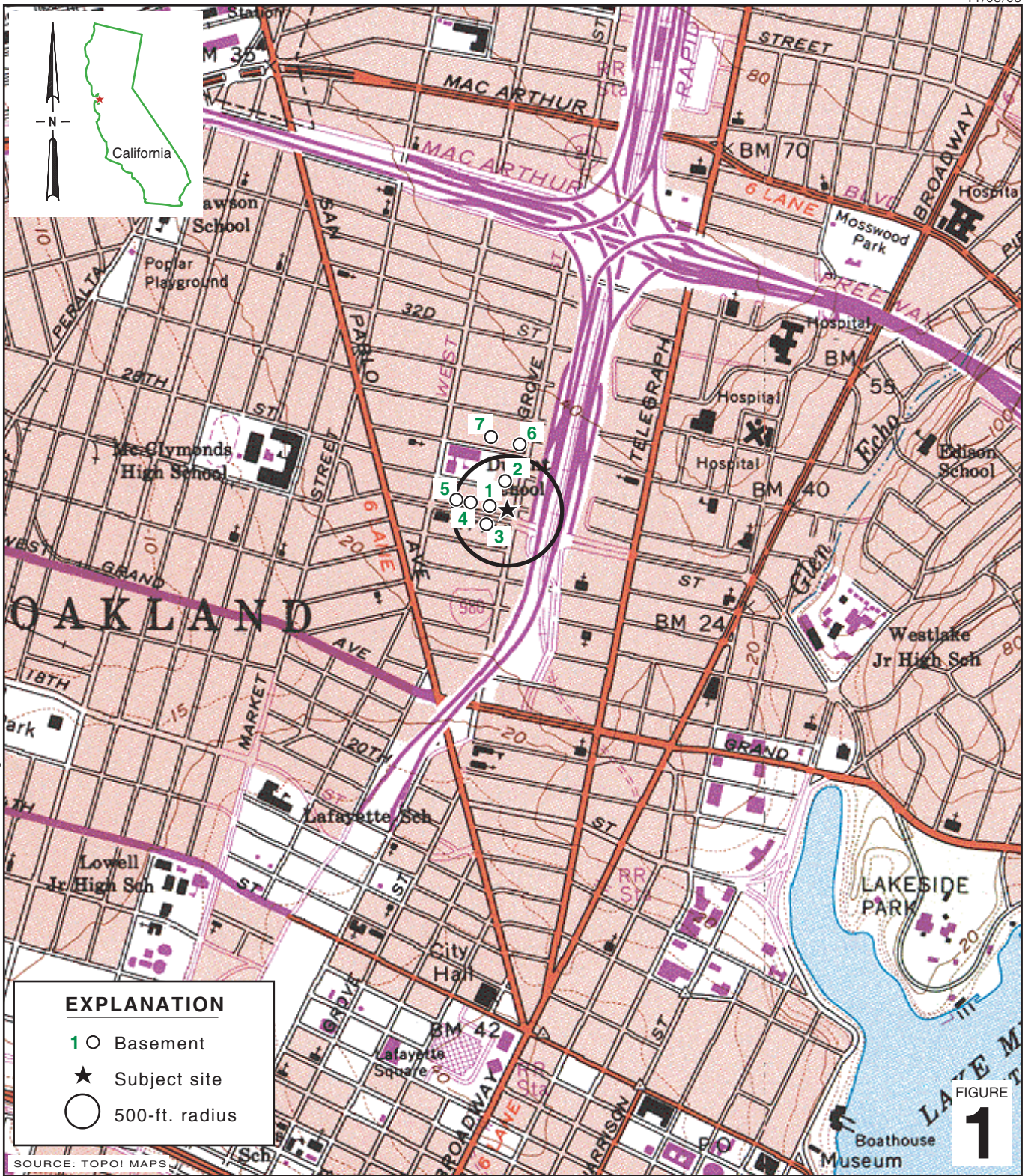
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES


Peter Schaefer, CHG, CEG




Aubrey K. Cool, PG

FIGURES



I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-FIGURES\240781 VICINITY.AI

FIGURE 1

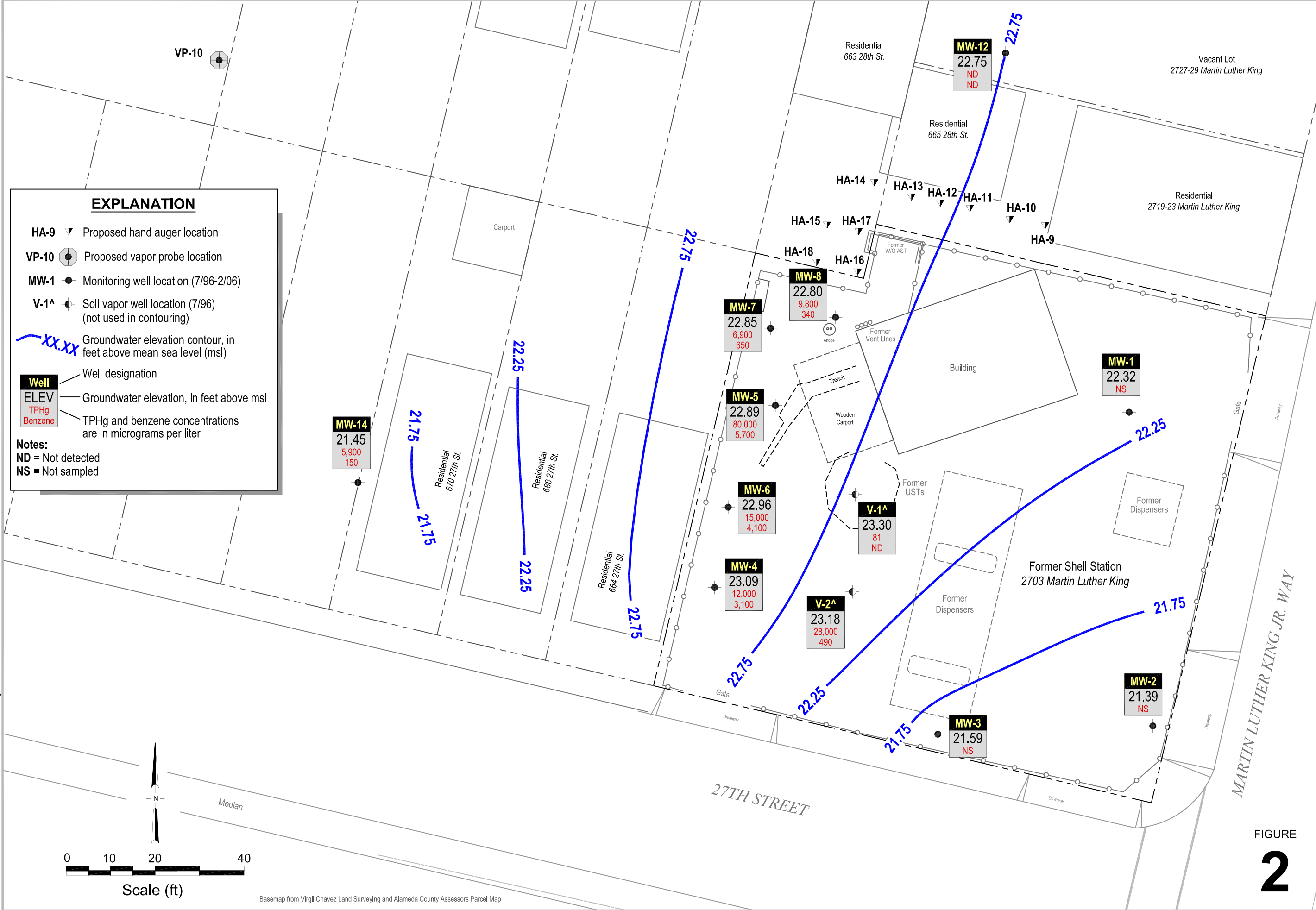
Former Shell Service Station
 2703 Martin Luther King Jr. Way
 Oakland, California



CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

I:\Shell\6-chars\2407--\240781--Oakland 2703 Martin Luther King\240781-REPORTS\240781-RPT12-2010\240781_20M10-GW.DWG

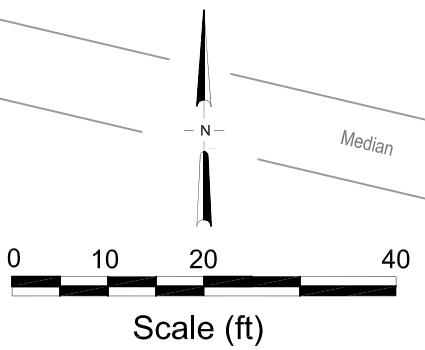


EXPLANATION

- HA-9 ▾ Proposed hand auger location
- VP-10 ● Proposed vapor probe location
- MW-1 ● Monitoring well location (7/96-2/06)
- V-1^A ● Soil vapor well location (7/96) (not used in contouring)
- xx.xx Groundwater elevation contour, in feet above mean sea level (msl)

Well	ELEV	TPHg	Benzene
MW-14	21.45	5,900	150
MW-7	22.85	6,900	650
MW-5	22.89	80,000	5,700
MW-6	22.96	15,000	4,100
MW-4	23.09	12,000	3,100
MW-8	22.80	9,800	340
MW-12	22.75	ND	ND
MW-1	22.32	NS	
MW-2	21.39	NS	
MW-3	21.59	NS	
V-1^A	23.30	81	ND
V-2^A	23.18	28,000	490

Notes:
 ND = Not detected
 NS = Not sampled



Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map

Groundwater Contour and Chemical Concentration Map

May 10, 2010



Former Shell Service Station
 2703 Martin Luther King Jr Way
 Oakland, California

FIGURE 2

APPENDIX A

BLAINE TECH SERVICES, INC. -
GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 27, 2010

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Second Quarter 2010 Groundwater Monitoring at
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Monitoring performed on May 10, 2010

Groundwater Monitoring Report **100510-IW-1**

This report covers the routine monitoring of groundwater wells at this former Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purge water (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

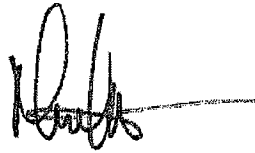
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (B-11)	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.76	14.77	NA
MW-1 (B-11) (D)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.88	13.65	NA
MW-1 (B-11)	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	6.82	16.71	NA
MW-1 (B-11)	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.89	15.64	NA
MW-1 (B-11)	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.71	14.82	NA
MW-1 (B-11)	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.26	14.27	NA
MW-1 (B-11)	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.94	15.59	NA
MW-1 (B-11)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.21	16.32	NA
MW-1 (B-11)	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.78	15.75	NA
MW-1 (B-11)	10/01/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.39	15.14	NA
MW-1 (B-11)	01/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	NA	NA	NA	NA	NA	23.53	8.28	15.25	NA
MW-1 (B-11)	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.41	15.12	NA
MW-1 (B-11)	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.17	15.36	NA
MW-1 (B-11)	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	23.53	9.37	14.16	NA
MW-1 (B-11)	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.52	16.01	NA
MW-1 (B-11)	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.66	15.87	NA
MW-1 (B-11)	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.81	15.72	NA
MW-1 (B-11)	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.83	15.70	NA
MW-1 (B-11)	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	8.60	14.93	NA
MW-1	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	9.01	14.52	0.2
MW-1	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.68	15.85	2.1
MW-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.38	16.15	1.1
MW-1	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.75	15.78	2.2

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	8.10	21.43	1.6
MW-1	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	7.82	21.71	0.6
MW-1	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	29.53	7.76	21.77	1.7
MW-1	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	7.87	21.66	1.5
MW-1	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.67	20.86	0.8
MW-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.28	21.25	NA
MW-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.50	21.03	1.1
MW-1	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.98	21.55	NA
MW-1	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.30	21.23	NA
MW-1	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.27	21.26	NA
MW-1	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	6.92	22.61	NA
MW-1	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.18	22.35	NA
MW-1	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.43	22.10	NA
MW-1	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.55	21.98	NA
MW-1	01/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	5.35	24.19	NA
MW-1	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.54	6.81	22.73	0.78
MW-1	08/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.77	21.77	NA
MW-1	11/08/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.39	21.15	NA
MW-1	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.11	22.43	NA
MW-1	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.20	22.34	NA
MW-1	08/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.86	21.68	NA
MW-1	11/08/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.89	21.65	NA
MW-1	02/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.38	22.16	NA
MW-1	05/01/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.58	21.96	NA
MW-1	08/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.85	20.69	NA
MW-1	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.90	20.64	NA
MW-1	02/03/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.51	21.03	NA

WELL CONCENTRATIONS
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Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	06/02/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.45	21.09	NA
MW-1	11/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.89	20.65	NA
MW-1	05/10/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.22	22.32	NA
MW-2 (B-12)*	07/17/1996	<50	<0.50	0.69	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.35	14.12	NA
MW-2 (B-12)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.32	13.15	NA
MW-2 (B-12) (D)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.80	15.67	NA
MW-2 (B-12) (D)*	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.81	14.66	NA
MW-2 (B-12)*	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.27	14.20	NA
MW-2 (B-12)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.12	13.35	NA
MW-2 (B-12)*	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	NA	NA	NA	NA	NA	22.47	7.41	15.06	NA
MW-2 (B-12)*	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.59	15.88	NA
MW-2 (B-12)*	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.49	14.98	NA
MW-2 (B-12)*	10/01/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	NA	NA	NA	NA	NA	22.47	8.58	13.89	NA
MW-2 (B-12)*	01/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	NA	NA	NA	NA	NA	22.47	8.68	13.79	NA
MW-2 (B-12)*	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.62	13.85	NA
MW-2 (B-12)*	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.43	15.04	NA
MW-2 (B-12)*	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.47	9.00	13.47	NA
MW-2 (B-12)*	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.15	14.32	NA
MW-2 (B-12)*	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.04	15.43	NA
MW-2 (B-12)*	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.13	15.34	NA
MW-2 (B-12)*	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.78	13.69	NA
MW-2 (B-12)*	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.33	14.14	NA
MW-2 (B-12)*	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.24	15.23	NA

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MW-2 (B-12)*	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	8.55	13.92	NA
MW-2	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	9.42	13.05	NA
MW-2	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.23	15.24	NA
MW-2	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	6.90	15.57	NA
MW-2	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.97	14.50	NA
MW-2	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	8.62	19.85	NA
MW-2	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	7.08	21.39	NA
MW-2	04/17/2003	<50	<0.50	<0.50	0.98	2.5	NA	<5.0	NA	NA	NA	NA	28.47	6.94	21.53	NA
MW-2	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	8.10	20.37	NA
MW-2	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	9.09	19.38	NA
MW-2	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	7.28	21.19	NA
MW-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.99	19.48	2.8
MW-2	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.88	21.59	NA
MW-2	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.28	20.19	NA
MW-2	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.43	20.04	NA
MW-2	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.52	21.95	NA
MW-2	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.38	22.09	NA
MW-2	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	7.73	20.74	NA
MW-2	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.47	20.00	NA
MW-2	01/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.30	22.18	NA
MW-2	05/26/2006	59.9	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.48	6.84	21.64	3.02
MW-2	08/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.11	20.37	NA
MW-2	11/08/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.61	19.87	NA
MW-2	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.92	21.56	NA
MW-2	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	7.32	21.16	NA
MW-2	08/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.38	20.10	NA
MW-2	11/08/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.58	19.90	NA

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MW-2	02/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.48	22.00	NA
MW-2	05/01/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	19.00	9.48	NA
MW-2	08/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.53	19.95	NA
MW-2	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.88	19.60	NA
MW-2	02/03/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.20	20.28	NA
MW-2	06/02/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	7.50	20.98	NA
MW-2	11/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.69	19.79	NA
MW-2	05/10/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	7.09	21.39	NA
MW-3	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.30	7.16	15.14	NA
MW-3	05/03/2001	<100	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.28	15.02	NA
MW-3	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	8.45	13.85	NA
MW-3	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	9.44	12.86	NA
MW-3	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	5.88	16.42	NA
MW-3	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	6.68	15.62	NA
MW-3	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.63	14.67	NA
MW-3	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	8.56	19.74	NA
MW-3	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	6.95	21.35	NA
MW-3	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	28.30	6.77	21.53	NA
MW-3	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.92	20.38	NA
MW-3	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	9.12	19.18	NA
MW-3	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.21	21.09	NA
MW-3	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	9.00	19.30	0.6
MW-3	04/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.65	21.65	NA
MW-3	07/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.24	20.06	NA
MW-3	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.50	19.80	NA
MW-3	01/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.32	21.98	NA

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MW-3	04/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.05	22.25	NA
MW-3	08/01/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.65	20.65	NA
MW-3	10/05/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.31	19.99	NA
MW-3	01/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.10	22.20	NA
MW-3	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	2.87	<0.500	<0.500	<10.0	28.30	6.72	21.58	1.46
MW-3	08/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.12	20.18	NA
MW-3	11/08/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.71	19.59	NA
MW-3	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.78	21.52	NA
MW-3	05/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.20	21.10	NA
MW-3	08/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.18	20.12	NA
MW-3	11/08/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.41	19.89	NA
MW-3	02/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.31	21.99	NA
MW-3	05/01/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.52	20.78	NA
MW-3	08/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.32	19.98	NA
MW-3	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.71	19.59	NA
MW-3	02/03/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.08	20.22	NA
MW-3	06/02/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.28	21.02	NA
MW-3	11/10/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.72	19.58	NA
MW-3	05/10/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.71	21.59	NA
MW-4	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.51	7.05	15.46	NA
MW-4	05/03/2001	8,000	3,500	24	37	350	NA	<200	NA	NA	NA	NA	22.51	6.66	15.85	NA
MW-4	07/09/2001	16,000	4,100	32	890	790	NA	<200	NA	NA	NA	NA	22.51	8.28	14.23	NA
MW-4	10/18/2001	12,000	3,300	<20	430	220	NA	<200	NA	NA	NA	NA	22.51	9.40	13.11	NA
MW-4	01/24/2002	5,500	1,200	<5.0	280	240	NA	<50	NA	NA	NA	NA	22.51	5.73	16.78	NA
MW-4	04/04/2002	2,000	350	1.4	13	7.8	NA	<10	NA	NA	NA	NA	22.51	5.62	16.89	NA
MW-4	07/18/2002	3,400	440	1.3	200	98	NA	<5.0	NA	NA	NA	NA	22.51	6.94	15.57	NA

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MW-4	10/21/2002	16,000	3,100	11	1,200	970	NA	<5.0	NA	NA	NA	NA	28.51	8.04	20.47	NA
MW-4	01/21/2003	3,600	720	3.9	110	58	NA	<25	NA	NA	NA	NA	28.51	6.10	22.41	NA
MW-4	04/17/2003	3,700	810	<5.0	140	17	NA	<50	NA	NA	NA	NA	28.51	5.97	22.54	NA
MW-4	07/22/2003	3,700	450	<2.5	110	7.9	NA	<2.5	NA	NA	NA	NA	28.51	6.37	22.14	NA
MW-4	10/20/2003	11,000 c	2,500	<20	550	95	NA	<20	NA	NA	NA	NA	28.51	8.99	19.52	NA
MW-4	01/13/2004	6,600	1,500	<10	41	37	NA	<10	NA	NA	NA	NA	28.51	6.67	21.84	NA
MW-4	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.51	8.80	19.71	0.3
MW-4	04/01/2004	9,500	2,100	12	170	30	NA	NA	NA	NA	NA	NA	28.51	6.28	22.23	0.1
MW-4	07/13/2004	12,000	3,600	39	160	58	NA	<25	<100	<100	<100	<250	28.51	8.20	20.31	0.1
MW-4	10/26/2004	11,000	2,800	<25	100	<50	NA	NA	NA	NA	NA	NA	28.51	8.00	20.51	0.6
MW-4	01/13/2005	12,000	2,200	14	110	43	NA	NA	NA	NA	NA	NA	28.51	6.03	22.48	0.1
MW-4	04/28/2005	8,600	2,300	27	200	49	NA	NA	NA	NA	NA	NA	28.51	5.93	22.58	3.71
MW-4	08/01/2005	11,000	3,900	57	180	47	NA	<10	<40	<40	<40	<100	28.51	6.20	22.31	NA d
MW-4	10/05/2005	9,400	3,300	45	88	33	NA	NA	NA	NA	NA	NA	28.51	8.22	20.29	2.76
MW-4	01/11/2006	3,900 f	1,700 f	14	95	78	NA	<0.50	7.4	<0.50	<0.50	32	28.51	4.25	24.26	0.6
MW-4	05/26/2006	6,730	455	1.90	56.7	44.8	NA	<0.500	4.36	<0.500	<0.500	<10.0	28.51	5.90	22.61	0.54
MW-4	08/30/2006	29,600	2,740	30.0	448	237	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.51	7.98	20.53	0.44/0.46
MW-4	11/08/2006	6,300	1,500	13	130	67	NA	NA	NA	NA	NA	NA	28.51	8.52	19.99	0.05/0.22
MW-4	02/22/2007	11,000	2,200	18	620	310	NA	NA	NA	NA	NA	NA	28.51	5.63	22.88	2.96/2.98
MW-4	05/29/2007	14,000 i,j	3,200	27	640	249.0	NA	NA	NA	NA	NA	NA	28.51	6.60	21.91	0.19/0.11
MW-4	08/27/2007	12,000 i	1,900	19 k	250	80.9 k	NA	<25	<50	<50	<50	<250	28.51	8.50	20.01	0.85/1.71
MW-4	11/08/2007	6,400 i	1,400	11 k	70	37.9 k	NA	NA	NA	NA	NA	NA	28.51	8.21	20.30	1.09/2.63
MW-4	02/20/2008	12,000 i	2,700	<20	690	396	NA	NA	NA	NA	NA	NA	28.51	4.86	23.65	0.46/0.12
MW-4	05/01/2008	8,500	2,000	<20	260	62	NA	NA	NA	NA	NA	NA	28.51	7.00	21.51	0.2/0.2
MW-4	08/12/2008	8,400	1,800	22	<20	24	NA	<20	<40	<40	<40	<200	28.51	8.31	20.20	0.21/0.68
MW-4	11/26/2008	6,900	1,800	<20	120	<20	NA	NA	NA	NA	NA	NA	28.51	8.94	19.57	0.88/2.18
MW-4	02/03/2009	8,800	1,800	<20	160	96	NA	NA	NA	NA	NA	NA	28.51	7.64	20.87	0.15/0.26

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MW-4	06/02/2009	15,000	3,000	58	340	55	NA	NA	NA	NA	NA	NA	28.51	6.82	21.69	0.26/0.65
MW-4	11/10/2009	13,000	2,200	37	180	91	NA	<20	<40	<40	<40	<200	28.51	8.38	20.13	0.61/0.57
MW-4	05/10/2010	12,000	3,100	37	570	140	NA	NA	NA	NA	NA	NA	28.51	5.42	23.09	0.26/2.84
MW-5	04/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.54	7.36	16.18	NA
MW-5	05/03/2001	160,000	12,000	20,000	3,600	23,000	NA	<500	NA	NA	NA	NA	23.54	7.77	15.77	NA
MW-5	07/09/2001	130,000	11,000	19,000	4,500	22,000	NA	<500	NA	NA	NA	NA	23.54	9.32	14.22	NA
MW-5	10/18/2001	120,000	12,000	23,000	4,200	21,000	NA	<500	NA	NA	NA	NA	23.54	9.39	14.15	0.5
MW-5	01/24/2002	34,000	3,300	3,300	960	6,000	NA	<100	NA	NA	NA	NA	23.54	7.05	16.49	4.0
MW-5	04/04/2002	32,000	2,100	2,800	730	6,400	NA	<200	NA	NA	NA	NA	23.54	6.89	16.65	1.0
MW-5	07/18/2002	75,000	7,500	4,700	2,700	15,000	NA	<500	NA	NA	NA	NA	23.54	8.48	15.06	1.2
MW-5	10/21/2002	140,000	13,000	18,000	4,000	26,000	NA	<500	NA	NA	NA	NA	29.54	9.21	20.33	1.1
MW-5	01/21/2003	47,000	6,400	3,500	370	8,300	NA	<500	NA	NA	NA	NA	29.54	7.23	22.31	0.8
MW-5	04/17/2003	93,000	9,700	16,000	3,200	20,000	NA	<500	NA	NA	NA	NA	29.54	6.61	22.93	0.8
MW-5	07/22/2003	110,000	9,500	15,000	560	23,000	NA	<50	NA	NA	NA	NA	29.54	8.68	20.86	1.2
MW-5	10/20/2003	88,000	6,600	12,000	1,900	16,000	NA	<50	NA	NA	NA	NA	29.54	9.71	19.83	0.1
MW-5	01/13/2004	4,600	460	140	<10	930	NA	<10	NA	NA	NA	NA	29.54	7.30	22.24	NA
MW-5	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	9.51	20.03	0.3
MW-5	04/01/2004	70,000	7,900	11,000	2,100	17,000	NA	NA	NA	NA	NA	NA	29.54	6.80	22.74	0.1
MW-5	07/13/2004	66,000	5,900	10,000	1,900	16,000	NA	<50	<200	<200	<200	<500	29.54	9.28	20.26	0.1
MW-5	10/26/2004	6,600	670	110	7.4	2,000	NA	NA	NA	NA	NA	NA	29.54	8.75	20.79	0.8
MW-5	01/13/2005	9,500	1,300	950	360	1,900	NA	NA	NA	NA	NA	NA	29.54	5.87	23.67	6.3
MW-5	04/28/2005	17,000	2,400	1,200	320	3,400	NA	NA	NA	NA	NA	NA	29.54	6.32	23.22	3.54
MW-5	08/01/2005	70,000	6,600	11,000	3,400	17,000	NA	<50	<200	<200	<200	<500	29.54	8.27	21.27	NA d
MW-5	10/05/2005	93,000	8,600	15,000	4,500	23,000	NA	NA	NA	NA	NA	NA	29.54	9.12	20.42	1.43
MW-5	01/11/2006	12,000	1,900	550	2,400	3,800	NA	<25	<25	<25	<25	<250	29.61	5.52	24.09	0.6
MW-5	05/26/2006	112,000	6,600	11,100	3,870	19,900 g	NA	<0.500	5.37	<0.500	<0.500	<10.0	29.61	7.02	22.59	0.45

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MW-5	08/30/2006	281,000	8,050	15,400	4,770	26,800	NA	<0.500	<0.500	<0.500	60.6	<10.0	29.61	8.93	20.68	0.55/0.51
MW-5	11/08/2006	83,000	7,000	7,400	3,200	16,000	NA	NA	NA	NA	NA	NA	29.61	9.40	20.21	0.08/0.05
MW-5	02/22/2007	35,000	9,500	13,000	5,300	23,000	NA	NA	NA	NA	NA	NA	29.61	6.87	22.74	1.17/3.17
MW-5	05/29/2007	94,000 i	6,400	9,900	4,300	22,000	NA	NA	NA	NA	NA	NA	29.61	7.85	21.76	0.08/0.19
MW-5	08/27/2007	110,000 i	6,900	11,000	4,300	22,000	NA	<100	<200	<200	<200	<1000	29.61	9.13	20.48	0.08/0.22
MW-5	11/08/2007	61,000 i	7,500	5,300	4,700	20,400	NA	NA	NA	NA	NA	NA	29.61	9.27	20.34	2.15/0.65
MW-5	02/20/2008	92,000 i	14,000	14,000	5,900	30,800	NA	NA	NA	NA	NA	NA	29.61	6.02	23.59	0.17/0.18
MW-5	05/01/2008	130,000	8,200	12,000	4,600	24,900	NA	NA	NA	NA	NA	NA	29.61	8.20	21.41	0.2/0.1
MW-5	08/12/2008	150,000	7,600	12,000	8,900	24,800	NA	<100	<200	<200	<200	<1,000	29.61	9.42	20.19	0.14/0.51
MW-5	11/26/2008	110,000	7,900	12,000	4,500	27,500	NA	NA	NA	NA	NA	NA	29.61	9.86	19.75	1.26/0.95
MW-5	02/03/2009	130,000	8,500	10,000	4,400	24,000	NA	NA	NA	NA	NA	NA	29.61	8.67	20.94	0.30/0.23
MW-5	06/02/2009	150,000	7,000	10,000	4,600	25,000	NA	NA	NA	NA	NN	NA	29.61	8.02	21.59	0.28/0.28
MW-5	11/10/2009	150,000	6,900	10,000	4,600	26,000	NA	<100	<200	<200	<200	<1000	29.61	9.41	20.20	0.48/0.49
MW-5	05/10/2010	80,000	5,700	7,100	4,000	22,000	NA	NA	NA	NA	NA	NA	29.61	6.72	22.89	0.22/0.29
MW-6	01/09/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.60	4.18	24.42	NA
MW-6	01/11/2006	150,000	9,300	1,600	5,100	24,000	NA	<2.5 f	17 f	<2.5 f	<2.5 f	51 f	28.60	4.50	24.10	3.6
MW-6	05/26/2006	67,300	6,930	870	2,440	7,590 g	NA	<5.00	10.1	<5.00	<5.00	<100	28.60	6.10	22.50	0.49
MW-6	08/30/2006	7,060	6,090	1,180	2,040	7,200	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.60	8.05	20.55	0.39/0.56
MW-6	11/08/2006	8,200	1,900	200	350	890	NA	NA	NA	NA	NA	NA	28.60	8.53	20.07	0.12/0.95
MW-6	02/22/2007	49,000	7,300	2,300	3,600	9,500	NA	NA	NA	NA	NA	NA	28.60	5.94	22.66	1.54/2.03
MW-6	05/29/2007	30,000 i,j	4,100	1,000	1,600	4,900	NA	NA	NA	NA	NA	NA	28.60	6.87	21.73	0.11/0.51
MW-6	08/27/2007	36,000 i	2,000	440	1,000	3,400	NA	<25	15 k	<50	<50	<250	28.60	8.22	20.38	0.08/0.15
MW-6	11/08/2007	7,000 i	850	130	270	880	NA	NA	NA	NA	NA	NA	28.60	8.32	20.28	0.94/2.48
MW-6	02/20/2008	28,000 i	6,900	1,300	1,900	7,000	NA	NA	NA	NA	NA	NA	28.60	5.03	23.57	0.14/0.09
MW-6	05/01/2008	24,000	4,400	940	1,000	3,500	NA	NA	NA	NA	NA	NA	28.60	7.15	21.45	0.05/0.04
MW-6	08/12/2008	30,000	1,900	380	1,300	3,600	NA	<50	<100	<100	<100	<500	28.60	8.49	20.11	0.49/0.99

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MW-6	11/26/2008	15,000	2,400	320	590	2,120	NA	NA	NA	NA	NA	NA	28.60	8.93	19.67	0.79/2.30
MW-6	02/03/2009	25,000	3,000	330	790	3,000	NA	NA	NA	NA	NA	NA	28.60	7.69	20.91	0.24/0.09
MW-6	06/02/2009	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	28.60	NA	NA	NA
MW-6	11/10/2009	19,000	2,500	490	620	2,200	NA	<25	<50	<50	<50	<250	28.60	8.47	20.13	2.82/1.98
MW-6	05/10/2010	15,000	4,100	700	790	2,300	NA	NA	NA	NA	NA	NA	28.60	5.64	22.96	0.21/0.35
MW-7	01/09/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.71	5.50	24.21	NA
MW-7	01/11/2006	79,000	9,800	1,800	1,900	20,000	NA	<5.0 f	28 f	<5.0 f	<5.0 f	64 f	29.71	5.70	24.01	1.0
MW-7	05/26/2006	98,200	9,620	1,150	3,490	13,400 g	NA	<5.00	30.8	<5.00	<5.00	885	29.71	7.24	22.47	0.30
MW-7	08/30/2006	146,000	8,740	980	3,440	15,400	NA	<0.500	22.7	<0.500	<0.500	<10.0	29.71	9.03	20.68	0.51/0.46
MW-7	11/08/2006	61,000	6,600	880	2,800	12,000	NA	NA	NA	NA	NA	NA	29.71	9.49	20.22	0.02/0.13
MW-7	02/22/2007	50,000	3,400	910	2,200	13,000	NA	NA	NA	NA	NA	NA	29.71	7.00	22.71	0.96/2.57
MW-7	05/29/2007	26,000 i,j	2,700	320	850	3,590	NA	NA	NA	NA	NA	NA	29.71	8.01	21.70	0.09/0.15
MW-7	08/27/2007	37,000 i	3,300	240	1,300	4,060	NA	<25	20 k	<50	<50	<250	29.71	9.30	20.41	1.23/1.64
MW-7	11/08/2007	26,000 i	3,000	120	1,000	2,810	NA	NA	NA	NA	NA	NA	29.71	9.39	20.32	0.80/1.39
MW-7	02/20/2008	20,000 i	1,400	210	600	4,800	NA	NA	NA	NA	NA	NA	29.71	3.33	26.38	3.72/0.58
MW-7	05/01/2008	16,000	1,700	66	85	1,380	NA	NA	NA	NA	NA	NA	29.71	8.28	21.43	0.2/0.1
MW-7	08/12/2008	27,000	1,700	73	1,100	2,490	NA	<20	<40	<40	<40	<200	29.71	9.61	20.10	1.49/1.93
MW-7	11/26/2008	25,000	2,300	61	62	1,400	NA	NA	NA	NA	NA	NA	29.71	9.94	19.77	0.85/1.10
MW-7	02/03/2009	54,000	2,900	170	520	5,800	NA	NA	NA	NA	NA	NA	29.71	8.80	20.91	0.17/0.62
MW-7	06/02/2009	14,000	1,100	43	23	810	NA	NA	NA	NA	NA	NA	29.71	8.16	21.55	0.21/0.18
MW-7	11/10/2009	17,000	900	42	63	1,400	NA	<10	<20	<20	<20	<100	29.71	9.56	20.15	0.54/0.33
MW-7	05/10/2010	6,900	650	24	24	610	NA	NA	NA	NA	NA	NA	29.71	6.86	22.85	0.37/0.19
MW-8	01/09/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	5.56	23.98	NA
MW-8	01/11/2006	32,000	2,400	180	66	5,500	NA	<0.50 f	15 f	<0.50 f	<0.50 f	35 f	29.54	5.53	24.01	0.8
MW-8	05/26/2006	24,800	423	73.0	166	2,820 g	NA	<0.500	2.18	<0.500	<0.500	<10.0	29.54	7.02	22.52	0.35

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MW-8	08/30/2006	72,100	1,770	114	324	3,140	NA	<0.500	23.3	<0.500	<0.500	<10.0	29.54	8.81	20.73	0.51/0.50
MW-8	11/08/2006	24,000	2,000	90	190	3,400	NA	NA	NA	NA	NA	NA	29.54	9.25	20.29	0.11/0.40
MW-8	02/22/2007	26,000	2,100	110	180	4,400	NA	NA	NA	NA	NA	NA	29.54	7.08	22.46	1.37/1.71
MW-8	05/29/2007	31,000 i	2,600	99	250	3,140	NA	NA	NA	NA	NA	NA	29.54	7.81	21.73	0.05/0.49
MW-8	08/27/2007	41,000 i	3,400	110	260	3,880	NA	<20	32 k	<40	<40	<200	29.54	9.04	20.50	0.07/0.27
MW-8	11/08/2007	42,000 i	4,900	140	440	4,000	NA	NA	NA	NA	NA	NA	29.54	9.14	20.40	3.20/0.10
MW-8	02/20/2008	19,000 i	760	38	52	1,930	NA	NA	NA	NA	NA	NA	29.54	9.00	20.54	1.72/0.13
MW-8	05/01/2008	18,000	1,000	35	42	1,520	NA	NA	NA	NA	NA	NA	29.54	8.10	21.44	1.10/0.19
MW-8	08/12/2008	33,000	1,600	69	1,100	2,730	NA	<10	<20	<20	<20	<100	29.54	9.41	20.13	0.15/0.29
MW-8	11/26/2008	27,000	2,600	77	100	2,930	NA	NA	NA	NA	NA	NA	29.54	9.68	19.86	2.60/0.66
MW-8	02/03/2009	32,000	2,400	70	81	2,700	NA	NA	NA	NA	NA	NA	29.54	8.57	20.97	0.10/0.23
MW-8	06/02/2009	22,000	1,100	39	56	1,600	NA	NA	NA	NA	NA	NA	29.54	8.00	21.54	0.22/0.38
MW-8	11/10/2009	22,000	1,600	46	52	1,600	NA	<25	<50	<50	<50	<250	29.54	9.32	20.22	0.45/0.29
MW-8	05/10/2010	9,800	340	15	21	700	NA	NA	NA	NA	NA	NA	29.54	6.74	22.80	0.28/0.54

MW-12	05/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.16	8.42	22.74	NA
MW-12	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	31.16	8.44	22.72	3.88
MW-12	08/30/2006	746	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	NA	NA	NA	31.16	9.54	21.62	1.75/1.81
MW-12	11/08/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	31.16	8.67	22.49	2.26/3.60
MW-12	02/22/2007	<50	<0.50	<1.0	<0.50	<1.0	NA	NA	NA	NA	NA	NA	31.16	7.72	23.44	1.60/2.91
MW-12	05/29/2007	<50 i	0.49 k	<1.0	0.14 k	0.48 k	NA	NA	NA	NA	NA	NA	31.16	9.00	22.16	0.60/0.61
MW-12	08/27/2007	<50 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.90	21.26	0.47/0.24
MW-12	11/08/2007	<50 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.90	21.26	3.8/3.1
MW-12	02/20/2008	<50 i	5.4	1.7	3.4	12.4	NA	NA	NA	NA	NA	NA	31.16	7.40	23.76	3.43/1.91
MW-12	05/01/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.20	21.96	0.09/0.13
MW-12	08/12/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	10.40	20.76	3.6/3.2
MW-12	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	10.59	20.57	1.80/1.32

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MW-12	02/03/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.39	21.77	1.72/1.75	
MW-12	06/02/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.20	21.96	0.77/1.41	
MW-12	11/10/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	10.12	21.04	2.70/1.52	
MW-12	05/10/2010	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	8.41	22.75	2.65/1.42	
MW-14	05/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.09	6.95	21.14	NA	
MW-14	05/26/2006	103,000	5,280	76.7	3,930	4,800 g	NA	<5.00	49.7	<5.00	<5.00	895	28.09	7.05	21.04	3.60	
MW-14	08/30/2006	10,200	1,260	12.5	1,310	1,330	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.09	9.19	18.90	3.33/3.49	
MW-14	11/08/2006	29,000	4,400 h	34	2,000	1,600	NA	NA	NA	NA	NA	NA	28.09	9.80	18.29	1.16/1.40	
MW-14	02/22/2007	31,000	2,600	42	2,200	1,600	NA	NA	NA	NA	NA	NA	28.09	6.70	21.39	0.59/1.11	
MW-14	05/29/2007	35,000 i	1,100	14	1,800	767	NA	NA	NA	NA	NA	NA	28.09	7.89	20.20	0.08/0.08	
MW-14	08/27/2007	Unable to access well				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	08/29/2007	45,000 i	1,000	11	870	367.8 k	NA	<10	20	<20	<20	<100	28.09	9.25	18.84	0.09/0.16	
MW-14	11/08/2007	32,000 i	1,600	22	1,500	889	NA	NA	NA	NA	NA	NA	28.09	9.21	18.88	0.04/0.35	
MW-14	02/20/2008	23,000 i	1,800	32	1,600	1,021	NA	NA	NA	NA	NA	NA	28.09	6.34	21.75	0.09/0.08	
MW-14	05/01/2008	16,000	830	15	870	452	NA	NA	NA	NA	NA	NA	28.09	7.95	20.14	0.12/0.09	
MW-14	08/12/2008	34,000	1,400	26	550	1,151	NA	<10	<20	<20	<20	<100	28.09	14.10	13.99	0.03/0.38	
MW-14	11/26/2008	Well inaccessible				NA	NA	NA	NA	NA	NA	NA	NA	28.09	NA	NA	NA
MW-14	02/03/2009	39,000	1,800	27	1,700	1,400	NA	NA	NA	NA	NA	NA	28.09	8.66	19.43	0.16/0.19	
MW-14	06/02/2009	34,000	1,100	<25	1,200	710	NA	NA	NA	NA	NA	NA	28.09	8.21	19.88	0.16/0.26	
MW-14	11/10/2009	39,000	2,300	35	2,100	1,200	NA	<25	<50	<50	<50	<250	28.09	9.69	18.40	0.45/1.56	
MW-14	05/10/2010	5,900	150	2.1	170	54	NA	NA	NA	NA	NA	NA	28.09	6.64	21.45	0.49/1.38	
B-10 *	07/17/1996	20,000	400	<100	<100	870	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA	
B-13*	07/17/1996	290,000	34,000	21,000	9,900	47,000	<2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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V-1	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	08/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	8.58	14.68	NA
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	NA
V-1	01/16/1997	9,500	1,200	250	280	880	<50	NA	NA	NA	NA	NA	23.26	5.55	17.71	NA
V-1	04/07/1997	2,200	42	<5.0	130	15	<25	NA	NA	NA	NA	NA	23.26	7.40	15.86	NA
V-1	07/02/1997	2,600	340	5.8	49	12	74	<4.0	NA	NA	NA	NA	23.26	8.94	14.32	NA
V-1	10/24/1997	57,000	5,200	2,300	3,600	16,000	1,900	<200	NA	NA	NA	NA	23.26	9.43	13.83	NA
V-1	01/09/1998	23,000	2,400	1,700	1,300	2,300	310	NA	NA	NA	NA	NA	23.26	6.81	16.45	NA
V-1 (D)	01/09/1998	24,000	2,500	1,800	1,400	2,400	450	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	4.58	18.68	NA
V-1 (D)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	07/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	NA	NA	NA	NA	NA	23.26	7.51	15.75	NA
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	NA	NA	NA	NA	NA	23.26	8.49	14.77	NA
V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	NA	NA	NA	NA	23.26	8.59	14.67	NA
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	8.69	14.57	NA
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	13.9	NA	NA	NA	NA	NA	23.26	8.99	14.27	NA
V-1	10/06/1999	714	53.7	0.740	8.69	<0.500	9.83	NA	NA	NA	NA	NA	23.26	9.55	13.71	NA
V-1	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.19	16.07	NA
V-1	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.67	15.59	NA
V-1	07/19/2000	255	21.7	<0.500	10.2	<0.500	7.33	<1.00 a	NA	NA	NA	NA	23.26	7.53	15.73	NA
V-1	10/24/2000	200	4.05	0.566	<0.500	<0.500	7.82	NA	NA	NA	NA	NA	23.26	7.38	15.88	NA
V-1	01/04/2001	128	1.77	<0.500	<0.500	<0.500	6.40	<10.0 b	NA	NA	NA	NA	23.26	8.41	14.85	NA
V-1	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	7.20	16.06	NA
V-1	07/09/2001	110	4.4	<0.50	0.88	1.7	NA	<5.0	NA	NA	NA	NA	23.26	9.22	14.04	NA
V-1	10/18/2001	1,500	180	12	43	46	NA	<5.0	NA	NA	NA	NA	23.26	10.08	13.18	0.8
V-1	01/24/2002	210	7.1	15	4.6	32	NA	<5.0	NA	NA	NA	NA	23.26	6.44	16.82	3.5
V-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	6.18	17.08	1.0

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V-1	07/18/2002	100	1.6	1.2	1.2	6.1	NA	<5.0	NA	NA	NA	NA	23.26	8.08	15.18	1.7
V-1	10/21/2002	210	1.4	<0.50	1.0	1.3	NA	<5.0	NA	NA	NA	NA	29.26	8.94	20.32	1.2
V-1	01/21/2003	61	5.2	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.26	6.62	22.64	0.6
V-1	04/17/2003	<50	<0.50	<0.50	<0.50	1.2	NA	<5.0	NA	NA	NA	NA	29.26	6.00	23.26	1.3
V-1	07/22/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	NA	NA	NA
V-1	10/20/2003	540	11	1.6	6.0	8.9	NA	<0.50	NA	NA	NA	NA	29.26	9.53	19.73	0.1
V-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.26	6.62	22.64	NA
V-1	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	9.08	20.18	0.1
V-1	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	6.24	23.02	0.1
V-1	07/13/2004	120	1.8	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	8.78	20.48	0.1
V-1	10/26/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.09	21.17	0.6
V-1	01/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	4.30	24.96	0.1
V-1	04/28/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	5.27	23.99	3.34
V-1	08/01/2005	54	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	7.77	21.49	NA d
V-1	10/05/2005	120 e	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.72	20.54	1.67
V-1	01/11/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	29.24	4.78	24.46	0.3
V-1	05/26/2006	<50.0	<0.500	<0.500	<0.500	1.02 g	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.24	6.61	22.63	1.94
V-1	08/30/2006	5,660	6.81	1.39	27.3	21.0	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.24	8.46	20.78	0.33/0.33
V-1	11/08/2006	1,300	3.7	1.5	5.1	6.9	NA	NA	NA	NA	NA	NA	29.24	8.95	20.29	0.05/0.11
V-1	02/22/2007	<50	<0.50	<1.0	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.24	6.17	23.07	0.76/0.99
V-1	05/29/2007	650 i	0.64	<1.0	1.2	0.95 k	NA	NA	NA	NA	NA	NA	29.24	7.21	22.03	0.69/0.74
V-1	08/27/2007	510 l, j	0.24	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	29.24	8.78	20.46	0.12/0.57
V-1 **	11/08/2007	2,000 i	19	2.9	23	18.5	NA	NA	NA	NA	NA	NA	29.24	8.41	20.83	0.61/1.54
V-1	02/20/2008	54 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	29.24	5.11	24.13	0.13/0.22
V-1	05/01/2008	280	0.57	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	29.24	7.60	21.64	0.08/0.08
V-1	08/12/2008	390	0.80	<1.0	<1.0	1.1	NA	<1.0	<2.0	<2.0	<2.0	<10	29.24	9.00	20.24	0.81/1.51
V-1	11/26/2008	3,300	46	8.3	62	44.2	NA	NA	NA	NA	NA	NA	29.24	9.50	19.74	0.76/1.28

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V-1	02/03/2009	450	0.98	<1.0	1.7	<1.0	NA	NA	NA	NA	NA	NA	29.24	8.18	21.06	0.13/0.39
V-1	06/02/2009	230	<0.50	<1.0	1.3	<1.0	NA	NA	NA	NA	NA	NA	29.24	7.45	21.79	0.25/0.31
V-1	11/10/2009	900	3.1	<1.0	6.5	2.0	NA	<1.0	<2.0	<2.0	<2.0	<10	29.24	8.91	20.33	0.84/0.56
V-1	05/10/2010	81	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	29.24	5.94	23.30	0.17/0.43
V-2	08/02/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	08/05/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	7.94	14.86	NA
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	NA
V-2	01/08/1997	69,000	4,800	2,800	2,700	13,000	750	NA	NA	NA	NA	NA	22.80	5.82	16.98	NA
V-2	04/07/1997	90,000	4,400	1,900	3,300	14,000	<500	NA	NA	NA	NA	NA	22.80	7.10	15.70	NA
V-2 (D)	04/07/1997	77,000	4,400	2,000	3,200	14,000	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	07/02/1997	82,000	5,500	2,700	3,500	16,000	530	<100	NA	NA	NA	NA	22.80	8.35	14.45	NA
V-2 (D)	07/02/1997	85,000	5,600	2,800	3,600	17,000	520	<100	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	10/24/1997	7,300	1,100	97	230	180	91	<12	NA	NA	NA	NA	22.80	10.03	12.77	NA
V-2 (D)	10/24/1997	12,000	1,700	340	650	630	120	<20	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	01/09/1998	40,000	4,100	1,500	2,500	9,000	280	NA	NA	NA	NA	NA	22.80	6.94	15.86	NA
V-2	04/02/1998	62,000	6,800	2,400	3,400	14,000	<250	NA	NA	NA	NA	NA	22.80	5.35	17.45	NA
V-2	07/14/1998	43,000	4,700	1,100	2,500	6,600	<250	NA	NA	NA	NA	NA	22.80	6.48	16.32	NA
V-2 (D)	07/14/1998	48,000	5,100	1,300	2,600	8,100	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	10/01/1998	53,000	5,200	1,800	3,200	10,000	83	NA	NA	NA	NA	NA	22.80	8.41	14.39	NA
V-2 (D)	10/01/1998	55,000	5,300	1,900	3,300	11,000	65	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	01/18/1999	47,100	5,800	1,960	3,450	10,200	<100	NA	NA	NA	NA	NA	22.80	8.29	14.51	NA
V-2	04/29/1999	65,000	6,100	2,800	3,200	12,000	540	NA	NA	NA	NA	NA	22.80	8.19	14.61	NA
V-2	08/23/1999	59,600	6,240	2,190	3,900	14,700	390	NA	NA	NA	NA	NA	22.80	8.44	14.36	NA
V-2	10/06/1999	63,800	4,820	1,860	2,840	11,100	<1000	NA	NA	NA	NA	NA	22.80	8.96	13.84	NA
V-2	01/27/2000	59,600	10,200	2,840	3,450	12,100	<500	NA	NA	NA	NA	NA	22.80	7.57	15.23	NA
V-2	04/18/2000	45,000	6,050	2,700	3,340	12,200	<250	NA	NA	NA	NA	NA	22.80	8.14	14.66	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
V-2	07/19/2000	31,800	4,440	1,270	2,390	6,820	<500	NA	NA	NA	NA	NA	22.80	8.21	14.59	NA
V-2	10/24/2000	40,100	4,810	1,730	2,960	8,650	734	<10.0	NA	NA	NA	NA	22.80	8.53	14.27	NA
V-2	01/04/2001	37,500	4,510	1,390	2,710	6,880	375	NA	NA	NA	NA	NA	22.80	8.03	14.77	NA
V-2	05/03/2001	51,000	4,000	1,900	2,800	8,200	NA	<200	NA	NA	NA	NA	22.80	6.63	16.17	NA
V-2	07/09/2001	9,600	710	190	180	1,400	NA	<25	NA	NA	NA	NA	22.80	8.75	14.05	NA
V-2	10/18/2001	20,000	2,000	540	560	6,000	NA	<50	NA	NA	NA	NA	22.80	9.60	13.20	0.4
V-2	01/24/2002	36,000	2,900	870	1,700	5,900	NA	<100	NA	NA	NA	NA	22.80	5.93	16.87	4.0
V-2	04/04/2002	49,000	3,900	1,500	2,900	9,300	NA	<200	NA	NA	NA	NA	22.80	5.78	17.02	0.9
V-2	07/18/2002	50,000	3,600	1,300	2,800	9,300	NA	<200	NA	NA	NA	NA	22.80	7.58	15.22	1.3
V-2	10/21/2002	86,000	6,000	1,900	4,200	20,000	NA	<250	NA	NA	NA	NA	28.80	8.40	20.40	1.3
V-2	01/21/2003	13,000	630	200	300	2,400	NA	<25	NA	NA	NA	NA	28.80	6.52	22.28	1.2
V-2	04/17/2003	26,000	2,000	570	750	6,000	NA	<100	NA	NA	NA	NA	28.80	5.93	22.87	1.1
V-2	07/22/2003	6,800	130	34	150	440	NA	<2.5	NA	NA	NA	NA	28.80	7.96	20.84	1.4
V-2	10/20/2003	14,000	660	160	260	2,400	NA	<10	NA	NA	NA	NA	28.80	9.21	19.59	0.7
V-2	01/13/2004	20,000	1,400	410	700	4,200	NA	<13	NA	NA	NA	NA	28.80	6.90	21.90	NA
V-2	01/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.80	8.50	20.30	0.1
V-2	04/01/2004	28,000	2,000	520	650	8,700	NA	NA	NA	NA	NA	NA	28.80	6.84	21.96	0.2
V-2	07/13/2004	21,000	1,900	460	1,000	4,300	NA	NA	NA	NA	NA	NA	28.80	8.28	20.52	0.1
V-2	10/26/2004	43,000	2,700	880	2,300	12,000	NA	NA	NA	NA	NA	NA	28.80	8.43	20.37	0.8
V-2	01/13/2005	23,000	1,400	330	1,800	5,800	NA	NA	NA	NA	NA	NA	28.80	6.67	22.13	0.6
V-2	04/28/2005	16,000	970	230	620	3,800	NA	NA	NA	NA	NA	NA	28.80	5.69	23.11	4.55
V-2	08/01/2005	14,000	610	190	450	3,600	NA	NA	NA	NA	NA	NA	28.80	5.25	23.55	NA d
V-2	10/05/2005	37,000	2,200	680	2,300	8,500	NA	NA	NA	NA	NA	NA	28.80	8.24	20.56	0.75
V-2	01/11/2006 f	45,000	1,900	720	3,000	13,000	NA	<25	<25	<25	<25	<250	28.81	6.60	22.21	0.4
V-2	05/26/2006	66,600	1,300	400	2,950	9,700 g	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.81	6.28	22.53	0.28
V-2	08/30/2006	7,290	2,390	750	4,680	17,000	NA	NA	NA	NA	NA	NA	28.81	8.03	20.78	0.37/0.31
V-2	11/08/2006	68,000	1,700	580	3,900	13,000	NA	NA	NA	NA	NA	NA	28.81	8.60	20.21	0.05/0.14

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V-2	02/22/2007	57,000	1,300	600	4,000	15,000	NA	NA	NA	NA	NA	NA	28.81	5.88	22.93	1.23/2.50
V-2	05/29/2007	48,000 i,j	2,000	650	3,300	10,000	NA	NA	NA	NA	NA	NA	28.81	6.82	21.99	0.07/0.12
V-2	08/27/2007	55,000 i	1,600	520	2,900	8,000	NA	NA	NA	NA	NA	NA	28.81	8.22	20.59	0.22/0.48
V-2 **	11/08/2007	74,000 i	1,300	500	3,000	9,600	NA	NA	NA	NA	NA	NA	28.81	8.82	19.99	0.87/1.46
V-2	02/20/2008	52,000 i	1,200	560	3,200	12,400	NA	NA	NA	NA	NA	NA	28.81	5.13	23.68	0.16/0.05
V-2	05/01/2008	53,000	960	350	3,000	9,600	NA	NA	NA	NA	NA	NA	28.81	7.25	21.56	0.06/0.05
V-2	08/12/2008	55,000	950	230	2,700	6,030	NA	NA	NA	NA	NA	NA	28.81	8.50	20.31	0.53/1.47
V-2	11/26/2008	71,000	1,400	430	3,900	10,400	NA	NA	NA	NA	NA	NA	28.81	9.08	19.73	0.66/1.62
V-2	02/03/2009	81,000	1,100	340	3,700	11,000	NA	NA	NA	NA	NA	NA	28.81	7.78	21.03	0.48/0.15
V-2	06/02/2009	78,000	920	350	3,500	9,200	NA	NA	NA	NA	NA	NA	28.81	6.90	21.91	0.19/0.26
V-2	11/10/2009	66,000	890	310	3,400	7,900	NA	NA	NA	NA	NA	NA	28.81	8.62	20.19	0.44/0.98
V-2	05/10/2010	28,000	490	160	2,200	4,800	NA	NA	NA	NA	NA	NA	28.81	5.63	23.18	0.18/0.28

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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen reading

n/n = Pre-purge/Post-purge DO reading

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

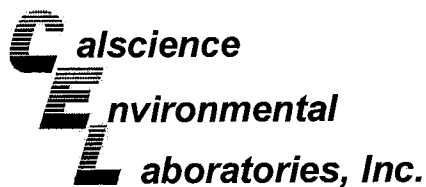
NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

- a = This sample analyzed outside of EPA recommended holding time.
 - b = Due to error of Sequoia Analytical laboratories, well V-1 confirmed for MTBE by EPA Method 8260 instead of V-2.
 - c = Hydrocarbon does not match pattern of laboratory's standard.
 - d = Dissolved oxygen reading not taken due to meter malfunction.
 - e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
 - f = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for dilution was performed past the recommended hold time.
 - g = Analyte was detected in the associated Method Blank.
 - h = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
 - i = Analyzed by EPA Method 8015B (M).
 - j = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
 - k = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
 - * = Water sample from Boring.
 - ** = Samples were swithched in the field for wells V-1 and V-2 due to field error for November 8, 2007 sampling event. Data corrected for this table.
- Site surveyed June 14, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.
 Site surveyed August 13, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
 Wells MW-1 through MW-8, V-1, and V-2 surveyed on February 14, 2006 by Virgil Chavez Land Surveying of Vallejo, CA..
 Wells MW-12 and MW-14 surveyed on April 19, 2006 by Virgil Chavez Land Surveying of Vallejo, CA..



May 25, 2010

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.:** 10-05-1000
Client Reference: 2703 Martin Luther King Jr. Way, Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/13/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Philip Samelle for".

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 05/13/10
 Work Order No: 10-05-1000
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	10-05-1000-1-B	05/10/10 13:05	Aqueous	GC/MS R	05/19/10	05/20/10 06:27	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3100	10	20		Xylenes (total)	140	20	20	
Ethylbenzene	570	20	20		TPPH	12000	1000	20	
Toluene	37	20	20						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	103	80-132			1,2-Dichloroethane-d4	106	80-141		
Toluene-d8-TPPH	96	88-112			Toluene-d8	95	80-120		
1,4-Bromofluorobenzene	94	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	10-05-1000-2-B	05/10/10 12:50	Aqueous	GC/MS R	05/19/10	05/20/10 06:56	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5700	50	100		Xylenes (total)	22000	100	100	
Ethylbenzene	4000	100	100		TPPH	80000	5000	100	
Toluene	7100	100	100						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	103	80-141		
Toluene-d8-TPPH	97	88-112			Toluene-d8	97	80-120		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	10-05-1000-3-B	05/10/10 14:10	Aqueous	GC/MS R	05/19/10	05/20/10 07:25	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	4100	12	25		Xylenes (total)	2300	25	25	
Ethylbenzene	790	25	25		TPPH	15000	1200	25	
Toluene	700	25	25						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	105	80-132			1,2-Dichloroethane-d4	108	80-141		
Toluene-d8-TPPH	96	88-112			Toluene-d8	96	80-120		
1,4-Bromofluorobenzene	93	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 05/13/10
 Work Order No: 10-05-1000
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	10-05-1000-4-B	05/10/10 13:15	Aqueous	GC/MS R	05/19/10	05/20/10 07:53	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	650	2.5	5		Xylenes (total)	610	5.0	5	
Ethylbenzene	24	5.0	5		TPPH	6900	250	5	
Toluene	24	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	102	80-141		
Toluene-d8	94	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	10-05-1000-5-B	05/10/10 13:20	Aqueous	GC/MS R	05/19/10	05/20/10 08:22	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	340	1.0	2		Xylenes (total)	700	2.0	2	
Ethylbenzene	21	2.0	2		TPPH	9800	250	5	
Toluene	15	2.0	2						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	95	80-132			1,2-Dichloroethane-d4	96	80-141		
Toluene-d8-TPPH	99	88-112			Toluene-d8	98	80-120		
1,4-Bromofluorobenzene	96	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-12	10-05-1000-6-B	05/10/10 12:40	Aqueous	GC/MS R	05/19/10	05/20/10 05:00	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	108	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	91	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 05/13/10
 Work Order No: 10-05-1000
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14	10-05-1000-7-B	05/10/10 11:05	Aqueous	GC/MS R	05/19/10	05/20/10 09:19	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	150	0.50	1		Xylenes (total)	54	1.0	1	
Ethylbenzene	170	1.0	1		TPPH	5900	250	5	
Toluene	2.1	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	95	80-132			1,2-Dichloroethane-d4	97	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	98	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-1	10-05-1000-8-A	05/10/10 12:10	Aqueous	GC/MS R	05/19/10	05/20/10 09:47	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	81	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8-TPPH	95	88-112			Toluene-d8	94	80-120		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-2	10-05-1000-9-A	05/10/10 12:20	Aqueous	GC/MS R	05/19/10	05/20/10 10:15	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	490	12	25		Xylenes (total)	4800	25	25	
Ethylbenzene	2200	25	25		TPPH	28000	1200	25	
Toluene	160	25	25						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	96	80-132			1,2-Dichloroethane-d4	102	80-141		
Toluene-d8-TPPH	96	88-112			Toluene-d8	95	80-120		
1,4-Bromofluorobenzene	95	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 05/13/10
 Work Order No: 10-05-1000
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

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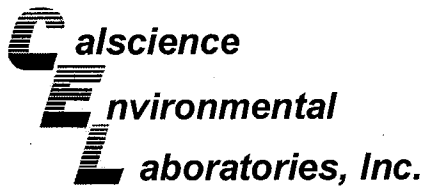
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-3,976	N/A	Aqueous	GC/MS R	05/19/10	05/20/10 02:36	100519L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	100	80-132			1,2-Dichloroethane-d4	105	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	92	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-3,980	N/A	Aqueous	GC/MS R	05/20/10	05/20/10 15:18	100520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	96	80-132			1,2-Dichloroethane-d4	104	80-141		
Toluene-d8	95	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	92	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

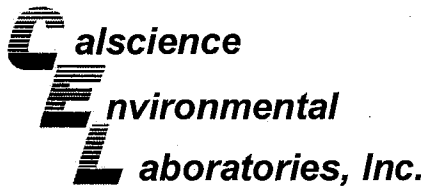
Date Received: 05/13/10
Work Order No: 10-05-1000
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-12	Aqueous	GC/MS R	05/19/10	05/20/10	100519S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	83	72-120	11	0-20	
Carbon Tetrachloride	93	86	63-135	8	0-20	
Chlorobenzene	101	91	80-120	10	0-20	
1,2-Dibromoethane	104	93	80-120	10	0-20	
1,2-Dichlorobenzene	99	91	80-120	9	0-20	
1,1-Dichloroethene	86	84	60-132	2	0-24	
Ethylbenzene	100	91	78-120	9	0-20	
Toluene	92	84	74-122	9	0-20	
Trichloroethene	96	87	69-120	10	0-20	
Vinyl Chloride	95	85	58-130	10	0-20	
Methyl-t-Butyl Ether (MTBE)	85	79	72-126	7	0-21	
Tert-Butyl Alcohol (TBA)	103	85	72-126	19	0-20	
Diisopropyl Ether (DIPE)	81	73	71-137	10	0-23	
Ethyl-t-Butyl Ether (ETBE)	83	76	74-128	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	90	81	76-124	10	0-20	
Ethanol	114	74	35-167	42	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

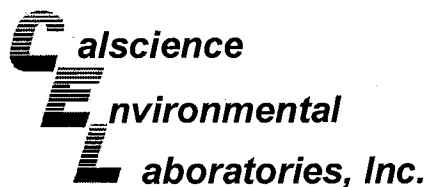
Date Received: 05/13/10
Work Order No: 10-05-1000
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-05-1126-11	Aqueous	GC/MS R	05/20/10	05/20/10	100520S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	89	72-120	2	0-20	
Carbon Tetrachloride	86	91	63-135	6	0-20	
Chlorobenzene	97	99	80-120	2	0-20	
1,2-Dibromoethane	101	103	80-120	2	0-20	
1,2-Dichlorobenzene	99	102	80-120	3	0-20	
1,1-Dichloroethene	85	85	60-132	0	0-24	
Ethylbenzene	97	99	78-120	2	0-20	
Toluene	88	89	74-122	0	0-20	
Trichloroethene	93	94	69-120	2	0-20	
Vinyl Chloride	96	118	58-130	20	0-20	
Methyl-t-Butyl Ether (MTBE)	85	85	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	102	101	72-126	1	0-20	
Diisopropyl Ether (DIPE)	77	78	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	80	83	74-128	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	88	89	76-124	1	0-20	
Ethanol	91	108	35-167	17	0-48	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-05-1000
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3.976	Aqueous	GC/MS R	05/19/10	05/20/10	100519L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	82	99	80-122	73-129	18	0-20	
Carbon Tetrachloride	84	103	68-140	56-152	20	0-20	
Chlorobenzene	91	110	80-120	73-127	19	0-20	
1,2-Dibromoethane	96	118	80-121	73-128	20	0-20	
1,2-Dichlorobenzene	91	110	80-120	73-127	19	0-20	
1,1-Dichloroethene	81	95	72-132	62-142	16	0-25	
Ethylbenzene	91	109	80-126	72-134	18	0-20	
Toluene	82	98	80-121	73-128	18	0-20	
Trichloroethene	86	104	80-123	73-130	19	0-20	
Vinyl Chloride	82	98	67-133	56-144	18	0-20	
Methyl-t-Butyl Ether (MTBE)	80	96	75-123	67-131	18	0-20	
Tert-Butyl Alcohol (TBA)	91	111	75-123	67-131	19	0-20	
Diisopropyl Ether (DIPE)	74	88	71-131	61-141	17	0-20	
Ethyl-t-Butyl Ether (ETBE)	78	92	76-124	68-132	17	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	100	80-123	73-130	19	0-20	
Ethanol	83	97	61-139	48-152	15	0-27	
TPPH	86	87	65-135	53-147	2	0-30	

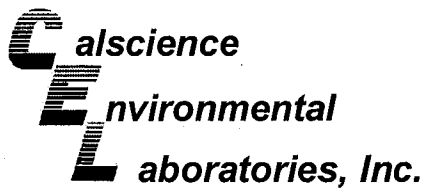
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 10-05-1000
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3.980	Aqueous	GC/MS R	05/20/10	05/20/10	100520L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	81	95	80-122	73-129	15	0-20	
Carbon Tetrachloride	80	92	68-140	56-152	14	0-20	
Chlorobenzene	90	104	80-120	73-127	14	0-20	
1,2-Dibromoethane	92	106	80-121	73-128	15	0-20	
1,2-Dichlorobenzene	91	104	80-120	73-127	14	0-20	
1,1-Dichloroethene	79	95	72-132	62-142	18	0-25	
Ethylbenzene	90	103	80-126	72-134	14	0-20	
Toluene	82	94	80-121	73-128	14	0-20	
Trichloroethene	86	99	80-123	73-130	14	0-20	
Vinyl Chloride	100	103	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	76	88	75-123	67-131	14	0-20	
Tert-Butyl Alcohol (TBA)	86	104	75-123	67-131	20	0-20	
Diisopropyl Ether (DIPE)	72	80	71-131	61-141	11	0-20	
Ethyl-t-Butyl Ether (ETBE)	75	85	76-124	68-132	12	0-20	ME
Tert-Amyl-Methyl Ether (TAME)	80	94	80-123	73-130	16	0-20	
Ethanol	85	89	61-139	48-152	5	0-27	
TPPH	78	80	65-135	53-147	2	0-30	

Total number of LCS compounds : 17

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-05-1000

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

LAB (LOCATION)



Shell Oil Products Chain Of Custody Record

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name:
Peter Schaefer 240781

PO #

INCIDENT # (ENV SERVICES)
9 7 0 9 3 3 9 7

SAP #

CHECK IF NO INCIDENT # APPLIES

DATE: 5/10/10

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

PROJECT CONTACT (Handcopy or PDF Report to): Michael Ninokata - Copy to Shell.Lab Billing@Craworld.com

TELEPHONE: (408)573-0555 FAX: (408)573-7771 E-MAIL: mninokata@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT UST AGENCY:

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland

State: CA GLOBAL ID NO: T0600101876

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kremi, CRA, Emeryville Office

PHONE NO: 510-420-3335 E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO: 100510-IWI

SAMPLER NAME(S) (Print): IAN WILLIAMS

LAB USE ONLY: 05-1000

REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES :

Run TPH-d w/Silica Gel Clean Up

SHELL CONTRACT RATE APPLIES
 STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEI: °C	Container PID Readings or Laboratory Notes
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER																
1	MW-4	5/10/10	1305	W	X					3	X	X													
2	MW-5		1250		X					3	X	X													
3	MW-6		1410		X					3	X	X													
4	MW-7		1315		X					3	X	X													
5	MW-8		1320		X					3	X	X													
6	MW-12		1240		X					3	X	X													
7	MW-14		1105		X					3	X	X													
8	V-1		1210		X					3	X	X													
9	V-2		1220		X					3	X	X													

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i> (SAMPLE CUSTODIAN)	5/10/10	1555
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	Tom Smalley CEZ	5/12/10	1225
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i> 5-12-10 1730	<i>[Signature]</i>	5/13/10	1200

GSO

< WebShip > >>>>

800-322-5555 www.gso.com

1000

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
\$0.00

Reference:
ETIC, BTS, ARCADIS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514140355



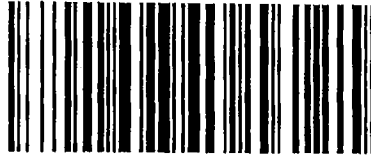
NPS

ORC

D

GARDEN GROVE

D92843A



81564364

Print Date : 05/12/10 15:58 PM

Package 1 of 1

Send Label To Printer

Print All

Edit Shipment

Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

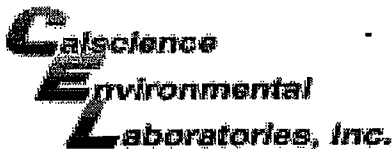
Send Label Via Email

Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.

Our liability for loss or damage to any package is limited to your actual damages or \$100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is \$500. For other shipments the highest declared value is \$10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is \$500. Items of "extraordinary value" include, but not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.



WORK ORDER #: 10-05-1000

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 05/13/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.1 °C + 0.5°C (CF) = 2.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: JP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JP

Sample _____ No (Not Intact) Not Present Initial: SC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA³h VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** SC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** [Signature]

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** [Signature]

WELL GAUGING DATA

Project # 100510-IWI Date 5/10/10 Client SHELL

Site 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes	
MW-1	1005	2					7.22	19.98	↓		
MW-2	1010	2					7.09	19.10			
MW-3	1018	4					6.71	19.95			
MW-4	1017	4					5.42	19.88			
MW-5	1026	4					6.72	19.87			
MW-6	1029	4		NO SPH DETECTED			5.64	19.52			
MW-7	1020	4					6.86	19.60			
MW-8	1023	4					6.74	19.53			
MW-12	1040	2					8.41	19.41			
MW-14	1050	3/4					6.64	14.02			
V-1	1033	2					5.94	12.75			
V-2	1042	2					5.63	13.20			

SHEET WELL LOG SHEET

OAKLAND,
CA

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY,
Sampler: (IW) RM	Date: 5/10/10
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.98	Depth to Water (DTW): 5.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.32	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$9.4 \text{ (Gals.)} \times 3 = 28.2 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1100	64.2	6.11	1557	20	9.4	ODOR
1101	WELL DEWATERED @			17.0 gal	17.0	ODOR DTW = 18.22
1305	61.6	6.80	1322	35	—	

Did well dewater? Yes No Gallons actually evacuated: 17.0

Sampling Date: 5/10/10 Sampling Time: 1305 Depth to Water: 8.79 (2HR RECH)

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): (Pre-purge): 0.26 mg/L	(Post-purge): 2.84 mg/L
O.R.P. (if req'd): Pre-purge: mV	Post-purge: mV

SHEET WELL LOG SHEET

OAKLAND,
CA

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY,
Sampler: IW, RM	Date: 5/10/10
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.87	Depth to Water (DTW): 6.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.35	

Purge Method: Bailer Disposable Bailer Positive Air Displacement X Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: X Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$8.6 \text{ (Gals.)} \times 3 = 25.8 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1145	62.2	7.23	1584	39	8.6	STRONG ODOR
1147	62.7	6.79	1586	67	17.2	"
11.48	WELL	DEWATERED @		20.5 gal	20.5	" DTW = 13.18
1250	61.8	6.90	1579	65	—	

Did well dewater? **(Yes)** No Gallons actually evacuated: **20.5**

Sampling Date: **5/10/10** Sampling Time: **1250** Depth to Water: **7.04**

Sample I.D.: **MW-5** Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): (Pre-purge): 0.22 mg/L	D.O. (if req'd): (Post-purge): 0.29 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	O.R.P. (if req'd): Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: IW, RM	Date: 5/10/10
Well I.D.: MW-0	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 19.52	Depth to Water (DTW): 5.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.42	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer 3" Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

$9.1 \text{ (Gals.)} \times 3 = 27.3 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1236	62.1	7.11	1129	>1000	9.1	STRONG ODOR
1238 1242	62.6	7.13	1751	>1000	18.2	"
1302	62.8	7.16	1765	>1000	27.3	" DTW=19.12

Did well dewater? Yes No Gallons actually evacuated: **27.3**

Sampling Date: **5/10/10** Sampling Time: **1410** Depth to Water: **8.38** WAITED

Sample I.D.: **MW-0** Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): **Pre-purge: 0.21 mg/L** **Post-purge: 0.35 mg/L**

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

SHELL WELL MONITORING DATA SHEET

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: IW, RM	Date: 5/10/10
Well I.D.: MW-7	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 19.60	Depth to Water (DTW): 6.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.41	

Purge Method: Bailer	Waterra	Sampling Method: <input checked="" type="checkbox"/> Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

$\underline{8.3} \text{ (Gals.)} \times \underline{3} = \underline{24.9} \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1112	61.8	7.27	1872	227	8.3	ODOR
1113	WELL DEWATERED @			12.0 gal	12.0	DTW = 16.40
1315	61.1	7.22	1764	153	—	

Did well dewater? Yes No Gallons actually evacuated: **12.0**

Sampling Date: **5/10/10** Sampling Time: **1315** Depth to Water: **10.4 (> 7 hours)**

Sample I.D.: **MW-7** Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd): Pre-purge: 0.37 mg/L	Post-purge: 0.19 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

SHEET WELL LOG SHEET

BTS #: 100510-IWI	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: (IW), RM	Date: 5/10/10
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.53	Depth to Water (DTW): 6.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.30	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$8.4 \text{ (Gals.)} \times 3 = 25.2 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1130	61.3	7.21	874	65	8.4	STRONG ODOR
1131	WELL	DEWATERED @		15.5 gal	15.5	" DTW=14.92
1320	60.9	7.23	1019	153	GRAB	

Did well dewater? Yes No Gallons actually evacuated: **15.5**

Sampling Date: **5/10/10** Sampling Time: **1320** Depth to Water: **7.32**

Sample I.D.: **MW-8** Laboratory: **(CalScience) Columbia** Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd): (Pre-purge): 0.26 mg/L	D.O. (if req'd): (Post-purge): 0.54 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	O.R.P. (if req'd): Post-purge: _____ mV

SHALLOW WELL LOG SHEET

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: IW, (RM)	Date: 5/10/10
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 19.41	Depth to Water (DTW): 8.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.61	

Purge Method: Bailer	Waters: _____	Sampling Method: Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
Electric Submersible	Other _____	Dedicated Tubing
		Other: _____

$\underline{1.8} \text{ (Gals.)} \times \underline{3} = \underline{5.4} \text{ Gals.}$ <p style="font-size: small; margin: 0;">1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1128	59.5	7.23	865.8	71000	1.8	
1130	59.3	7.23	834.6	71000	3.4	
1132	59.3	7.21	829.6	71000	5.4	

Did well dewater? Yes No Gallons actually evacuated: **5.4**

Sampling Date: **5/10/10** Sampling Time: **1240** Depth to Water: **10.27**

Sample I.D.: **MW-12** Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd): (Pre-purge): 2.05 mg/L	D.O. (if req'd): (Post-purge): 1.42 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	O.R.P. (if req'd): Post-purge: _____ mV

SHELL WELL HEAD SURVEILLANCE SHEET

OAKLAND, CA

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, CA
Sampler: IW, (RM)	Date: 5/10/10
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 (3/4")
Total Well Depth (TD): 14.02	Depth to Water (DTW): 6.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.11	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other: <u>TURBOWELL w/ check valve</u>	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: →
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0.2 (Gals.) X	3	= 0.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (μS))	Turbidity (NTUs)	Gals. Removed	Observations
1057	62.6	7.81	1345	126	0.2	
1058	62.0	7.27	1366	562	0.4	odor
1059	62.1	7.25	1371	581	0.6	" "

Did well dewater? Yes No Gallons actually evacuated: 0.6

Sampling Date: 5/10/10 Sampling Time: 1105 Depth to Water: 7.32

Sample I.D.: MW-14 Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): @ _____ Time _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	(Pre-purge): 0.49 mg/L	(Post-purge): 1.38 mg/L	
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV	

SHEET WELL MONITORING DATA SHEET

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: IW, (RM)	Date: 5/10/10
Well I.D.: V-1	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 12.75	Depth to Water (DTW): 5.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.31	

Purge Method: <input checked="" type="checkbox"/> Bailer	Water: <input type="checkbox"/> Peristaltic	Sampling Method: <input checked="" type="checkbox"/> Bailer
<input type="checkbox"/> Disposable Bailer	<input type="checkbox"/> Extraction Pump	<input type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Positive Air Displacement	<input type="checkbox"/> Other _____	<input type="checkbox"/> Extraction Port
<input type="checkbox"/> Electric Submersible		<input type="checkbox"/> Dedicated Tubing
Other: _____		

$\frac{1.1}{1} \text{ (Gals.)} \times \frac{3}{1} = 3.3 \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1201	62.6	7.18	1242	90	1.1	
1203	61.2	7.14	1228	178	2.2	
1206	63.9	7.13	1216	182	3.3	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 3.3	
Sampling Date: 5/10/10	Sampling Time: 1210	Depth to Water: 6.22
Sample I.D.: V-1	Laboratory: (CalScience) Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC		
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
D.O. (if req'd): (Pre-purge) 0.17 mg/L	(Post-purge) 0.43 mg/L	
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 100510-IW1	Site: 2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CA
Sampler: (IW), RM	Date: 5/10/10
Well I.D.: V-2	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 13.20	Depth to Water (DTW): 5.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (CYSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.15	

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
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1.3 (Gals.) X 3 = 3.9 Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1204	61.9	6.92	1055	98	1.3	
1208	62.0	6.87	1032	133	2.6	
1212	62.1	6.85	1031	239	3.9	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 3.9	
Sampling Date: 5/10/10	Sampling Time: 1220	Depth to Water: 7.02
Sample I.D.: V-2	Laboratory: (CalScience) Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC		
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
D.O. (if req'd): (Pre-purge): 0.18 mg/L	(Post-purge): 0.28 mg/L	
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV	