



# GETTLER-RYAN INC.

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10:22 am, Jun 16, 2010

Alameda County  
Environmental Health

## TRANSMITTAL

March 30, 2010

G-R #386492

TO: Ms. Charlotte Evans  
Conestoga-Rovers & Associates  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
**(VIA PDF)**

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: **Former Chevron (Signal Oil)  
Service Station #206145 (S-800)  
800 Center Street  
Oakland, California  
RO 0000454**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 22, 2010	Groundwater Monitoring and Sampling Report First Semi-Annual Event of February 25, 2010

### COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced items for **your use and distribution (including PDF submittal of the entire report to GeoTracker)**:

Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health,  
1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
**(Distributed by CRA via PDF)**

Mr. Ian Robb, Chevron Environmental Management Company, 6111 Bollinger Canyon Road, Room  
3612, San Ramon, CA 94583 **(Distributed by CRA via PDF)**

Mr. Rene Boisvert, Boulevard Equity Group, (Owner), 484 Lake Park Ave., #246, Oakland, CA 94610

Mr. Hollis Rodgers, 215 West MacArthur Boulevard, Apt# 434, Oakland, CA 94611

Enclosures

trans/206145-IR



Ian Robb  
Project Manager  
Marketing Business Unit

Chevron Environmental  
Management Company  
6001 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 842-9496  
Fax (925) 842-8370  
ianrobb@chevron.com

March 30, 2010

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

RE: Chevron Service Station # 206145

Address 800 Center Street, Oakland, California

I have reviewed the attached routine groundwater monitoring report dated March 30, 2010.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code section 13267(b) (1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

A handwritten signature in black ink, appearing to read "I. Robb", written in a cursive style.

Ian Robb

Attachment: Report

## WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job # 386492  
 Event Date: 2-25-10  
 Sampler: SH

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-9	OK									Emco/12"/2	
MW-10	OK									11	
MW-13	OK									11	
MW-14	OK									11	
MW-1A	OK		2M	2S	OK					Morrison/6"/2	
MW-5	OK			2S	OK					Morrison/8"/2	
MW-6	OK			2S	OK					11	
MW-8	OK			2S	OK					11	

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job # 386492  
 Event Date: 2-25-10  
 Sampler: JH

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
AS-1	OK						→	Y	N	Emco/12" 12	
AS-2	OK						→	Y	N	"	
AS-3	OK						→	Y	N	"	
AS-4	OK						→	Y	N	"	
AS-5	OK						→	Y	N	"	
AS-6	OK						→	Y	N	"	
AS-7	OK						→	Y	N	"	
AS-8	OK						→	Y	N	"	

Comments \_\_\_\_\_  
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 \_\_\_\_\_

## WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job # 386492  
 Event Date: 2-25-10  
 Sampler: AW

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No		
MW-7	OK	→	→	→	→	→	→	Y	N	EMCO / 8" / 2			
MW-11	OK	→	→	→	→	→	→	N	N	EMCO / 12" / 2			
MW-12	OK	→	→	→	→	→	→	↓	↓	↓			
MW-15	OK	→	→	→	→	→	Y						
MW-16	OK	→	→	→	→	→	N						
MW-17	OK	→	→	→	→	→							
MW-2	OK	OK	OK	2S	OK	→	→			marlson / 8" / 2			
MW-4	OK	→	→	1S	OK	→	→			↓			
MW-3	OK	OK	3M	2B/1S	OK	→	→			Boart Laysan / 8" / 3			

Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# GETTLER-RYAN INC.



March 22, 2010  
G-R Job #386492

Mr. Ian Robb  
Chevron Environmental Management Company  
6111 Bollinger Canyon Road, Room 3612  
San Ramon, CA 94583

**RE: First Semi-Annual Event of February 25, 2010**  
Groundwater Monitoring & Sampling Report  
Former Chevron (Signal Oil) Service Station  
#206145 (S-800)  
800 Center Street  
Oakland, California

Dear Mr. Robb:

This report documents the well development and most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. Potentiometric Maps are included as Figures 1, 2, and 3.

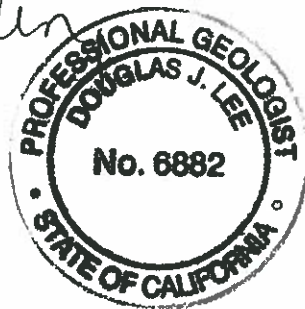
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding  
Project Coordinator

Douglas J. Lee  
Senior Geologist, P.G. No. 6882


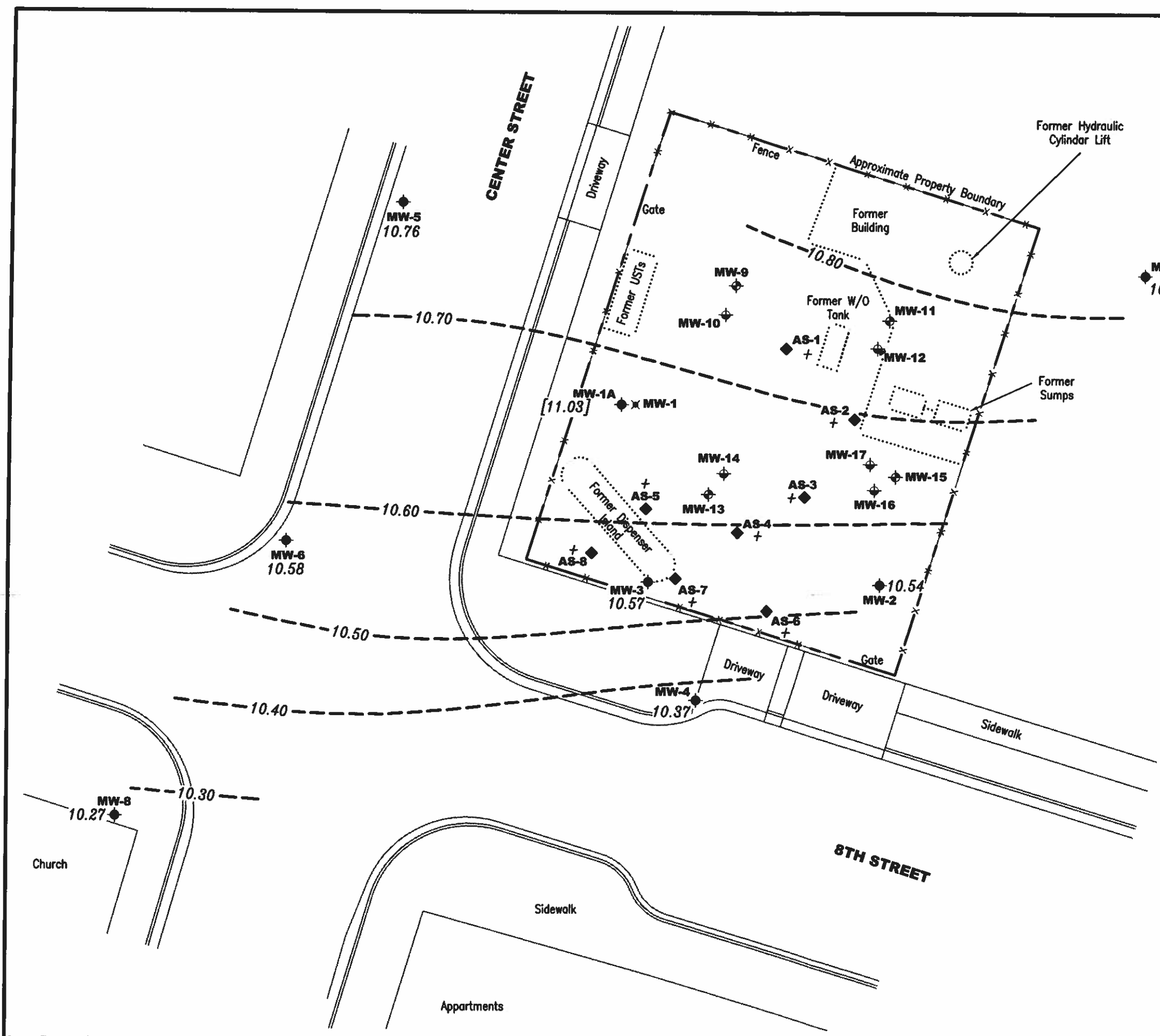
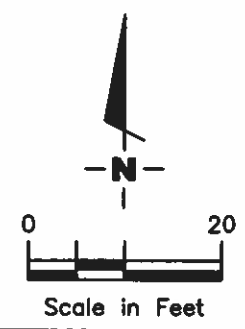


- Figure 1: Potentiometric Map – (Shallow Zone)
- Figure 2: Potentiometric Map – (Intermediate Zone)
- Figure 3: Potentiometric Map – (Deeper Zone)
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Field Measurements and Analytical Results
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

**EXPLANATION**

- ◆ Groundwater monitoring well (Shallow)
- ◆ Groundwater monitoring well (Intermediate Zone)
- ◆ Groundwater monitoring well (Deeper)
- × Destroyed well
- ◆ Air sparge point
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 Groundwater elevation contour, dashed where inferred
- [99.99] Not used in contouring
- + TOC not available

Approximate groundwater flow direction at a gradient of 0.003 to 0.009 Ft./Ft.


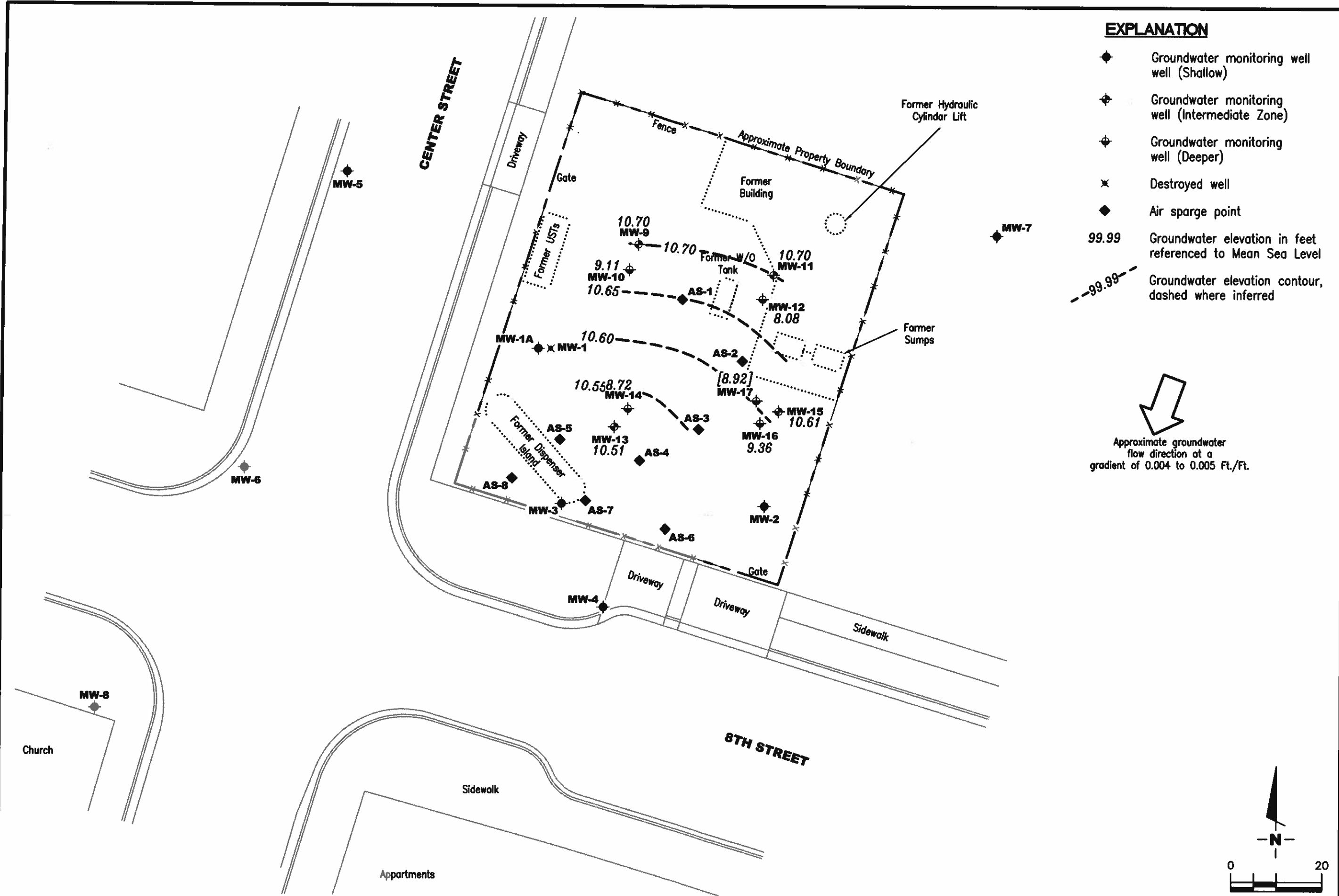



Source: Figure modified from drawing provided by Morrow Surveying, Monitoring Well Exhibit, Sheet 1 of 1, Dated: 3/5/10 and RRM engineering contracting firm.

**EXPLANATION**

- ◆ Groundwater monitoring well (Shallow)
- ◊ Groundwater monitoring well (Intermediate Zone)
- ⊕ Groundwater monitoring well (Deeper)
- ✕ Destroyed well
- ◆ Air sparge point
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.004 to 0.005 Ft./Ft.

**POTENTIOMETRIC MAP - INTERMEDIATE ZONE**  
 Former Chevron (Signal Oil) Service Station #206145(S-800)  
 800 Center Street  
 Oakland, California

**GETTLER - RYAN INC.**  
 6747 Sierr Court, Suite J  
 Dublin, CA 94568  
 (925) 551-7555

PROJECT NUMBER: 386492  
 DATE: February 25, 2010  
 REVISIONS: DATE

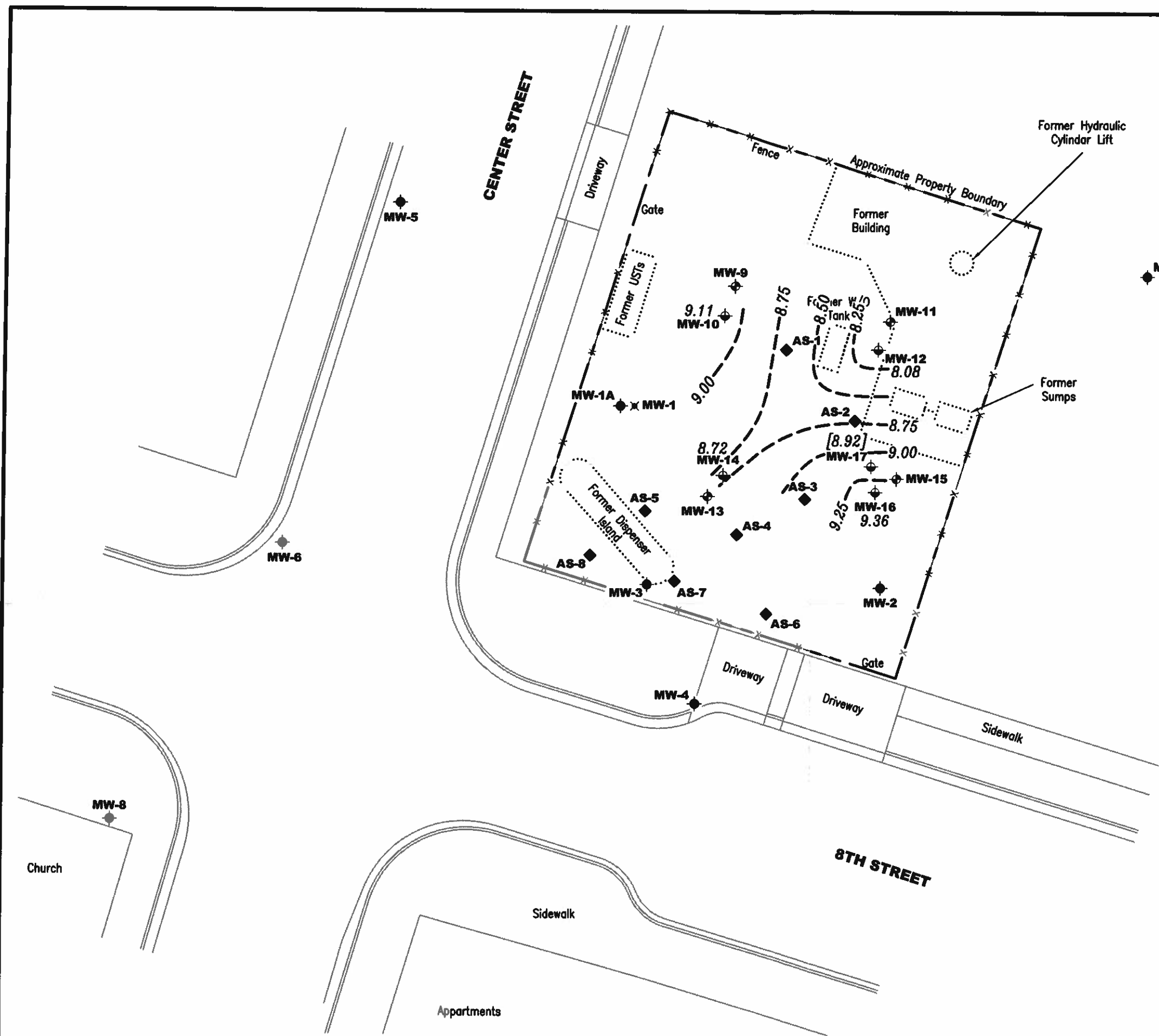
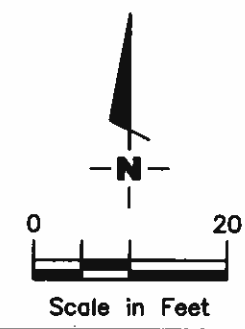
Source: Figure modified from drawing provided by Morrow Surveying, Monitoring Well Exhibit, Sheet 1 of 1, Dated: 3/5/10 and RRM engineering contracting firm.



**EXPLANATION**

- ◆ Groundwater monitoring well (Shallow)
- ◆ Groundwater monitoring well (Intermediate Zone)
- ◆ Groundwater monitoring well (Deeper)
- ✕ Destroyed well
- ◆ Air sparge point
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 Groundwater elevation contour, dashed where inferred
- [99.99] Not used in contouring - screened in deeper zone

Groundwater flow direction varies at a gradient of 0.02 to 0.05 Ft./Ft.



Source: Figure modified from drawing provided by Morrow Surveying, Monitoring Well Exhibit, Sheet 1 of 1, Dated: 3/5/10 and RRM engineering contracting firm.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron (Signal Oil) Service Station #206145 (S-800)**  
**800 Center Street**  
**Oakland, California**

WELL ID/ DATE	TOC* ( <i>fl.</i> )	GWE ( <i>msl</i> )	DTW ( <i>fl.</i> )	TPH-DRO ( <i>µg/L</i> )	TPH-GRO ( <i>µg/L</i> )	B ( <i>µg/L</i> )	T ( <i>µg/L</i> )	E ( <i>µg/L</i> )	X ( <i>µg/L</i> )	MTBE ( <i>µg/L</i> )	CUB ( <i>cfu/ml</i> )
<b>MW-1A</b>											
02/24-25/03 <sup>1</sup>	15.49	8.17	7.32	4,600	5,100	92	340	66	480	<10	--
06/02/03	15.49	7.15	8.34	5,500	3,800	150	490	72	450	<13	--
09/02/03	15.49	6.10	9.39	10,000	6,200	100	580	110	760	47	--
11/21/03	15.49	5.29	10.20	3,800	3,200	29	150	49	240	<10	--
02/27/04	15.49	9.87	5.62	2,800	280	9.7	19	3.0	30	<2.5	--
05/28/04	15.49	6.88	8.61	5,500	1,100	35	81	27	140	17	--
08/31/04	15.49	5.58	9.91	4,500	1,100	13	68	27	110	<2.5	--
12/17/04	15.49	7.09	8.40	2,300 <sup>o</sup>	560	8.0	17	9.6	36	<2.5	--
03/28/05	15.49	10.36	5.13	340 <sup>o</sup>	87	16	4.2	3.3	11	<2.5	--
06/09/05	15.49	9.69	5.80	6,400 <sup>o</sup>	260	26	3.7	7.7	13	5.3	--
08/19/05	15.49	6.70	8.79	1,100 <sup>o,p,q</sup>	440	38	7.8	9.4	17	<2.5	--
11/18/05	15.49	6.25	9.24	1,300 <sup>o,q</sup>	450	11	12	17	22	<2.5	--
03/07/06	15.49	10.51	4.98	2,300 <sup>o</sup>	150	33	1.6	3.4	2.7	<2.5	--
05/17/06	15.49	9.02	6.47	2,600 <sup>o</sup>	110	18	<0.5	0.7	<1.5	<2.5	--
08/30/06	15.49	5.68	9.81	3,600 <sup>o</sup>	420	24	0.7	8.1	9.2	<10	--
11/28/06	15.49	5.79	9.70	2,900 <sup>o</sup>	220	8.6	2.7	6.1	9.3	<2.5	--
02/06/07	18.11	8.83	9.28	1,500 <sup>o</sup>	230	19	<0.5	1.8	2.7	<2.5	--
05/02/07	18.11	9.83	8.28	1,300 <sup>o</sup>	190	16	<0.5	1	1.8	<2.5	--
08/17/07	18.11	8.61	9.50	1,100 <sup>o</sup>	160	2.5	0.8	2.0	2.7	<2.5	--
11/16/07 <sup>v</sup>	18.11	8.27	9.84	3,600 <sup>o</sup>	30,000	610	1,100	4,100	2,800	310	--
02/05/08	18.11	11.63	6.48	2,100 <sup>o</sup>	63	4.8	<0.5	<0.5	<1.5	<2.5	--
05/20/08	18.11	9.18	8.93	940 <sup>o</sup>	50	1.5	<0.5	<0.5	<1.5	<2.5	--
08/06/08	18.11	8.25	9.86	1,900 <sup>o</sup>	98	0.7	<0.5	<0.5	<1.5	<2.5	--
12/05/08	18.11	7.68	10.43	940 <sup>o</sup>	96	0.6	<0.5	0.5	<1.5	<2.5	--
02/09/09	18.11	8.10	10.01	630 <sup>o</sup>	130	2.7	<0.5	2.1	<1.5	<2.5	--
05/08/09	18.11	9.91	8.20	1,300 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/07/09	18.11	8.35	9.76	1,300 <sup>o</sup>	97	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/25/10	18.11	11.03	7.08	500 <sup>o,z</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
<b>MW-2</b>											
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	15.72	7.82	7.90	--	83 <sup>d</sup>	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-2 (cont)</b>											
05/11/98	15.72	8.82	6.90	SAMPLED ANNUALLY			--	--	--	--	--
07/16/98	15.72	7.37	8.35	--	--	--	--	--	--	--	--
08/04/98 <sup>a</sup>	15.72	7.03	8.69	--	--	--	--	--	--	--	1.9 x 10 <sup>1</sup>
09/03/98 <sup>a</sup>	15.72	6.44	9.28	--	--	--	--	--	--	--	3.0 x 10 <sup>2</sup>
10/21/98 <sup>b</sup>	15.72	5.51	10.21	--	--	--	--	--	--	--	8.8 x 10 <sup>2</sup>
11/04/98	15.72	5.60	10.12	--	--	--	--	--	--	--	--
01/26/99	15.72	6.87	8.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.72	8.20	7.52	--	--	--	--	--	--	--	--
08/21/99	15.72	13.21	2.51	--	--	--	--	--	--	--	--
10/28/99	15.72	6.35	9.37	--	--	--	--	--	--	--	--
01/31/00	15.72	7.25	8.47	--	<50	<0.5	0.541	<0.5	<0.5	<2.5	--
05/19/00	15.72	7.65	8.07	--	--	--	--	--	--	--	--
08/07/00	15.72	6.35	9.37	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>f</sup>	--
12/01/00	15.72	5.60	10.12	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
02/09/01	15.72	6.05	9.67	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	15.72	6.73	8.99	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/27/01 <sup>h</sup>	15.72	5.68	10.04	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0 <sup>f</sup>	--
11/28/01	15.72	5.86	9.86	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
02/14/02	15.69	7.86	7.83	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	15.69	7.09	8.60	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	15.69	6.02	9.67	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	15.69	DRY	--	--	--	--	--	--	--	--	--
02/24-25/03 <sup>1</sup>	15.69	8.04	7.65	140	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.69	7.33	8.36	150 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.69	5.97	9.72	150 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	-- <sup>n</sup>	-- <sup>n</sup>	10.39	180	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	-- <sup>n</sup>	-- <sup>n</sup>	6.90	310	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	-- <sup>n</sup>	-- <sup>n</sup>	9.13	160	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- <sup>n</sup>	-- <sup>n</sup>	10.30	180 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- <sup>n</sup>	-- <sup>n</sup>	8.91	77 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	-- <sup>n</sup>	-- <sup>n</sup>	6.51	<50 <sup>o</sup>	<50	<0.5	0.5	<0.5	<1.5	<2.5	--
06/09/05	-- <sup>n</sup>	-- <sup>n</sup>	7.09	53 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- <sup>n</sup>	-- <sup>n</sup>	9.27	<50 <sup>o,p</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- <sup>n</sup>	-- <sup>n</sup>	9.66	<50 <sup>n</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	-- <sup>n</sup>	-- <sup>n</sup>	6.75	<50 <sup>n</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- <sup>n</sup>	-- <sup>n</sup>	7.09	<50 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- <sup>n</sup>	-- <sup>n</sup>	9.03	640 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)	
<b>MW-2 (cont)</b>												
11/28/06	-- <sup>n</sup>	-- <sup>n</sup>	10.02	560°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
02/06/07	18.40	8.72	9.68	200°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
05/02/07	18.40	9.71	8.69	480°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
08/17/07	18.40	8.52	9.88	1,000°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
11/16/07	18.40	8.30	10.10	1,900°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
02/05/08	18.40	10.97	7.43	1,100°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
05/20/08	18.40	9.09	9.31	650°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
08/06/08	18.40	8.25	10.15	200°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
12/05/08	18.40	7.12	11.28	680°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
02/09/09	18.40	8.08	10.32	420°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
05/08/09	18.40	9.98	8.42	75°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
08/07/09	18.40	8.23	10.17	610°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
02/25/10	18.40	10.54	7.86	120 <sup>aa</sup>	<50 <sup>aa</sup>	<0.5	<0.5	<0.5	<1.5	<2.5	--	
<b>MW-3</b>												
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1,700	2,300	4,200	--	--	
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0	--	
04/24/97	15.42	7.29	8.13	--	1,400	310	28	76	75	74	--	
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1,500	2,700	4,200	2,500	--	
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1,200	3,000	3,100	2,500	--	
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10	--	
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5	--	
07/16/98	15.42	7.14	8.28	--	260	90	4.8	18	5.7	<10	--	
08/04/98 <sup>a</sup>	15.42	6.88	8.54	--	--	--	--	--	--	--	8.5 x 10 <sup>2</sup>	
09/03/98 <sup>a</sup>	15.42	6.34	9.08	--	--	--	--	--	--	--	2.4 x 10 <sup>3</sup>	
10/21/98 <sup>b</sup>	15.42	5.62	9.80	--	--	--	--	--	--	--	6.0 x 10 <sup>1</sup>	
11/04/98	15.42	5.60	9.82	--	73,000	17,000	3,800	4,900	8,100	<250	--	
01/26/99	15.42	6.70	8.72	--	32,400	10,200	1,850	2,650	3,140	715/<500 <sup>c</sup>	--	
05/06/99	15.42	7.97	7.45	--	3,160	668	89.6	180	123	<200/<10 <sup>c</sup>	--	
08/21/99	15.42	7.95	7.47	--	53,800	9,700	2,040	2,880	5,000	<1,250/<40 <sup>c</sup>	--	
10/28/99	15.42	5.37	10.05	--	71,300	14,000	3,420	4,320	8,360	<1,000	--	
01/31/00	15.42	7.16	8.26	--	1,650	496	49.1	134	82.6	<12.5	--	
05/19/00	15.42	7.60	7.82	--	110 <sup>e</sup>	36	2.5	9.1	4.0	6.3	--	
08/07/00	15.42	6.29	9.13	--	36,000 <sup>e</sup>	9,000	3,000	2,700	2,800	2,500/<10 <sup>f</sup>	--	
12/01/00	15.42	2.45	12.97	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
02/09/01	15.42	5.98	9.44	--	32,000 <sup>e</sup>	11,000	3,900	3,200	4,800	3,200/<2.0 <sup>f</sup>	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron (Signal Oil) Service Station #206145 (S-800)**  
**800 Center Street**  
**Oakland, California**

WELL ID/ DATE	TOC <sup>a</sup> (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-3 (cont)</b>											
05/29/01	15.42	6.65	8.77	--	13,000	4,200	2,000	1,800	1,500	74/2.0 <sup>f</sup>	--
08/27/01 <sup>h</sup>	15.42	5.70	9.72	--	40,000	7,600	2,800	2,500	2,700	<25 <sup>f</sup>	--
11/28/01	15.42	5.77	9.65	--	57,000	10,000	2,900	2,900	2,800	<250/5.0 <sup>f</sup>	--
02/14/02	15.40	7.73	7.67	--	51	2.9	<0.50	1.9	1.8	<2.5/2 <sup>f</sup>	--
05/15/02	15.40	7.05	8.35	--	4,100	910	250	210	240	<20/2 <sup>f</sup>	--
08/05/02	15.40	5.96	9.44	--	58,000	11,000	4,300	3,400	4,000	<250/10 <sup>f</sup>	--
11/30/02	15.40	5.14	10.26	--	46,000	13,000	2,900	3,700	2,600	<100/10 <sup>f</sup>	--
02/24-25/03 <sup>l</sup>	15.40	7.89	7.51	4,500	52,000	9,600	4,800	2,900	4,100	<130	--
06/02/03	15.40	7.24	8.16	6,500	67,000	11,000	9,600	3,400	5,700	<250	--
09/02/03	15.40	5.89	9.51	10,000	73,000	8,900	10,000	3,600	7,000	300	--
11/21/03	15.40	5.17	10.23	8,000	29,000	3,300	3,200	1,200	1,500	<200	--
02/27/04	15.40	8.84	6.56	200	59	8.2	6.3	1.7	6.8	<2.5	--
05/28/04	15.40	6.57	8.83	5,400	18,000	2,600	970	1,600	950	<100	--
08/31/04	15.40	5.41	9.99	9,100	58,000	3,200	9,600	2,800	7,500	<50	--
12/17/04	15.40	6.81	8.59	2,200 <sup>o</sup>	23,000	1,100	2,100	1,200	2,600	<25	--
03/28/05	15.40	9.29	6.11	3,200 <sup>o</sup>	43,000	1,500	10,000	2,600	7,300	<130	--
06/09/05	15.40	8.65	6.75	7,800 <sup>o</sup>	38,000	980	7,000	2,100	4,800	190	--
08/19/05	15.40	6.43	8.97	5,000 <sup>o,p,r</sup>	75,000	1,500	14,000	3,400	9,600	<130	--
11/18/05	15.40	5.95	9.45	3,900 <sup>o,r</sup>	72,000	1,400	14,000	3,600	9,700	380	--
03/07/06	15.40	9.05	6.35	1,100 <sup>o</sup>	15,000	280	2,300	820	2,000	<100	--
05/17/06	15.40	8.57	6.83	4,400 <sup>o</sup>	57,000	650	8,100	2,900	8,100	410	--
08/30/06	15.40	5.44	9.96	4,300 <sup>o</sup>	54,000	540	7,600	4,100	10,000	550	--
11/28/06	15.40	5.62	9.78	4,400 <sup>o</sup>	43,000	260	3,400	3,800	5,800	<1,000	--
02/06/07	18.07	8.70	9.37	5,000 <sup>o</sup>	43,000	290	6,200	3,400	6,400	<500	--
05/02/07	18.07	9.67	8.40	4,500 <sup>o</sup>	43,000	290	4,100	3,800	6,500	<500	--
08/17/07	18.07	8.50	9.57	4,900 <sup>o</sup>	46,000	240	1,900	3,800	5,600	310	--
11/16/07 <sup>y</sup>	18.07	8.29	9.78	860 <sup>o</sup>	450	34	23	53	25	4.1	--
02/05/08	18.07	10.97	7.10	2,400 <sup>o</sup>	18,000	210	950	1,800	1,700	<500	--
05/20/08	18.07	8.99	9.08	6,900 <sup>o</sup>	45,000	190	4,900	2,800	6,200	<500 <sup>w</sup>	--
08/06/08	18.07	8.26	9.81	5,000 <sup>o</sup>	40,000	220	1,500	3,200	6,500	<500 <sup>w</sup>	--
12/05/08	18.07	7.56	10.51	4,000 <sup>o</sup>	15,000	26	590	1,800	1,800	230	--
02/09/09	18.07	8.02	10.05	2,800 <sup>o</sup>	20,000	170	710	1,800	2,500	<400 <sup>w</sup>	--
05/08/09	18.07	9.95	8.12	2,900 <sup>o</sup>	15,000	88	900	2,100	1,400	<250 <sup>w</sup>	--
08/07/09	18.07	8.20	9.87	2,900 <sup>o</sup>	41,000	150	2,400	3,800	6,700	<500 <sup>w</sup>	--
02/25/10	18.07	10.57	7.50	1,800 <sup>o</sup>	15,000	42	320	1,600	1,100	330	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC <sup>a</sup> (ft)	GWE (msl)	DTW (ft)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-4</b>											
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39	--
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100	--
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.40	5.74	8.66	--	--	--	--	--	--	--	--
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5	--
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.40	8.40	6.00	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
07/16/98	14.40	7.08	7.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98 <sup>a</sup>	14.40	6.28	8.12	--	--	--	--	--	--	--	1.8 x 10 <sup>4</sup>
09/03/98 <sup>a</sup>	14.40	6.32	8.08	--	--	--	--	--	--	--	1.4 x 10 <sup>4</sup>
10/21/98 <sup>b</sup>	14.40	5.64	8.76	--	--	--	--	--	--	--	8.6 x 10 <sup>4</sup>
11/04/98	14.40	5.61	8.79	--	--	--	--	--	--	--	--
01/26/99	14.40	6.71	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.40	8.15	6.25	--	--	--	--	--	--	--	--
08/21/99	14.40	8.13	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	14.40	4.14	10.26	--	--	--	--	--	--	--	--
01/31/00	14.40	7.07	7.33	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	14.40	7.52	6.88	--	--	--	--	--	--	--	--
08/07/00	14.40	6.23	8.17	--	<50	4.3	0.60	<0.50	<0.50	<2.5/<2.0 <sup>f</sup>	--
12/01/00	14.40	INACCESSIBLE	--	--	--	--	--	--	--	--	--
02/09/01	14.40	INACCESSIBLE	--	--	--	--	--	--	--	--	--
05/29/01	14.40	6.58	7.82	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
08/27/01	14.40	6.52	7.88	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
11/28/01	14.40	DRY	--	--	--	--	--	--	--	--	--
02/14/02	14.37	7.66	6.71	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
05/15/02	14.37	6.96	7.41	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
08/05/02	14.37	DRY	--	--	--	--	--	--	--	--	--
11/30/02	14.37	DRY	--	--	--	--	--	--	--	--	--
02/24-25/03 <sup>1</sup>	14.37	7.77	6.60	200	<50	8.0	<0.50	<0.50	<1.5	<2.5	--
06/02/03	14.37	7.11	7.26	300	<50	4.3	<0.5	<0.5	<1.5	<2.5	--
09/02/03	14.37	5.80	8.57	410	51	4.3	<0.5	<0.5	<1.5	<2.5	--
11/21/03	-- <sup>n</sup>	-- <sup>n</sup>	10.24	560	110	25	0.6	1.5	<1.5	<2.5	--
02/27/04	-- <sup>n</sup>	-- <sup>n</sup>	5.71	340	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	-- <sup>n</sup>	-- <sup>n</sup>	7.88	430	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- <sup>n</sup>	-- <sup>n</sup>	9.03	460	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- <sup>n</sup>	-- <sup>n</sup>	7.67	390 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-4 (cont)</b>											
03/28/05	-- <sup>n</sup>	-- <sup>n</sup>	5.32	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	-- <sup>n</sup>	-- <sup>n</sup>	6.70	120°	90	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- <sup>n</sup>	-- <sup>o</sup>	8.03	190 <sup>o,p,q</sup>	200	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- <sup>n</sup>	-- <sup>o</sup>	9.43	310 <sup>o,t</sup>	230	2.7	<0.5	0.8	<1.5	<2.5	--
03/07/06	-- <sup>n</sup>	-- <sup>n</sup>	5.55	230°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- <sup>n</sup>	-- <sup>n</sup>	5.89	150°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- <sup>n</sup>	-- <sup>n</sup>	7.71	380°	1,300	47	<2.5	<2.5	<7.5	<50	--
11/28/06	-- <sup>n</sup>	-- <sup>o</sup>	8.75	1,800°	1,200	36	1.1	3.4	<5.0	<20	--
02/06/07	16.98	8.58	8.40	1,600°	13,000 <sup>u</sup>	3,700 <sup>u</sup>	60 <sup>u</sup>	880 <sup>u</sup>	170 <sup>u</sup>	210 <sup>u</sup>	--
05/02/07	16.98	9.53	7.45	170°	1,400	170	0.6	0.9	1.6	<50	--
08/17/07	16.98	8.35	8.63	1,600°	4,700	870	3.8	49	<10	30	--
11/16/07	16.98	8.20	8.78	2,000°	3,700	780	5.6	100	7.8	25	--
02/05/08	16.98	10.75	6.23	250°	1,100	270	2.2	63	7.6	<50	--
05/20/08	16.98	8.91	8.07	1,100°	3,300	720	4.1	13	15	<50 <sup>w</sup>	--
08/06/08	16.98	8.09	8.89	2,200°	11,000	2,700	33	460	87	<100 <sup>w</sup>	--
12/05/08	16.98	7.46	9.52	540°	2,500	380	1.4	22	<5.0 <sup>x</sup>	11	--
02/09/09	16.98	7.97	9.01	610°	890	6.4	0.5	2.9	<1.5	<5.0 <sup>w</sup>	--
05/08/09	16.98	9.80	7.18	140°	560	29	<0.5	1.2	<1.5	<5.0 <sup>w</sup>	--
08/07/09	16.98	8.10	8.88	1,000°	1,900	260	1.2	7.1	3.0	8.3	--
02/25/10	16.98	10.37	6.61	54 <sup>o,x</sup>	56	<0.5	<0.5	<0.5	<1.5	<2.5	--
<b>MW-5</b>											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
04/24/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
10/29/97	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
07/16/98	15.03	7.28	7.75	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
11/04/98	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
01/26/99	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
05/06/99	15.03	INACCESSIBLE	--	--	--	--	--	--	--	--	--
08/21/99	15.03	6.74	8.29	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

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Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* ( <i>µ</i> L)	GWE ( <i>msl</i> )	DTW ( <i>ft</i> )	TPH-DRO ( <i>µ</i> g/L)	TPH-GRO ( <i>µ</i> g/L)	B ( <i>µ</i> g/L)	T ( <i>µ</i> g/L)	E ( <i>µ</i> g/L)	X ( <i>µ</i> g/L)	MTBE ( <i>µ</i> g/L)	CUB ( <i>cfu/ml</i> )
<b>MW-5 (cont)</b>											
10/28/99	15.03	4.60	10.43	--	--	--	--	--	--	--	--
01/31/00	15.03	7.39	7.64	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	15.03	7.85	7.18	--	--	--	--	--	--	--	--
08/07/00	15.03	INACCESSIBLE		--	--	--	--	--	--	--	--
12/01/00	15.03	5.68	9.35	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<2.0 <sup>f</sup>	--
02/09/01	15.03	6.22	8.81	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>f</sup>	--
05/29/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
08/27/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
11/28/01	15.03	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
02/14/02	15.01	7.96	7.05	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
05/15/02	15.01	7.23	7.78	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
08/05/02	15.01	6.13	8.88	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
11/30/02	15.01	5.27	9.74	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
02/24-25/03 <sup>1</sup>	15.01	7.99	7.02	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.01	7.14	7.87	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.01	6.02	8.99	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	15.01	5.26	9.75	68	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	15.01	8.42	6.59	140	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	15.01	6.71	8.30	76	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	15.01	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
12/17/04	15.01	6.98	8.03	52°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	15.01	8.66	6.35	51°	<50	<0.5	0.7	<0.5	<1.5	<2.5	--
06/09/05	15.01	9.16	5.85	72°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	15.01	6.52	8.49	<50° <sup>p</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	15.01	6.12	8.89	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	15.01	8.98	6.03	<50°	<50	<0.5	<0.5	1.4	<1.5	<2.5	--
05/17/06	15.01	8.83	6.18	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	15.01	6.86	8.15	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	15.01	6.46	8.55	200°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	17.68	8.83	8.85	55°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	17.68	9.91	7.77	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	17.68	8.63	9.05	66°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/16/07	17.68	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
02/05/08	17.68	INACCESSIBLE - CAR PARKED OVER WELL		--	--	--	--	--	--	--	--
02/29/08	17.68	10.88	6.80	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/20/08	17.68	9.21	8.47	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/06/08	17.68	8.29	9.39	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Former Chevron (Signal Oil) Service Station #206145 (S-800)  
 800 Center Street  
 Oakland, California

WELL ID/ DATE	TOC* ( <i>fl</i> )	GWE ( <i>msl</i> )	DTW ( <i>fl</i> )	TPH-DRO ( <i>µg/L</i> )	TPH-GRO ( <i>µg/L</i> )	B ( <i>µg/L</i> )	T ( <i>µg/L</i> )	E ( <i>µg/L</i> )	X ( <i>µg/L</i> )	MTBE ( <i>µg/L</i> )	CUB ( <i>cfu/ml</i> )		
<b>MW-5 (cont)</b>													
12/05/08	17.68	7.63	10.05	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--		
02/09/09	17.68	8.21	9.47	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--		
05/08/09	17.68	10.16	7.52	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--		
08/07/09	17.68	8.33	9.35	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--		
02/25/10	17.68	10.76	6.92	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--		
<b>MW-6</b>													
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--		
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12	--		
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5	--		
05/11/98	14.73	8.08	6.65	--	1,700	490	72	39	52	<25	--		
07/16/98	14.73	7.04	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--		
08/04/98 <sup>a</sup>	14.73	6.89	7.84	--	--	--	--	--	--	--	8.6 x 10 <sup>3</sup>		
09/03/98 <sup>a</sup>	14.73	6.24	8.49	--	--	--	--	--	--	--	2.9 x 10 <sup>3</sup>		
10/21/98 <sup>b</sup>	14.73	5.46	9.27	--	--	--	--	--	--	--	1.8 x 10 <sup>3</sup>		
11/04/98	14.73	5.52	9.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
01/26/99	14.73	6.49	8.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--		
05/06/99	14.73	7.91	6.82	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--		
08/21/99	14.73	7.93	6.80	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--		
10/28/99	14.73	5.27	9.46	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--		
01/31/00	14.73	7.16	7.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--		
05/19/00	14.73	7.60	7.13	--	<50	11	<0.5	<0.5	<0.5	<2.5	--		
08/07/00	14.73	6.22	8.51	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>f</sup>	--		
12/01/00	14.73	DRY	--	--	--	--	--	--	--	--	--		
02/09/01	14.73	DRY	--	--	--	--	--	--	--	--	--		
05/29/01	14.73	6.63	8.10	NOT SAMPLED DUE TO INSUFFICIENT WATER								--	--
08/27/01 <sup>h</sup>	14.73	9.83	4.90	--	150	<0.50	5.7	<0.50	<0.50	<5.0 <sup>f</sup>	--		
11/28/01	14.73	DRY	--	--	--	--	--	--	--	--	--		
02/14/02	14.68	7.90	6.78	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--		
05/15/02	14.68	7.32	7.36	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--		
08/05/02	14.68	DRY	--	--	--	--	--	--	--	--	--		
11/30/02	14.68	DRY	--	--	--	--	--	--	--	--	--		
02/24-25/03 <sup>l</sup>	14.68	7.89	6.79	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--		

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* ( <i>fl</i> )	GWE ( <i>msl</i> )	DTW ( <i>fl</i> )	TPH-DRO ( <i>µg/L</i> )	TPH-GRO ( <i>µg/L</i> )	B ( <i>µg/L</i> )	T ( <i>µg/L</i> )	E ( <i>µg/L</i> )	X ( <i>µg/L</i> )	MTBE ( <i>µg/L</i> )	CUB ( <i>cfu/ml</i> )
<b>MW-6 (cont)</b>											
06/02/03	14.68	7.20	7.48	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	14.68	5.77	8.91	190	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	14.68	4.86	9.82	98	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	14.68	8.12	6.56	240	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	14.68	6.43	8.25	150	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	14.68	5.29	9.39	360 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	14.68	6.85	7.83	91°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	14.68	8.34	6.34	61°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	14.68	7.95	6.73	64°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	14.68	6.27	8.41	<50 <sup>o,p</sup>	<50 <sup>s</sup>	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	14.68	DRY AT 15.70 FEET		--	--	--	--	--	--	--	--
03/07/06	14.68	8.03	6.65	<50°	<50	<0.5	<0.5	0.9	<1.5	<2.5	--
05/17/06	14.68	7.98	6.70	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	14.68	6.63	8.05	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	14.68	6.09	8.59	120°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	17.33	8.58	8.75	96°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	17.33	9.64	7.69	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	17.33	8.38	8.95	66°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/16/07	17.33	8.19	9.14	250°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/08	17.33	10.55	6.78	120°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/20/08	17.33	8.92	8.41	70°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/06/08	17.33	8.06	9.27	<160°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/05/08	17.33	7.44	9.89	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/09/09	17.33	7.99	9.34	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/08/09	17.33	10.01	7.32	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/07/09	17.33	8.11	9.22	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/25/10	17.33	10.58	6.75	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
<b>MW-7</b>											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	16.36	9.11	7.25	SAMPLED ANNUALLY		--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-7 (cont)</b>											
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98 <sup>a</sup>	16.36	7.32	9.04	--	--	--	--	--	--	--	1.5 x 10 <sup>3</sup>
09/03/98 <sup>a</sup>	16.36	6.65	9.71	--	--	--	--	--	--	--	6.5 x 10 <sup>2</sup>
10/21/98 <sup>b</sup>	16.36	5.96	10.40	--	--	--	--	--	--	--	4.8 x 10 <sup>3</sup>
11/04/98	16.36	5.89	10.47	--	--	--	--	--	--	--	--
01/26/99	16.36	8.25	8.11	--	<50	<0.5	<0.5	<0.5	0.5	<2.0	--
05/06/99	16.36	8.47	7.89	--	--	--	--	--	--	--	--
08/21/99	16.36	8.51	7.85	--	--	--	--	--	--	--	--
10/28/99	16.36	6.04	10.32	--	--	--	--	--	--	--	--
01/31/00	16.36	7.57	8.79	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/19/00	16.36	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/07/00	16.36	6.67	9.69	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>f</sup>	--
12/01/00	16.36	5.84	10.52	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
02/09/01	16.36	6.30	10.06	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	16.36	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/27/01 <sup>h</sup>	16.36	6.02	10.34	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0 <sup>f</sup>	--
11/28/01	16.36	6.09	10.27	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	16.31	8.21	8.10	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	16.31	7.41	8.90	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	16.31	6.26	10.05	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	16.31	5.39	10.92	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 <sup>i</sup>	16.31	8.30	8.01	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	16.31	7.67	8.64	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	16.31	6.17	10.14	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	16.31	UNABLE TO LOCATE - BURIED		--	--	--	--	--	--	--	--
02/27/04	16.31	UNABLE TO LOCATE - BURIED		--	--	--	--	--	--	--	--
05/28/04	-- <sup>n</sup>	-- <sup>n</sup>	9.40	91	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	-- <sup>n</sup>	-- <sup>n</sup>	10.61	150 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	-- <sup>n</sup>	-- <sup>n</sup>	9.16	170 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	-- <sup>n</sup>	-- <sup>n</sup>	7.21	<50 <sup>n</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	-- <sup>n</sup>	-- <sup>n</sup>	7.71	86 <sup>o</sup>	55	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	-- <sup>n</sup>	-- <sup>n</sup>	9.88	820 <sup>n,p,q</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	-- <sup>n</sup>	-- <sup>n</sup>	10.06	<50 <sup>n</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	-- <sup>n</sup>	-- <sup>n</sup>	6.95	<50 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	-- <sup>n</sup>	-- <sup>n</sup>	7.52	<50 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	-- <sup>n</sup>	-- <sup>n</sup>	10.73	<50 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	-- <sup>n</sup>	-- <sup>n</sup>	10.70	<50 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

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Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfw/ml)
<b>MW-7 (cont)</b>											
02/06/07	19.26	8.91	10.35	73°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	19.26	9.98	9.28	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/17/07	19.26	8.75	10.51	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/16/07	19.26	8.56	10.70	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/08	19.26	11.43	7.83	100°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/20/08	19.26	9.32	9.94	52°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/06/08	19.26	8.41	10.85	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/05/08	19.26	7.71	11.55	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/09/09	19.26	8.23	11.03	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/08/09	19.26	10.23	9.03	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/07/09	19.26	8.40	10.86	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/25/10	19.26	10.84	8.42	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
<b>MW-8</b>											
02/14/02 <sup>j</sup>	15.29	7.30	7.99	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
05/15/02 <sup>k</sup>	15.29	6.66	8.63	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02 <sup>k</sup>	15.29	5.48	9.81	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02 <sup>k</sup>	15.29	4.85	10.44	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 <sup>l</sup>	15.29	7.46	7.83	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	15.29	6.83	8.46	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	15.29	5.57	9.72	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	15.29	4.89	10.40	<50	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	15.29	8.38	6.91	280	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	15.29	6.33	8.96	72	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	15.29	4.79	10.50	92 <sup>m</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	15.29	6.68	8.61	53°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	15.29	8.79	6.50	<50°	<50	<0.5	0.9	<0.5	<1.5	<2.5	--
06/09/05	15.29	8.26	7.03	63°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	15.29	6.18	9.11	<50° <sup>p</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	15.29	5.47	9.82	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	15.29	8.60	6.69	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	15.29	8.21	7.08	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	15.29	6.57	8.72	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	15.29	6.38	8.91	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	17.79	8.39	9.40	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	17.79	9.33	8.46	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-8 (cont)</b>											
08/17/07	17.79	8.18	9.61	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/16/07	17.79	8.04	9.75	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/08	17.79	10.44	7.35	120°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/20/08	17.79	8.69	9.10	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/06/08	17.79	7.89	9.90	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/05/08	17.79	7.30	10.49	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/09/09	17.79	7.86	9.93	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/08/09	17.79	9.60	8.19	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/07/09	17.79	7.95	9.84	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/25/10	17.79	10.27	7.52	<50°	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
<b>MW-9</b>											
04/20/07 <sup>1</sup>	18.42	10.39	8.03	1,100°	4,100	28	6.9	9.2	240	--	--
06/22/07	18.42	8.82	9.60	310°	500	4.4	<0.5	<0.5	12	--	--
08/17/07	18.42	8.67	9.75	92°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	18.42	8.40	10.02	470°	92	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	18.42	11.08	7.34	390°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/20/08	18.42	9.16	9.26	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.42	8.31	10.11	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/05/08	18.42	7.64	10.78	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.42	8.15	10.27	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.42	10.11	8.31	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.42	8.33	10.09	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.42	10.70	7.72	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-10</b>											
04/20/07 <sup>1</sup>	17.99	8.35	9.64	260°	1,200	29	31	11	140	--	--
06/22/07	17.99	8.29	9.70	110°	<50	1.5	<0.5	<0.5	<1.5	--	--
08/17/07	17.99	7.81	10.18	53°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	17.99	6.90	11.09	140°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	17.99	9.65	8.34	330°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/20/08	17.99	8.28	9.71	120°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	17.99	7.50	10.49	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/05/08	17.99	6.67	11.32	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (fL)	GWE (msf)	DTW (fL)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-10 (cont)</b>											
02/09/09	17.99	7.19	10.80	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	17.99	8.96	9.03	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	17.99	7.41	10.58	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	17.99	9.11	8.88	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-11</b>											
04/20/07 <sup>1</sup>	18.68	9.88	8.80	350°	77	<2.0	4.6	<0.5	3.2	--	--
06/22/07	18.68	9.35	9.33	140°	51	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	18.68	8.66	10.02	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	18.68	8.47	10.21	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	18.68	11.10	7.58	84°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/20/08	18.68	9.20	9.48	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.68	8.37	10.31	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/05/08	18.68	7.63	11.05	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.68	8.17	10.51	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.68	10.12	8.56	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.68	8.34	10.34	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.68	10.70	7.98	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-12</b>											
04/20/07 <sup>1</sup>	18.46	12.88	5.58	430°	400	2.3	40	14	49	--	--
06/22/07	18.46	7.75	10.71	390°	<50	0.7	1.1	<0.5	4.3	--	--
08/17/07	18.46	7.91	10.55	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	18.46	6.96	11.50	200°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	18.46	8.62	9.84	200°	51	0.9	<0.5	<0.5	<1.5	--	--
02/05/08	18.46	8.80	9.66	66°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.46	6.40	12.06	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/05/08	18.46	6.20	12.26	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.46	6.53	11.93	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.46	8.64	9.82	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.46	6.41	12.05	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.46	8.08	10.38	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-13</b>											
04/20/07 <sup>i</sup>	18.43	9.46	8.97	140°	650	16	23	7.5	61	--	--
06/22/07	18.43	8.99	9.44	400°	<50	0.6	0.9	<0.5	<1.5	--	--
08/17/07	18.43	8.53	9.90	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	18.43	8.37	10.06	350°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	18.43	10.85	7.58	57°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/20/08	18.43	8.99	9.44	100°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.43	8.18	10.25	78°	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/05/08	18.43	7.53	10.90	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.43	8.00	10.43	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.43	9.93	8.50	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.43	8.20	10.23	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.43	10.51	7.92	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-14</b>											
04/20/07 <sup>i</sup>	18.59	8.17	10.42	2,000°	16,000	550	1,600	620	2,400	--	--
06/22/07	18.59	7.55	11.04	1,300°	3,700	190	150	49	580	--	--
08/17/07	18.59	7.82	10.77	780°	2,600	74	54	11	220	--	--
11/16/07	18.59	7.58	11.01	690°	850	45	3.5	14	32	--	--
02/05/08	18.59	8.99	9.60	160°	450	16	2.7	7.6	3.0	--	--
05/20/08	18.59	7.69	10.90	120°	<50	0.7	<0.5	<0.5	<1.5	--	--
08/06/08	18.59	7.35	11.24	88°	<50	0.9	<0.5	<0.5	<1.5	--	--
12/05/08	18.59	6.83	11.76	<50°	100	1.7	0.5	<0.5	<1.5	--	--
02/09/09	18.59	7.11	11.48	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.59	8.01	10.58	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.59	7.48	11.11	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.59	8.72	9.87	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-15</b>											
04/20/07 <sup>i</sup>	18.38	9.78	8.60	720°	240	1.0	1.3	<0.5	20	--	--
06/22/07	18.38	9.09	9.29	150°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	18.38	8.65	9.73	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/16/07	18.38	8.41	9.97	140°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/05/08	18.38	10.97	7.41	52°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/20/08	18.38	9.12	9.26	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.38	8.30	10.08	190°	<50	<0.5	<0.5	<0.5	<1.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-15 (cont)</b>											
12/05/08	18.38	7.58	10.80	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.38	8.12	10.26	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.38	10.02	8.36	53°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.38	8.30	10.08	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.38	10.61	7.77	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-16</b>											
04/20/07 <sup>i</sup>	18.57	8.75	9.82	2,200°	15,000	87	1,200	500	2,000	--	--
06/22/07	18.57	8.20	10.37	2,100°	10,000	130	1,800	580	1,400	--	--
08/17/07	18.57	7.81	10.76	640°	8,200	110	1,400	280	730	--	--
11/16/07	18.57	7.54	11.03	370°	1,600	22	270	60	160	--	--
02/05/08	18.57	9.74	8.83	350°	930	2.6	15	9.3	18	--	--
05/20/08	18.57	8.26	10.31	79°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.57	7.49	11.08	74°	<50	<0.5	<0.5	0.6	<1.5	--	--
12/05/08	18.57	6.80	11.77	89°	<50	<0.5	<0.5	<0.5	<1.5	--	--
02/09/09	18.57	7.18	11.39	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.57	8.92	9.65	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.57	7.52	11.05	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.57	9.36	9.21	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
<b>MW-17</b>											
04/20/07 <sup>i</sup>	18.55	-0.95	19.50	1,300°	7,400	66	880	300	1,300	--	--
06/22/07	18.55	8.21	10.34	690°	2,000	35	27	9.3	360	--	--
08/17/07	18.55	2.33	16.22	240°	380	6.7	2.3	0.5	15	--	--
11/16/07	18.55	3.22	15.33	270°	190	4.0	4.0	1.5	27	--	--
02/05/08	18.55	4.94	13.61	460°	1,000	16	26	49	60	--	--
05/20/08	18.55	8.29	10.26	89°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/06/08	18.55	5.82	12.73	150°	180	2.5	2.0	2.8	1.5	--	--
12/05/08	18.55	6.62	11.93	120°	360	3.4	<2.0 <sup>y</sup>	0.7	<1.5	--	--
02/09/09	18.55	6.68	11.87	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
05/08/09	18.55	8.79	9.76	<50°	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/07/09	18.55	7.51	11.04	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
02/25/10	18.55	8.92	9.63	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--



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800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfw/ml)
AS-1 02/25/10 <sup>i</sup>	--	--	7.63	--	--	--	--	--	--	--	--
AS-2 02/25/10 <sup>i</sup>	--	--	8.05	--	--	--	--	--	--	--	--
AS-3 02/25/10 <sup>i</sup>	--	--	8.12	--	--	--	--	--	--	--	--
AS-4 02/25/10 <sup>i</sup>	--	--	7.98	--	--	--	--	--	--	--	--
AS-5 02/25/10 <sup>i</sup>	--	--	7.80	--	--	--	--	--	--	--	--
AS-6 02/25/10 <sup>i</sup>	--	--	8.04	--	--	--	--	--	--	--	--
AS-7 02/25/10 <sup>i</sup>	--	--	8.01	--	--	--	--	--	--	--	--
AS-8 02/25/10 <sup>i</sup>	--	--	7.94	--	--	--	--	--	--	--	--
MW-1 10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4,800	26,000	--	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3,500	470	2,100	<250	--
04/24/97	15.64	7.30	8.34	--	76,000	4,600	16,000	1,600	8,300	1,000	--
07/23/97	15.64	5.90	9.74	--	37,000	2,700	8,000	870	6,100	<250	--
10/29/97	15.64	INACCESSIBLE		--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (fL)	GWE (msl)	DTW (fL)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>MW-1 (cont)</b>											
01/28/98	15.64	9.30	6.34	--	10,000	380	2,000	300	1,500	<25	--
05/11/98	15.64	8.72	6.92	--	17,000	880	3,100	380	2,300	<250	--
07/16/98	15.64	7.23	8.41	--	29,000	2,700	6,800	890	3,900	<1,000	--
08/04/98 <sup>a</sup>	15.64	6.90	8.74	--	--	--	--	--	--	--	<1.0 x 10 <sup>1</sup>
09/03/98 <sup>a</sup>	15.64	6.43	9.21	--	--	--	--	--	--	--	4.1 x 10 <sup>3</sup>
10/21/98 <sup>b</sup>	15.64	5.59	10.05	--	--	--	--	--	--	--	4.7 x 10 <sup>2</sup>
11/04/98	15.64	5.64	10.00	--	25,000	1,900	5,900	810	4,300	<125	--
01/26/99	15.64	6.86	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.64	8.17	7.47	--	8,050	515	1,840	256	1,190	300/<20 <sup>c</sup>	--
08/21/99	15.64	13.27	2.37	--	46,500	2,530	8,700	1,010	5,300	<1,250/<40 <sup>c</sup>	--
10/28/99	15.64	5.46	10.18	--	31,600	1,580	6,100	794	4,400	1,270	--
01/31/00	15.64	7.49	8.15	--	7,270	366	1,280	171	935	<12.5	--
05/19/00	15.64	7.78	7.86	--	8,000 <sup>e</sup>	870	1,200	430	1,200	<250	--
08/07/00	15.64	6.42	9.22	--	37,000 <sup>e</sup>	2,400	8,500	1,100	5,500	1,500/<4.0 <sup>f</sup>	--
12/01/00	15.64	5.25	10.39	--	25,500 <sup>g</sup>	1,390	4,920	801	4,330	<500/<10 <sup>f</sup>	--
02/09/01	15.64	6.10	9.54	--	8,900 <sup>e</sup>	850	1,300	470	1,700	820/<2.0 <sup>f</sup>	--
05/29/01	15.64	6.79	8.85	--	24,000 <sup>e</sup>	1,800	5,600	740	3,700	<250/<2.0 <sup>f</sup>	--
08/27/01 <sup>h</sup>	15.64	5.83	9.81	--	27,000	1,400	4,400	710	3,400	<20 <sup>f</sup>	--
11/28/01	15.64	5.84	9.80	--	26,000	1,300	3,900	620	3,400	<100/<2 <sup>f</sup>	--
02/14/02	15.63	8.34	7.29	--	1,400	100	360	45	240	9.3/<2 <sup>f</sup>	--
05/15/02	15.63	7.18	8.45	--	37,000	2,400	7,300	1,000	4,800	<100/<3.0 <sup>f</sup>	--
08/05/02	15.63	6.09	9.54	--	27,000	1,500	4,600	700	3,400	<100/<3.0 <sup>f</sup>	--
DESTROYED											
<b>TRIP BLANK</b>											
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/26/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
01/31/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
<b>TRIP BLANK (cont)</b>											
05/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/07/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/01/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
02/09/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/29/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/27/01 <sup>h</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0 <sup>f</sup>	--
<b>QA</b>											
11/28/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/02/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/02/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/21/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/27/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/31/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/17/04	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/28/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/09/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/19/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/18/05	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/07/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/17/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/30/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/28/06	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/06/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/20/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/02/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
06/22/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/17/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
11/16/07	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/05/08	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/29/08	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/20/08	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Former Chevron (Signal Oil) Service Station #206145 (S-800)  
 800 Center Street  
 Oakland, California

WELL ID/ DATE	TOC* (fl)	GWE (msl)	DTW (fl)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	CUB (cfu/ml)
QA (cont)											
08/06/08	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
12/05/08	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/09/09	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/08/09	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/07/09	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
02/25/10	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Former Chevron (Signal Oil) Service Station #206145 (S-800)  
 800 Center Street  
 Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to May 19, 2000 were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing  
 (ft.) = Feet

GWE = Groundwater Elevation  
 (msl) = Mean sea level

DTW = Depth to Water

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH = Total Petroleum Hydrocarbons

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl Tertiary Butyl Ether

CUB = Contaminate utilizing bacteria

(cfu/ml) = Colony forming unit per milliliter

(µg/L) = Micrograms per liter

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

- \* TOC elevations were surveyed on May 30, 2007, by Morrow Surveying. Vertical Datum is NAVD 88 from GPS observations. Gettler-Ryan received updated TOC data March 12, 2007. Vertical Datum is NAVD 88 from GPS observations. TOC elevations were surveyed on August 17, 2005, by Morrow Surveying. On February 18, 2003, MW-1A was surveyed using the previous benchmark. TOC elevations were surveyed on December March 4, 2002, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, #25-H monument disk in well casting in sidewalk at the northwest corner of 7th and Center. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83), (Benchmark Elevation = 10.784 feet NGVD 29).
- <sup>a</sup> Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.
- <sup>b</sup> Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.
- <sup>c</sup> Confirmation run.
- <sup>d</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>e</sup> Laboratory report indicates gasoline C6-C12.
- <sup>f</sup> MTBE by EPA Method 8260.
- <sup>g</sup> Laboratory reports indicates weathered gasoline C6-C12.
- <sup>h</sup> TPH-G and BTEX by EPA Method 8260.
- <sup>i</sup> Well development performed.
- <sup>j</sup> TPH-D was detected at 130 ppb.
- <sup>k</sup> TPH-D was <50 ppb.
- <sup>l</sup> Well re-development performed.
- <sup>m</sup> Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- <sup>n</sup> TOC damaged; unable to calculate an accurate GWE.
- <sup>o</sup> Analyzed with silica gel clean-up.
- <sup>p</sup> Laboratory report indicates analysis performed out of hold time.
- <sup>q</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- <sup>r</sup> Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

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**EXPLANATIONS:**

- <sup>s</sup> Laboratory report indicates the analysis was performed from a previously opened vial and the results are therefore estimated.
- <sup>t</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range, and individual peaks eluting in the DRO range.
- <sup>u</sup> Laboratory confirmed result.
- <sup>v</sup> Current laboratory analytical results do not coincide with historical data and although laboratory results were confirmed; it appears that the samples were switched.
- <sup>w</sup> Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
- <sup>x</sup> Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for total xylenes. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
- <sup>y</sup> Laboratory report indicates that due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
- <sup>z</sup> Laboratory report indicates DRO was detected in the method blank at a concentration of 50 µg/L. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.
- <sup>aa</sup> Laboratory report indicates the ending calibration check standard did not meet the 15% criteria for the original analysis. The sample was reanalyzed from the vial with headspace and the result was <50 µg/L.

**Table 2**  
**Field Measurements and Analytical Results**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

<b>WELL ID/ DATE</b>	<b>Pre-purge DO (mg/L)</b>	<b>Post-purge D.O. (mg/L)</b>	<b>Pre-purge ORP (mV)</b>	<b>Post-purge ORP (mV)</b>	<b>Total Alkalinity (µg/L)</b>	<b>Ferrous Iron (µg/L)</b>	<b>Nitrate as Nitrate (µg/L)</b>	<b>Sulfate (µg/L)</b>
<b>MW-1</b> 09/03/98	2.3	1.6	-90	-103	230,000	9,800	<1,000	6,100
<b>MW-2</b> 09/03/98	2.8	2.5	-206	-163	390,000	7,400	<1,000	21,000
<b>MW-3</b> 09/03/98	3.1	0.7	-124	-99	830,000	45,000	<1,000	10,000
<b>MW-4</b> 09/03/98	2.6	1.1	-190	-206	--	--	--	--
<b>MW-6</b> 09/03/98	2.6	3.2	-148	-167	94,000	62	28,000	47,000
<b>MW-7</b> 09/03/98	2.7	3.2	-207	-229	170,000	120	7,800	57,000

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

D.O. = Dissolved Oxygen

(mg/L) = Milligram per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

(µg/L) = Micrograms per liter

-- = Not Analyzed

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID	DATE	METHANOL (mg/L)	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	08/07/00	--	<1,000	410	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	12/01/00	--	<2,500	<250	<10	<10	<10	<10	<10	<10
	02/09/01	--	<500	340	<2.0	<2.0	<2.0	53	<2.0	<2.0
	05/29/01	--	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	<2,000	<200	230	<20	<20	<20	<20	<20	<20
	11/28/01	--	<500	130	<2	<2	<2	<2	<2	<2
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	05/15/02	--	<500	120	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
	08/05/02	--	<500	100	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
DESTROYED										
MW-2	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
MW-3	08/07/00	--	<500	2,600	<10	<10	<10	<10	490	17
	02/09/01	--	<500	2,000	<2.0	<2.0	<2.0	35	<2.0	<2.0
	05/29/01	--	<500	1,700 <sup>1</sup>	<2.0	<2.0	<2.0	38	980 <sup>1</sup>	7.4
	08/27/01	<5,000	<250	1,300	<25	<25	<25	<25	380	<25
	11/28/01	--	<500	1,500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	05/15/02	--	<500	110	<2	<2	<2	<2	120	<2
	08/05/02	--	<1,000	1,400	<10	<10	<10	<10	670	<10
	11/30/02	--	<1,000	1,200	<10	<10	<10	<10	380	<10
MW-4	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	18	<2.0
	08/27/01	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
	11/28/01	DRY				--	--	--	--	--
	02/14/02	--	<500	<100	<2	<2	<2	<2	9	<2
	05/15/02	--	<500	<100	<2	<2	<2	<2	4	<2
	08/05/02	DRY				--	--	--	--	--
	11/30/02	DRY				--	--	--	--	--
MW-5	12/01/00	--	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	02/09/01	--	<500	<50	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--
	11/28/01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2



**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron (Signal Oil) Service Station #206145 (S-800)  
800 Center Street  
Oakland, California

WELL ID	DATE	METHANOL (mg/L)	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-5 (cont)	05/15/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	08/05/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	11/30/02	--	<500	<100	<2	<2	<2	<2	<2	<2
MW-6	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
	11/30/02	DRY	--	--	--	--	--	--	--	--
MW-7	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
MW-8	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2

**EXPLANATIONS:**

TBA = t-Butyl alcohol  
MTBE = Methyl Tertiary Butyl Ether  
DIPE = Di-Isopropyl ether  
ETBE = Ethyl t-butyl ether  
TAME = t-Amyl methyl ether

1,2-DCA = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
(mg/L) = milligrams per liter  
(µg/L) = Micrograms per liter  
-- = Not Analyzed

**ANALYTICAL METHODS:**

EPA Method 8260 (modified) for Methanol  
EPA Method 8260 for Oxygenate Compounds

<sup>1</sup> Laboratory report indicates this sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

## STANDARD OPERATING PROCEDURE –WELL DEVELOPMENT GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to well development, each well is monitored for the presence of free-phase hydrocarbons and the depth to water is recorded. Wells are then developed by alternately surging the well with the bailer, then purging the well with a pump to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-1A  
 Well Diameter: 2 in.  
 Total Depth: 16.72 ft.  
 Depth to Water: 7.08 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.64 xVF .17 = 1.64 x3 case volume = Estimated Purge Volume: 5 gal.

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump 2  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1043 Weather Conditions: Clear  
 Sample Time/Date: 1110 1 2-25-10 Water Color: Tur Odor: Y (N)  
 Approx. Flow Rate: 2 gpm. Sediment Description: 1043  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 8.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>1049</u>	<u>1.5</u>	<u>6.98</u>	<u>691</u>	<u>18.0</u>	<u>Pre: 1.7</u>	
<u>1054</u>	<u>3</u>	<u>6.93</u>	<u>683</u>	<u>17.6</u>		
<u>1059</u>	<u>5</u>	<u>6.87</u>	<u>678</u>	<u>16.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1A</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
	<u>2</u> 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

M/L/n/2



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-2  
 Well Diameter: 2 in.  
 Total Depth: 13.47 ft.  
 Depth to Water: 7.86 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.98  
 Check if water column is less than 0.50 ft.  
 xVF 0.17 = 0.95 x3 case volume = Estimated Purge Volume: 3.0 gal.

Purge Equipment:  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1250 Weather Conditions: Sunny  
 Sample Time/Date: 1310 / 2-25-10 Water Color: dark Odor: ON / Slight  
 Approx. Flow Rate: ✓ gpm. Sediment Description: moderat  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 8.47

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1253</u>	<u>1.0</u>	<u>7.16</u>	<u>982</u>	<u>16.6</u>	<u>1.6</u>	
<u>1256</u>	<u>2.0</u>	<u>6.65</u>	<u>841</u>	<u>16.4</u>		
<u>1300</u>	<u>3.0</u>	<u>6.50</u>	<u>790</u>	<u>16.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-3  
 Well Diameter: 2 in.  
 Total Depth: 14.01 ft.  
 Depth to Water: 7.50 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.80  
 $6.51 \times VF .17 = 1.10$  x3 case volume = Estimated Purge Volume: 3.5 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1400 Weather Conditions: Sunny  
 Sample Time/Date: 1430 / 2-25-10 Water Color: Cloudy Odor: Oil / Strong  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Cloudy  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 8.80

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm US)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1405</u>	<u>1.0</u>	<u>6.68</u>	<u>912</u>	<u>17.4</u>	<u>1.4</u>	
<u>1410</u>	<u>2.0</u>	<u>6.74</u>	<u>1024</u>	<u>17.9</u>		
<u>1415</u>	<u>3.5</u>	<u>6.92</u>	<u>1096</u>	<u>18.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-4 Date Monitored: 2-25-10  
 Well Diameter: 2 in.  
 Total Depth: 13.37 ft.  
 Depth to Water: 6.61 ft.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.  
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.96  
 xVF 0.17 = 1.15 x3 case volume = Estimated Purge Volume: 3.5 gal.

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1320 Weather Conditions: Sunny  
 Sample Time/Date: 1345 / 2-25-10 Water Color: Cloudy Odor: DN Moderate  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Cloudy  
 Did well de-water?  If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 7.81

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1324</u>	<u>1.0</u>	<u>6.62</u>	<u>511</u>	<u>16.6</u>	<u>1.5</u>	
<u>1327</u>	<u>2.0</u>	<u>6.67</u>	<u>523</u>	<u>17.1</u>		
<u>1331</u>	<u>3.5</u>	<u>6.74</u>	<u>570</u>	<u>17.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/s (8015)

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-5 Date Monitored: 2-25-10  
 Well Diameter: 2 in.  
 Total Depth: 19.38 ft.  
 Depth to Water: 6.92 ft.  Check if water column is less than 0.50 ft.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.41  
 $12.46 \times VF = 0.17 = 2.12 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 6.5 \text{ gal.}$

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0956 Weather Conditions: Clear  
 Sample Time/Date: 1025 / 2-25-10 Water Color: Clear Odor: Y / (N)  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: None  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 7.82

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1000</u>	<u>2</u>	<u>6.93</u>	<u>532</u>	<u>16.8</u>	<u>pre: 2.4</u>	
<u>1005</u>	<u>4</u>	<u>6.72</u>	<u>537</u>	<u>17.2</u>		
<u>1011</u>	<u>6.5</u>	<u>6.67</u>	<u>541</u>	<u>17.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x vov vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	x vov vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

COMMENTS: m/8" / 2 252

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW6  
 Well Diameter: 2 in.  
 Total Depth: 15.17 ft.  
 Depth to Water: 6.75 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.43  
 $8.42 \times VF .17 = 1.43 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 4.5 \text{ gal.}$

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ←  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0916 Weather Conditions: Clear  
 Sample Time/Date: 0940 / 2-25-10 Water Color: cloudy Odor: Y / N  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: light  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 7.53

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>DS</u> )	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0920</u>	<u>1.5</u>	<u>6.83</u>	<u>427</u>	<u>16.9</u>	<u>PRE 2.2</u>	
<u>0925</u>	<u>3</u>	<u>6.74</u>	<u>431</u>	<u>17.3</u>		
<u>0930</u>	<u>4.5</u>	<u>7.03</u>	<u>436</u>	<u>17.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	<u>2</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-7  
 Well Diameter: 2 in.  
 Total Depth: 15.91 ft.  
 Depth to Water: 8.42 ft.  
7.49 xVF 0.17 = 1.27

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.92 gal.

Purge Equipment:  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0835 Weather Conditions: Cloudy  
 Sample Time/Date: 0900 / 2-25-10 Water Color: Cloudy Odor: Y / 0  
 Approx. Flow Rate: 7 gpm. Sediment Description: Cloudy  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 9.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm / µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0840</u>	<u>1.5</u>	<u>6.94</u>	<u>541</u>	<u>13.6</u>	<u>1.7</u>	
<u>0845</u>	<u>3.0</u>	<u>6.91</u>	<u>549</u>	<u>14.1</u>		
<u>0850</u>	<u>4.0</u>	<u>6.88</u>	<u>553</u>	<u>14.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

### COMMENTS:

Add/Replaced Lock:  Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-8  
 Well Diameter: 2 in.  
 Total Depth: 20.06 ft.  
 Depth to Water: 7.52 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.54 xVF .17 = 2.13 x3 case volume = Estimated Purge Volume: 6.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.03

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0833 Weather Conditions: Cloudy  
 Sample Time/Date: 0905 / 2-25-10 Water Color: Clear Odor: Y (N)  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 119  
 Did well de-water? Y If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 8.53

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0840</u>	<u>2</u>	<u>6.93</u>	<u>102</u>	<u>16.5</u>	<u>pre: 1.9</u>	
<u>0845</u>	<u>4</u>	<u>6.87</u>	<u>113</u>	<u>16.7</u>		
<u>0851</u>	<u>6.5</u>	<u>6.83</u>	<u>119</u>	<u>16.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-9  
 Well Diameter: 2 in.  
 Total Depth: 38.34 ft.  
 Depth to Water: 7.72 ft.

Date Monitored: 2-25-10

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): 13.84  
 $30.62 \times VF .17 = 5.21 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 16 \text{ gal.}$

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump X  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.  
 Hydrocarbon Thickness: \_\_\_\_\_ ft.  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1432 Weather Conditions: Clear  
 Sample Time/Date: 1510 12-25-10 Water Color: clear Odor: Y1  
 Approx. Flow Rate: 2 gpm. Sediment Description: light  
 Did well de-water? yes If yes, Time: 1440 Volume: 13 gal. DTW @ Sampling: 12.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1435</u>	<u>6</u>	<u>6.83</u>	<u>266</u>	<u>17.6</u>	<u>pre. 2.3</u>	
<u>1438</u>	<u>12</u>	<u>6.78</u>	<u>243</u>	<u>17.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	<u>2</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

*final 12/17*



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-10  
 Well Diameter: 2 in.  
 Total Depth: 57.54 ft.  
 Depth to Water: 8.88 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.62  
 $48.66 \times VF .17 = 8.27 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 25 \text{ gal. } (14)$

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump X \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1339 Weather Conditions: Clear  
 Sample Time/Date: 1415 2-25-10 Water Color: Clear Odor: Y (N)  
 Approx. Flow Rate: 2 gpm. Sediment Description: light  
 Did well de-water? yes If yes, Time: 1347 Volume: 14 gal. DTW @ Sampling: 18.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>1343</u>	<u>8</u>	<u>6.79</u>	<u>349</u>	<u>17.6</u>	<u>pre: 2.5</u>	
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-10</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

*Good luck & safe*



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-11  
 Well Diameter: 2 in.  
 Total Depth: 38.77 ft.  
 Depth to Water: 7.98 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.14  
 xVF .17 = 5.23 x3 case volume = Estimated Purge Volume: 16.0 gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump  \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer  \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0910 Weather Conditions: Cloudy  
 Sample Time/Date: 0930 / 2-25-10 Water Color: Cloudy Odor: Y16  
 Approx. Flow Rate: 2.0 gpm. Sediment Description: Cloudy  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 13.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (PS)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>0913</u>	<u>5.0</u>	<u>7.14</u>	<u>447</u>	<u>16.4</u>	<u>1.5</u>	
<u>0916</u>	<u>10.0</u>	<u>6.80</u>	<u>460</u>	<u>17.0</u>		
<u>0920</u>	<u>16.0</u>	<u>6.68</u>	<u>463</u>	<u>17.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
					<u>TPH-DRO w/sg (8015)</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-12  
 Well Diameter: 2 in.  
 Total Depth: 55.94 ft.  
 Depth to Water: 10.34 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.  
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.49  
 xVF .17 = 7.74 x3 case volume = Estimated Purge Volume: 23.5 gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump /  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer /  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0940 Weather Conditions: Sunny  
 Sample Time/Date: 1020 / 2-25-10 Water Color: Cloudy Odor: Y / N  
 Approx. Flow Rate: 1-2 gpm. Sediment Description: Moderate  
 Did well de-water? Y If yes, Time: 0946 Volume: ~10.0 gal. DTW @ Sampling: 19.49

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25°C)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)
<u>0944</u>	<u>8.0</u>	<u>7.10</u>	<u>706</u>	<u>19.1</u>	<u>1.1</u>	
<u>0953</u>	<u>16.0</u>	<u>7.63</u>	<u>661</u>	<u>18.1</u>		
<u>1005</u>	<u>24.0</u>	<u>7.64</u>	<u>657</u>	<u>18.1</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-12</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sq (8015)</u>

COMMENTS: Extra time needed for recovery during purging.

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-13

Date Monitored: 2-25-10

Well Diameter: 2 in.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Total Depth: 39.29 ft.

Depth to Water: 7.92 ft.

Check if water column is less than 0.50 ft.

31.37 x VF .17 = 5.33 x3 case volume = Estimated Purge Volume: 16 gal. (14)

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.19

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump X  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer X  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1124 Weather Conditions: Clear  
 Sample Time/Date: 1210 / 2-25-10 Water Color: Clear Odor: Y (N)  
 Approx. Flow Rate: 2 gpm. Sediment Description: light  
 Did well de-water? YES If yes, Time: 1145 Volume: 14 gal. DTW @ Sampling: 9.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)
<u>1137</u>	<u>6</u>	<u>6.83</u>	<u>537</u>	<u>16.8</u>	<u>pre-2-7</u>	
<u>1141</u>	<u>12</u>	<u>6.92</u>	<u>542</u>	<u>16.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	<u>23</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	x500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: SH

Well ID: MW-14  
 Well Diameter: 2 in.  
 Total Depth: 56.48 ft.  
 Depth to Water: 9.87 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.19  
 $46.61 \times VF .17 = 8$  x3 case volume = Estimated Purge Volume: 24 gal. 13

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump X  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer X  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1232 Weather Conditions: Clear  
 Sample Time/Date: 1320 / 2-25-10 Water Color: Clear Odor: YIN  
 Approx. Flow Rate: 2 gpm. Sediment Description: light  
 Did well de-water? yes If yes, Time: 1245 Volume: 13 gal. DTW @ Sampling: 18.39

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm / µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1236</u>	<u>8</u>	<u>6.99</u>	<u>431</u>	<u>17.3</u>	<u>ppb: 25</u>	

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-14</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-GRO(8015)/BTEX(8021)
					TPH-DRO w/sg (8015)

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-15  
 Well Diameter: 2 in.  
 Total Depth: 35.18 ft.  
 Depth to Water: 7.77 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.25  
 $27.41 \times VF .17 = 4.66 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 14.0 \text{ gal.}$

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer /  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1050 Weather Conditions: Cloudy / Sunny  
 Sample Time/Date: 1056 / 2-25-10 Water Color: Clear Odor: Y  
 Approx. Flow Rate: 2.0 gpm. Sediment Description: Clear  
 Did well de-water? N If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 11.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1053</u>	<u>5.0</u>	<u>7.54</u>	<u>366</u>	<u>18.5</u>	<u>2.0</u>	
<u>1056</u>	<u>10.0</u>	<u>6.83</u>	<u>370</u>	<u>18.1</u>		
<u>1059</u>	<u>14.0</u>	<u>6.62</u>	<u>373</u>	<u>18.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8021)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8021)
	<u>2x</u> 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sg (8015)

### COMMENTS:

Add/Replaced Lock: ✓ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-16  
 Well Diameter: 2 in.  
 Total Depth: 56.90 ft.  
 Depth to Water: 9.21 ft.

Date Monitored: 2-25-10

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.75  
 $47.69 \times VF .17 = 8.10$  x3 case volume = Estimated Purge Volume: 24.5 gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump ✓  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1125 Weather Conditions: Sunny  
 Sample Time/Date: 1150 / 2-25-10 Water Color: Clear Odor: Y / 0  
 Approx. Flow Rate: 2.0 gpm. Sediment Description: Clear  
 Did well de-water? ✓ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 17.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1129</u>	<u>8.0</u>	<u>7.04</u>	<u>560</u>	<u>17.4</u>	<u>1.4</u>	
<u>1133</u>	<u>16.0</u>	<u>7.22</u>	<u>577</u>	<u>17.9</u>		
<u>1138</u>	<u>24.5</u>	<u>7.27</u>	<u>562</u>	<u>18.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-16</u>	<u>1</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2-25-10 (inclusive)  
 City: Oakland, CA Sampler: AW

Well ID: MW-17  
 Well Diameter: 2 in.  
 Total Depth: 71.24 ft.  
 Depth to Water: 9.63 ft.

Date Monitored: 2-25-10

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.95 x3 case volume = Estimated Purge Volume: 31.5 gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump /  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer /  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1200 Weather Conditions: Sunny  
 Sample Time/Date: 1240 / 2-25-10 Water Color: Clear Odor: Y  
 Approx. Flow Rate: 1-2.0 gpm. Sediment Description: Clear  
 Did well de-water? Y If yes, Time: 1207 Volume: ~120 gal. DTW @ Sampling: 21.95

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 25)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1206</u>	<u>10.5</u>	<u>7.49</u>	<u>1053</u>	<u>17.4</u>	<u>2.1</u>	
<u>1212</u>	<u>21.0</u>	<u>7.76</u>	<u>1025</u>	<u>17.8</u>		
<u>1225</u>	<u>31.5</u>	<u>7.81</u>	<u>1019</u>	<u>18.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8021)</u>
	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX(8021)</u>
	<u>2</u> x 500ml ambers	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-DRO w/sg (8015)</u>

COMMENTS: Extra time to recover during purging

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job Number: 386492  
 Event Date: 2/25/10 (inclusive)  
 Sampler: JH

Well ID: AS-1  
 Well Diameter: 2 in.  
 Initial Total Depth: 19.95 ft.  
 Final Total Depth: 19.95 ft.  
 Depth to Water: 7.63 ft.

Date Monitored: 2/25/10

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

12.32 xVF -17 = 2.09 x10 case volume = Estimated Purge Volume: 20.94 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.09

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0815  
 Sample Time/Date: 2/25/10  
 Approx. Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? Yes If yes, Time: 0852 Volume: 7 gal.

Weather Conditions: cloudy  
 Water Color: cloudy Odor: Y10  
 Sediment Description: 1.5 H<sub>2</sub>O  
 DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 65)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0835</u>	<u>2</u>	<u>7.64</u>	<u>816</u>	<u>17.6</u>		
<u>0845</u>	<u>4</u>	<u>7.62</u>	<u>819</u>	<u>17.4</u>		
<u>0851</u>	<u>6</u>	<u>7.57</u>	<u>827</u>	<u>17.3</u>		
<u>0916</u>	<u>8</u>	<u>7.45</u>	<u>830</u>	<u>17.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY Well De-watered 2nd time at 0917 - 9 Gallons.  
Hept Bottom.

Add/Replaced Lock: X Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2/25/10 (inclusive)  
 City: Oakland, CA Sampler: JD

Well ID: AS-2 Date Monitored: 2/25/10

Well Diameter: 2 in.

Initial Total Depth: 20.08 ft.

Final Total Depth: 20.08 ft.

Depth to Water: 8.05 ft.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

12.03 xVF .17 = 2.04 x10 case volume = Estimated Purge Volume: 20.45 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.45

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0925 Weather Conditions: cloudy  
 Sample Time/Date: - / - Water Color: cloudy Odor: Y10  
 Approx. Flow Rate: - gpm. Sediment Description: light  
 Did well de-water? Yes If yes, Time: 0959 Volume: 7 gal. DTW @ Sampling: ←

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>NS</u> )	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0940</u>	<u>2</u>	<u>7.09</u>	<u>704</u>	<u>17.0</u>		
<u>0947</u>	<u>4</u>	<u>6.98</u>	<u>720</u>	<u>17.1</u>		
<u>0953</u>	<u>6</u>	<u>6.96</u>	<u>717</u>	<u>17.0</u>		
<u>1008</u>	<u>8</u>	<u>6.98</u>	<u>721</u>	<u>16.9</u>		
<u>1014</u>	<u>10</u>	<u>6.94</u>	<u>730</u>	<u>16.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY well De watered 2nd time 1015 at 11 Cells Hand Bottom.

Add/Replaced Lock: X Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job Number: 386492  
 Event Date: 2/25/10 (inclusive)  
 Sampler: JH

Well ID: AS-3  
 Well Diameter: 2 in.  
 Initial Total Depth: 20.10 ft.  
 Final Total Depth: 20.10 ft.  
 Depth to Water: 8.12 ft.  
11.98 xVF .17 = 2.03

Date Monitored: 2/25/10

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

x10 case volume = Estimated Purge Volume: 20.36 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.51

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1025  
 Sample Time/Date: 1  
 Approx. Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? Yes If yes, Time: 1051

Weather Conditions: cloudy  
 Water Color: cloudy Odor: Y10  
 Sediment Description: 1.0/10  
 Volume: 7 gal. DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1035</u>	<u>2</u>	<u>7.61</u>	<u>847</u>	<u>18.2</u>		
<u>1045</u>	<u>4</u>	<u>7.29</u>	<u>901</u>	<u>18.1</u>		
<u>1050</u>	<u>6</u>	<u>7.30</u>	<u>930</u>	<u>17.9</u>		
<u>1105</u>	<u>8</u>	<u>7.15</u>	<u>922</u>	<u>18.4</u>		
<u>1110</u>	<u>10</u>	<u>7.16</u>	<u>915</u>	<u>18.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY Well De-watered 2nd time at 1111 at 11 Gallons  
Hard Bottom

Add/Replaced Lock: X Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job Number: 386492  
 Event Date: 2/25/10 (inclusive)  
 Sampler: JH

Well ID: AS-4

Date Monitored: 2/25/10

Well Diameter: 2 in.

Initial Total Depth: 20.10 ft.

Final Total Depth: 20.10 ft.

Depth to Water: 7.98 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

12.12 xVF .17 = 2.06 x10 case volume = Estimated Purge Volume: 20.60 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.40

**Purge Equipment:**

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): 1120

Weather Conditions: cloudy

Sample Time/Date: - / -

Water Color: cloudy Odor: Y 100

Approx. Flow Rate: - gpm.

Sediment Description: Heavy

Did well de-water? Yes If yes, Time: 1146 Volume: 7 gal. DTW @ Sampling: -

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm - <u>MS</u> )	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1135</u>	<u>2</u>	<u>7.52</u>	<u>906</u>	<u>18.2</u>		
<u>1140</u>	<u>4</u>	<u>7.48</u>	<u>930</u>	<u>18.1</u>		
<u>1145</u>	<u>6</u>	<u>7.40</u>	<u>931</u>	<u>18.0</u>		
<u>1200</u>	<u>8</u>	<u>7.43</u>	<u>952</u>	<u>18.4</u>		
<u>1204</u>	<u>10</u>	<u>7.46</u>	<u>957</u>	<u>18.2</u>		

**LABORATORY INFORMATION**

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY Well De-watered 2nd time 1205 at 11 gallons  
Hard Bottom

Add/Replaced Lock: X Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2/25/10 (inclusive)  
 City: Oakland, CA Sampler: JH

Well ID: AS-5  
 Well Diameter: 2 in.  
 Initial Total Depth: 20.11 ft.  
 Final Total Depth: 20.11 ft.  
 Depth to Water: 7.80 ft.

Date Monitored: 2/25/10

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

12.31 xVF .17 = 2.09 x10 case volume = Estimated Purge Volume: 20.92 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.26

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1215 Weather Conditions: clear  
 Sample Time/Date: 1-21 Water Color: clear Odor: Y 10  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.5 lb  
 Did well de-water? Yes If yes, Time: 1253 Volume: 7 gal. DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>US</u> )	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1230</u>	<u>2</u>	<u>7.39</u>	<u>622</u>	<u>17.4</u>		
<u>1235</u>	<u>4</u>	<u>7.27</u>	<u>649</u>	<u>17.9</u>		
<u>1240</u>	<u>6</u>	<u>7.20</u>	<u>680</u>	<u>18.1</u>		
<u>1244</u>	<u>8</u>	<u>7.28</u>	<u>691</u>	<u>18.4</u>		
<u>1248</u>	<u>10</u>	<u>7.31</u>	<u>704</u>	<u>18.3</u>		
<u>1252</u>	<u>12</u>	<u>7.36</u>	<u>690</u>	<u>18.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY Well De-watered 2nd time at 1253 - 13 gallons  
Hon L B. Thom

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145  
 Site Address: 800 Center Street  
 City: Oakland, CA

Job Number: 386492  
 Event Date: 2/25/10 (inclusive)  
 Sampler: JD

Well ID: AS-6  
 Well Diameter: 2 in.  
 Initial Total Depth: 19.95 ft.  
 Final Total Depth: 19.95 ft.  
 Depth to Water: 8.04 ft.  
11.91 xVF .17 = 2.02

Date Monitored: 2/25/10

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

x10 case volume = Estimated Purge Volume: 20.24 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.42

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1310

Weather Conditions: cloudy

Sample Time/Date: 1321

Water Color: cloudy Odor: Y/N

Approx. Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: 1.5 ft

Did well de-water? Yes If yes, Time: 1334 Volume: 9 gal. DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1320	2	7.4	952	17.9		
1323	4	7.49	983	17.6		
1327	6	7.52	1022	17.4		
1332	8	7.55	1037	17.2		
1345	10	7.53	1061	17.5		
1350	12	7.29	1041	17.7		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY - well Dewatered 2nd time at 1351 - 1360 hrs

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2/25/10 (inclusive)  
 City: Oakland, CA Sampler: JH

Well ID: AS-7  
 Well Diameter: 2 in.  
 Initial Total Depth: 20.10 ft.  
 Final Total Depth: 20.10 ft.  
 Depth to Water: 8.01 ft.  
12.09 xVF .17 = 2.05

Date Monitored: 2/25/10

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

x10 case volume = Estimated Purge Volume: 20.55 gal.

Depth to Water w/ 80% Recharge ((Height of Water Column x 0.20) + DTW): 10.42

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1405 Weather Conditions: Clear  
 Sample Time/Date: — 1-21 Water Color: clear Odor: Y 10  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.5 ft  
 Did well de-water? Yes If yes, Time: 5 Volume: 1421 gal. DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1415</u>	<u>2</u>	<u>7.38</u>	<u>922</u>	<u>18.4</u>		
<u>1420</u>	<u>4</u>	<u>7.37</u>	<u>961</u>	<u>18.4</u>		
<u>1430</u>	<u>6</u>	<u>7.32</u>	<u>940</u>	<u>18.2</u>		
<u>1434</u>	<u>8</u>	<u>7.31</u>	<u>943</u>	<u>18.1</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY well De-watered 2nd time 9 bottles - 1435  
Hard Bottom

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 2/25/10 (inclusive)  
 City: Oakland, CA Sampler: JH

Well ID: AS-8  
 Well Diameter: 2 in.  
 Initial Total Depth: 20.08 ft.  
 Final Total Depth: 20.08 ft.  
 Depth to Water: 7.94 ft.  
12.14 xVF .17 = 2.06

Date Monitored: 2/25/10

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

x10 case volume = Estimated Purge Volume: 20.60 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.36

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer X  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1445 Weather Conditions: cloudy  
 Sample Time/Date: 1/3/10 Water Color: cloudy Odor: Y10  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.5 Hr  
 Did well de-water? Yes If yes, Time: 1566 Volume: 7 gal. DTW @ Sampling: \_\_\_\_\_

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 15)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>1455</u>	<u>2</u>	<u>7.09</u>	<u>755</u>	<u>18.8</u>		
<u>1500</u>	<u>4</u>	<u>7.05</u>	<u>752</u>	<u>18.7</u>		
<u>1505</u>	<u>6</u>	<u>7.01</u>	<u>749</u>	<u>18.5</u>		
<u>1520</u>	<u>8</u>	<u>6.94</u>	<u>748</u>	<u>18.3</u>		
<u>1524</u>	<u>10</u>	<u>6.93</u>	<u>742</u>	<u>18.3</u>		
<u>1527</u>	<u>12</u>	<u>6.91</u>	<u>740</u>	<u>18.1</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: DEVELOP ONLY well Dewatered 2nd time at 1528 13 gallons

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

# Chevron California Region Analysis Request/Chain of Custody



AMENDED

For Lancaster Laboratories use only  
 Acct. #: 10904 Sample # 5916231-48 Group #: 017631

Group# 1184031

Facility #: <u>SS#206145-DML G-R#386492 GIBBAND#T0800102230</u> Site Address: <u>800 CENTER STREET, OAKLAND, CA</u> Site Address 2: <u>CRACE</u> Chevron PM: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u> Consultant/Office: <u>Lead Consultant: Deanna L. Harding (deanna@griinc.com)</u> Consultant Prj. Mgr.: <u>925-551-7555</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>SL</u>				Matrix: <input type="checkbox"/> Possible <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air		Analyses Requested Preservation Codes: <u>H H H H</u> STEK + MTBE 8260 <input type="checkbox"/> 8027X TPH 8015 MOD GRC TPH 8015 MOD DRO <input checked="" type="checkbox"/> Silica Gel Cleanup 8260 lab scan Organometals Total Lead Method Dissolved Lead Method: <u>RTEX (8021)</u>										Preservative Codes: H = HCl T = Thiourea N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation: <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy's on highest hit <input type="checkbox"/> Run _____ oxy's on all hits	
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil <input type="checkbox"/> Air	Total Number of Containers	STEK + MTBE 8260	TPH 8015 MOD GRC	TPH 8015 MOD DRO	8260 lab scan	Organometals	Total Lead Method	Dissolved Lead Method	Comments / Remarks	
<u>GA</u>	<u>2-25-06</u>	<u>11:00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>0</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Amend CO to include Silica gel (1 of 2) on all TPH-500 samples JM	
<u>M1-1</u>		<u>11:00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-2</u>		<u>13:10</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-3</u>		<u>14:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-4</u>		<u>13:45</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-5</u>		<u>10:25</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-6</u>		<u>09:40</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-7</u>		<u>09:00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-8</u>		<u>09:05</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-9</u>		<u>15:00</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-10</u>		<u>11:15</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-11</u>		<u>09:30</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<u>M1-12</u>		<u>10:20</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Turnaround Time Requested (TAT) (please circle) STD. TAT: <u>72 hour</u> 48 hour 24 hour 4 day 5 day								Relinquished by: <u>[Signature]</u> Date: <u>2-26-06</u> Time: <u>07</u>		Received by: <u>[Signature]</u> Date: <u>2-26-06</u> Time: <u>15:30</u>							
Data Package Options (please circle if required) QC Summary: Type I - Full <u>EDF/EDD</u> Type VI (Raw Data) <input type="checkbox"/> Cost Deliverable not needed WIP (RW/QCB) <input type="checkbox"/> Disk:								Relinquished by: <u>[Signature]</u> Date: <u>2-26-06</u> Time: <u>15:30</u>		Received by: <u>[Signature]</u> Date: <u>2-26-06</u> Time: <u>15:30</u>							
Relinquished by Commercial Carrier: UPS FedEx Other _____								Received by: _____ Date: _____ Time: _____									
Temperature Upon Receipt: _____ °C								Custody Seals Intact? Yes No									

# Chevron California Region Analysis Request/Chain of Custody



AMENDED

For Lancaster Laboratories use only  
 Acct. #: 10904 Sample #: 5916231-48 Group #: 017633

Grp# 1184031

Facility #: SS#208145-OML GR#386492 GIGS#ID#10600102230  
 Site Address: 800 CENTER STREET, OAKLAND, CA  
 IR CRACE  
 Chevron PM: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568  
 Lead Consultant:  
 Consultant/Office: Deanna L. Harding (deanna@griinc.com)  
 Consultant Prj. Mgr.:  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: SH

Sample Identification		Date Collected	Time Collected	Grab	Composite	Matrix			Total Number of Containers	Analyses Requested							
						Soil	Water	Oil		Preservation Codes							
					Potable	NPDES											
										8260	8260	8260	8260	8260	8260	8260	8260
										8260 full scan	Onygenates	Total Lead Method	Disolved Lead Method				
MW-13		7-25-16	1210	X					8260	X	X	X	X	X	X	X	X
MW-14			1320	X					8260	X	X	X	X	X	X	X	X
MW-15			1115	X					8260	X	X	X	X	X	X	X	X
MW-16			1150	X					8260	X	X	X	X	X	X	X	X
MW-17			1210	X					8260	X	X	X	X	X	X	X	X

**Preservative Codes**

H = HCl      T = Thioculfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>   O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds  
**8261 MTBE Confirmation**  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy's on highest hit  
 Run \_\_\_ oxy's on all hits

**Comments / Remarks**

(2 of 2)

**Turnaround Time Requested (TAT) (please circle)**

STD. TAT      72 hour      48 hour  
 24 hour      4 day      5 day

**Data Package Options (please circle if required)**

QC Summary      Type I - Full      **EDF/EDD**  
 Type VI (Raw Data)       Coelt Deliverable not needed  
 WIP (RWOCB)  
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>7-26-16</u>	Time: <u>1700</u>	Received by: <u>[Signature]</u>	Date: <u>7-26-16</u>	Time: <u>1500</u>
Relinquished by: <u>[Signature]</u>	Date: <u>7-26-16</u>	Time: <u>1570</u>	Received by: <u>[Signature]</u>	Date: <u>7-27-16</u>	Time: <u>1500</u>
Relinquished by: <u>[Signature]</u>	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS      FedEx      Other _____			Received by: _____		
Temperature Upon Receipt: _____ °C			Custody Seals Intact?    Yes    No		

# Chevron California Region Analysis Request/Chain of Custody



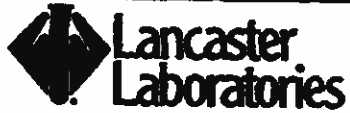
022610-01

For Lancaster Laboratories use only  
 Acct. #: 10904 Sample # 5716231-40 Group #: 017631

gr# 1194031

Facility #: <u>SS#206145-OML G-R#386492 Global ID#T0600102230</u> Site Address: <u>800 CENTER STREET, OAKLAND, CA</u> Chevron PM: <u>IR</u> Lead Consultant: <u>GRACE</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>SL</u>				Matrix: <input type="checkbox"/> Potable <input type="checkbox"/> NPDES		Analyses Requested Preservation Codes: <u>H H</u> Total Number of Containers: <u>2</u> BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> TPH 8015 MOD GRC TPH 8016 MOD DFO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan Oxygenates Total Lead Method Dissolved Lead Method <u>BTEX (8260)</u>								Preservative Codes H = HCl T = Thioc sulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits			
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total	BTEX + MTBE 8260	TPH 8015 MOD GRC	TPH 8016 MOD DFO	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	Comments / Remarks
<u>GA</u>	<u>2-25-10</u>	<u>1110</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						(of 2)
<u>MW-1A</u>		<u>1110</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-2</u>		<u>1310</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-3</u>		<u>1430</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-4</u>		<u>1345</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-5</u>		<u>1025</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-6</u>		<u>0940</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-7</u>		<u>0900</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-8</u>		<u>0905</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-9</u>		<u>1510</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-10</u>		<u>1415</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-11</u>		<u>0930</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-12</u>		<u>1020</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
Turnaround Time Requested (TAT) (please circle) STD. TAT: 24 hour, 72 hour, 48 hour, 4 day, 5 day				Relinquished by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>0900</u>				Received by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>1530</u>									
Data Package Options (please circle if required) QC Summary: Type I - Full, Type VI (Raw Data), WIP (RWOCB), Disk EDF/EDD: <input checked="" type="checkbox"/> Cost Deliverable not needed				Relinquished by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>1530</u>				Received by: <u>[Signature]</u> Date: <u>2/26/10</u> Time: <u>1530</u>									
				Relinquished by Commercial Carrier: UPS, FedEx, Other				Received by: <u>[Signature]</u> Date: <u>2/26/10</u> Time: <u>0920</u>									
				Temperature Upon Receipt: <u>0-7-16</u> °C				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									

# Chevron California Region Analysis Request/Chain of Custody



022610-01

For Lancaster Laboratories use only  
 Acct. #: 10904 Sample # 594231-49 Group #: 017633

gr# 118403/

Facility #: SS#206145-OML G-R#386492 Global ID#T0600102230 Site Address: 800 CENTER STREET, OAKLAND, CA Chevron PM: IR Lead Consultant: CRACE Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com) Consultant Phone #: 925-551-7555 Fax #: 925-551-7899 Sampler: <u>3H</u>				Matrix <input type="checkbox"/> Potable <input type="checkbox"/> MPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air		Analytes Requested Preservation Codes # BTEX + 8260 <input type="checkbox"/> 8021 <input checked="" type="checkbox"/> TPH 8015 MOD GRO TPH 8015 MOD DFO <input type="checkbox"/> Silica Gel Cleanup 8200 full scan Organohal Total Lead Method Dissolved Lead Method										Preservative Codes H = HCl T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits				
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DFO	Silica Gel Cleanup	8200 full scan	Organohal	Total Lead Method	Dissolved Lead Method	Comments / Remarks	
MW-13	2-25-10	1210	X			X			3	X	X	X	X	X						(2 of 2)
MW-14	↓	1320	X			X		3	X	X	X	X	X							
MW-15	↓	1115	X			X		3	X	X	X	X	X							
MW-16	↓	1150	X			X		3	X	X	X	X	X							
MW-17	↓	1210	X			X		3	X	X	X	X	X							
Turnaround Time Requested (TAT) (please circle) STD. TAT 24 hour 72 hour 48 hour 4 day 5 day				Relinquished by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>0100</u>				Received by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>1530</u>				Relinquished by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>0740</u>				Received by: <u>[Signature]</u> Date: <u>2-26-10</u> Time: <u>0910</u>				
Data Package Options (please circle if required) QC Summary Type I - Full <b>EDF/EDD</b> Type VI (Raw Data) <input type="checkbox"/> Cook Deliverable not needed WIP (RWQCB) Disk				Relinquished by Commercial Carrier: UPS FedEx Other				Received by: UPS FedEx Other				Temperature Upon Receipt: <u>0.7-1.6</u> °C Custody seals intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								

**ANALYTICAL RESULTS**

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

March 15, 2010

Project: 206145

RECEIVED

MAR 15 2010

GETTLER-BYER INC.  
GENERAL CONTRACTORS

Samples arrived at the laboratory on Saturday, February 27, 2010. The PO# for this group is 0015058478 and the release number is ROBB. The group number for this submittal is 1184031.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
QA-T-100225 NA Water	5916231
MW-1A-W-100225 Grab Water	5916232
MW-2-W-100225 Grab Water	5916233
MW-3-W-100225 Grab Water	5916234
MW-4-W-100225 Grab Water	5916235
MW-5-W-100225 Grab Water	5916236
MW-6-W-100225 Grab Water	5916237
MW-7-W-100225 Grab Water	5916238
MW-8-W-100225 Grab Water	5916239
MW-9-W-100225 Grab Water	5916240
MW-10-W-100225 Grab Water	5916241
MW-11-W-100225 Grab Water	5916242
MW-12-W-100225 Grab Water	5916243
MW-13-W-100225 Grab Water	5916244
MW-14-W-100225 Grab Water	5916245
MW-15-W-100225 Grab Water	5916246
MW-16-W-100225 Grab Water	5916247
MW-17-W-100225 Grab Water	5916248

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.





## Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17603-2425 • 717-656-2300 Fax: 717-656-2881 • www.lancasterlabs.com

ELECTRONIC      CRA c/o Gettler-Ryan  
COPY TO

Attn: Cheryl Hansen

Questions? Contact your Client Services Representative  
Jill M Parker at (717) 656-2300

Respectfully Submitted,

*Martha L. Seidel*

Martha L. Seidel  
Senior Chemist



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 1 of 1

Sample Description: QA-T-100225 NA Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 QA

LLI Sample # WW 5916231  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010

Account Number: 10904

Submitted: 02/27/2010 09:20  
Reported: 03/15/2010 at 08:29  
Discard: 04/15/2010

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

OAKQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060A94A	03/02/2010 16:08	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060A94A	03/02/2010 16:08	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060A94A	03/02/2010 16:08	Elizabeth J Marin	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-1A-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-1A

LLI Sample # WW 5916232  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 11:10 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK1A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l 500	ug/l 50	1
DRO was detected in the method blank at a concentration of 50 ug/l. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.					

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060A94A	03/02/2010 21:31	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060A94A	03/02/2010 21:31	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060A94A	03/02/2010 21:31	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/12/2010 00:40	Dustin A Underkoffler	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: MW-2-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-2

LLI Sample # WW 5916233  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 13:10 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles SW-846 8015B ug/l</b>					
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
The ending calibration check standard did not meet the 15% criteria for the original analysis. The sample was reanalyzed from the vial with headspace and the result was < 50 ug/l.					
<b>GC Volatiles SW-846 8021B ug/l</b>					
02159	Benzene	71-43-2	N.D.	0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH SW-846 8015B ug/l</b>					
<b>w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	120	50	1
DRO was detected in the method blank at a concentration of 50 ug/l. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.					

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10061A94A	03/02/2010 17:02	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10061A94A	03/01/2010 21:45	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10061A94A	03/01/2010 21:45	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 19:07	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17905-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: MW-3-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-3

LLI Sample # WW 5916234  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 14:30 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
	SW-846 8015B		ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	15,000	250	5
<b>GC Volatiles</b>					
	SW-846 8021B		ug/l	ug/l	
02159	Benzene	71-43-2	42	2.5	5
02159	Ethylbenzene	100-41-4	1,600	2.5	5
02159	Methyl tert-Butyl Ether	1634-04-4	330	13	5
02159	Toluene	108-88-3	320	2.5	5
02159	Total Xylenes	1330-20-7	1,100	7.5	5
<b>GC Extractable TPH w/Si Gel</b>					
	SW-846 8015B		ug/l	ug/l	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,800	65	2

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060A94A	03/02/2010 23:47	Elizabeth J Marin	5
02159	BTEX, MTBE	SW-846 8021B	1	10060A94A	03/02/2010 23:47	Elizabeth J Marin	5
01146	GC VOA Water Prep	SW-846 5030B	1	10060A94A	03/02/2010 23:47	Elizabeth J Marin	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/10/2010 10:08	Melissa McDermott	2
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

**Sample Description:** MW-4-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-4

LLI Sample # WW 5916235  
LLI Group # 1184031  
CA

**Project Name:** 206145

**Collected:** 02/25/2010 13:45 by SH

**Account Number:** 10904

**Submitted:** 02/27/2010 09:20  
**Reported:** 03/15/2010 at 08:29  
**Discard:** 04/15/2010

**Chevron**  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

OAKM4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l 56	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l 54	ug/l 50	1
DRO was detected in the method blank at a concentration of 50 ug/l. Due to insufficient sample volume, a repeat analysis could not be performed to confirm the results.					

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060A94A	03/02/2010 21:59	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060A94A	03/02/2010 21:59	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060A94A	03/02/2010 21:59	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 19:50	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** MW-5-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-5

LLI Sample # WW 5916236  
LLI Group # 1184031  
CA

**Project Name:** 206145

Collected: 02/25/2010 10:25 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 02:01	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060B53A	03/03/2010 02:01	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 02:01	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 20:12	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-858-2300 Fax: 717-858-2681 • www.lancasterlabs.com

**Sample Description:** MW-6-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-6

LLI Sample # WW 5916237  
LLI Group # 1184031  
CA

**Project Name:** 206145

Collected: 02/25/2010 09:40 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 02:26	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060B53A	03/03/2010 02:26	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 02:26	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 20:34	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-658-2300 Fax: 717-658-2681 • www.lancasterlabs.com

Sample Description: MW-7-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-7

LLI Sample # WW 5916238  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 09:00 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 02:50	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060B53A	03/03/2010 02:50	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 02:50	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 20:56	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-8-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-8

LLI Sample # NW 5916239  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 09:05 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
02159	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
02159	Ethylbenzene	100-41-4	N.D.	0.5	1
02159	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	1
02159	Toluene	108-88-3	N.D.	0.5	1
02159	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 03:14	Elizabeth J Marin	1
02159	BTEX, MTBE	SW-846 8021B	1	10060B53A	03/03/2010 03:14	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 03:14	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 21:18	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** MW-9-W-100225 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland, CA T0600102230 MW-9

LLI Sample # WW 5916240  
 LLI Group # 1184031  
 CA

**Project Name:** 206145

Collected: 02/25/2010 15:10 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAKM9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 03:38	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 03:38	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 03:38	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 22:24	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-10-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-10

LLI Sample # WW 5916241  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 14:15 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 04:03	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 04:03	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 04:03	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 22:46	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Page 1 of 1

**Sample Description:** MW-11-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-11

LLI Sample # WW 5916242  
LLI Group # 1184031  
CA

**Project Name:** 206145

Collected: 02/25/2010 09:30 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 04:27	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 04:27	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 04:27	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 23:08	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-12-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-12

LLI Sample # WW 5916243  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 10:20 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 04:52	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 04:52	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 04:52	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 23:30	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-13-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-13

LLI Sample # WW 5916244  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 12:10 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 05:16	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 05:16	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 05:16	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/09/2010 23:52	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100600027A	03/02/2010 12:30	Kerrie A Freeburn	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	2	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-856-2300 Fax: 717-856-2681 • www.lancasterlabs.com

Sample Description: MW-14-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-14

LLI Sample # WW 5916245  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 13:20 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 05:40	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 05:40	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 05:40	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/10/2010 00:14	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100600027A	03/02/2010 12:30	Kerrie A Freeburn	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	2	100630007A	03/04/2010 16:15	JoElla L Rice	1





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** MW-15-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-15

LLI Sample # WW 5916246  
LLI Group # 1184031  
CA

**Project Name:** 206145

Collected: 02/25/2010 11:15 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20  
Reported: 03/15/2010 at 08:29  
Discard: 04/15/2010

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

OAK15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 07:17	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 07:17	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 07:17	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/10/2010 00:36	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100600027A	03/02/2010 12:30	Kerrie A Freeburn	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	2	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-658-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: MW-16-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-16

LLI Sample # WW 5916247  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 11:50 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 07:42	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 07:42	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 07:42	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/10/2010 00:58	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100600027A	03/02/2010 12:30	Kerrie A Freeburn	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	2	100630007A	03/04/2010 16:15	JoElla L Rice	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: MW-17-W-100225 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland, CA T0600102230 MW-17

LLI Sample # WW 5916248  
LLI Group # 1184031  
CA

Project Name: 206145

Collected: 02/25/2010 12:40 by SH

Account Number: 10904

Submitted: 02/27/2010 09:20

Chevron

Reported: 03/15/2010 at 08:29

6001 Bollinger Canyon Rd L4310

Discard: 04/15/2010

San Ramon CA 94583

OAK17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC Volatiles</b>					
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1
<b>GC Volatiles</b>					
05879	Benzene	SW-846 8021B 71-43-2	ug/l N.D.	ug/l 0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	1
<b>GC Extractable TPH w/Si Gel</b>					
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 08:06	Elizabeth J Marin	1
05879	BTEX	SW-846 8021B	1	10060B53A	03/03/2010 08:06	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 08:06	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	100630007A	03/10/2010 01:20	Melissa McDermott	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	100600027A	03/02/2010 12:30	Kerrie A Freeburn	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	2	100630007A	03/04/2010 16:15	JoElla L Rice	1

## Quality Control Summary

 Client Name: Chevron  
 Reported: 03/15/10 at 08:29 AM

Group Number: 1184031

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 10060A94A	Sample number(s): 5916231-5916232, 5916234-5916235							
Benzene	N.D.	0.5	ug/l	105	110	80-120	5	30
Ethylbenzene	N.D.	0.5	ug/l	100	105	80-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	110	78-125	0	30
Toluene	N.D.	0.5	ug/l	100	105	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	127	127	75-135	0	30
Total Xylenes	N.D.	1.5	ug/l	103	107	80-120	3	30
Batch number: 10060B53A	Sample number(s): 5916236-5916248							
Benzene	N.D.	0.5	ug/l	105	100	80-120	5	30
Ethylbenzene	N.D.	0.5	ug/l	105	100	80-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	105	78-125	5	30
Toluene	N.D.	0.5	ug/l	105	100	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	127	118	75-135	7	30
Total Xylenes	N.D.	1.5	ug/l	105	105	80-120	0	30
Batch number: 10061A94A	Sample number(s): 5916233							
Benzene	N.D.	0.5	ug/l	110	105	80-120	5	30
Ethylbenzene	N.D.	0.5	ug/l	105	100	80-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	110	78-125	0	30
Toluene	N.D.	0.5	ug/l	105	100	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Total Xylenes	N.D.	1.5	ug/l	107	105	80-120	2	30
Batch number: 100630007A	Sample number(s): 5916232-5916248							
TPH-DRO CA C10-C28 w/ Si Gel	50	32.	ug/l	80	83	52-126	3	20

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 10060B53A	Sample number(s): 5916236-5916248 UNSPK: 5916236, 5916237								
Benzene	115		80-152						
Ethylbenzene	115		80-133						
Methyl tert-Butyl Ether	110		62-145						
Toluene	115		80-133						
TPH-GRO N. CA water C6-C12	127		63-154						
Total Xylenes	118		80-148						

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Chevron  
Reported: 03/15/10 at 08:29 AM

Group Number: 1184031

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX, MTBE

Batch number: 10060A94A

	Trifluorotoluene-F	Trifluorotoluene-P
5916231	83	95
5916232	84	94
5916234	118	114
5916235	90	95
Blank	83	95
LCS	86	95
LCSD	88	94
Limits:	63-135	58-146

Analysis Name: BTEX, MTBE

Batch number: 10060B53A

	Trifluorotoluene-F	Trifluorotoluene-P
5916236	81	82
5916237	79	82
5916238	81	82
5916239	81	83
5916240	81	84
5916241	81	84
5916242	80	85
5916243	78	84
5916244	80	84
5916245	78	84
5916246	80	84
5916247	84	83
5916248	83	83
Blank	79	82
LCS	89	85
LCSD	91	84
MS	85	84
Limits:	63-135	58-146

Analysis Name: BTEX, MTBE

Batch number: 10061A94A

	Trifluorotoluene-F	Trifluorotoluene-P
5916233	82	95
Blank	89	95
LCS	95	94
LCSD	94	94
Limits:	63-135	58-146

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel

Batch number: 100630007A

Orthoterphenyl

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Chevron  
Reported: 03/15/10 at 08:29 AM

Group Number: 1184031

### Surrogate Quality Control

5916232	86
5916233	95
5916234	99
5916235	90
5916236	88
5916237	76
5916238	85
5916239	74
5916240	82
5916241	69
5916242	77
5916243	78
5916244	78
5916245	71
5916246	79
5916247	82
5916248	77
Blank	75
LCS	94
LCSD	95

Limits: 59-131

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike amount not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>J</b>	Estimated value	<b>U</b>	Compound was not detected
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>W</b>	Post digestion spike out of control limits
<b>P</b>	Concentration difference between primary and confirmation columns >25%	<b>*</b>	Duplicate analysis not within control limits
<b>U</b>	Compound was not detected	<b>+</b>	Correlation coefficient for MSA <0.995
<b>X,Y,Z</b>	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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