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11:34 am, Aug 11, 2011
Alameda County
Environmental Health



Stacie H. Frerichs
Team Lead
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

(date)

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

Re: Chevron Facility # _____

Address: _____

I have reviewed the attached routine groundwater monitoring report dated _____.

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 that reads "Stacie H. Frerichs".

Stacie H. Frerichs
Project Manager

Enclosure: Report



September 14, 2010
G-R Job #386473

Ms. Stacie H. Frerichs
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3596
San Ramon, CA 94583

RE: Second Semi-Annual Event of August 23, 2010
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

Dear Ms. Frerichs:

This report documents the 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. A Potentiometric Map is included as Figure 1.

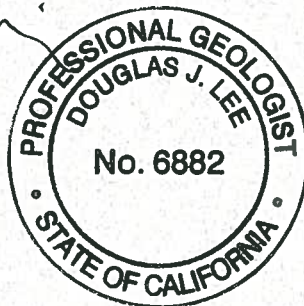
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are 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.

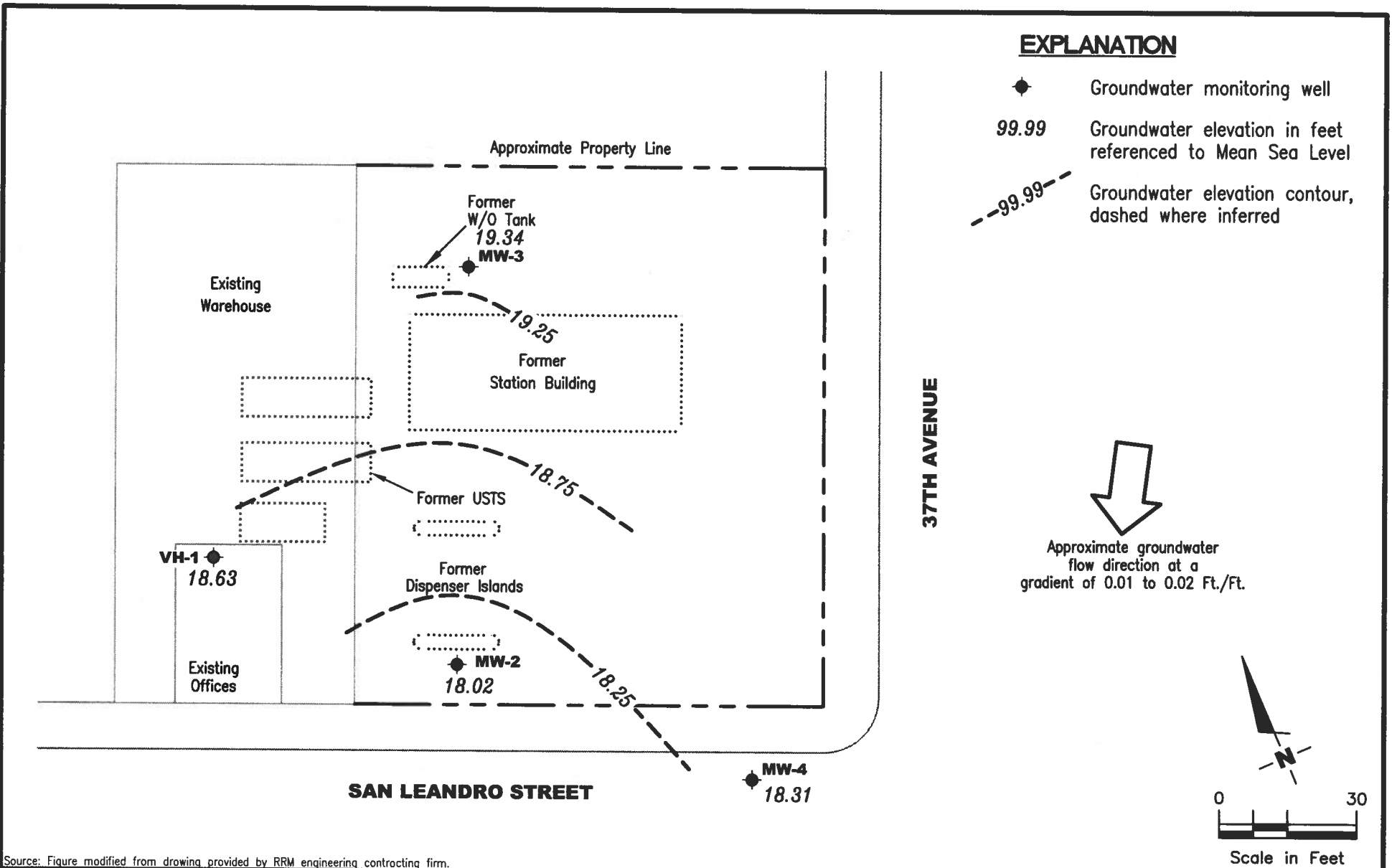
Sincerely,

Deanna L. Harding
Project Coordinator

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



- Figure 1: Potentiometric Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

POTENTIOMETRIC MAP
 Former Chevron Service Station #9-4612
 3616 San Leandro Street
 Oakland, California

FIGURE

1

PROJECT NUMBER
 386473

REVIEWED BY

DATE
 August 23, 2010

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)
VH-1											
08/10/88	--	--	13.00	--	11,000	3,300	200	520	540	--	--
06/01/89	--	--	10.32	--	15,000	2,200	120	540	310	--	--
09/15/89	--	--	15.69	--	5,600	1,900	90	350	160	--	--
12/08/89	--	--	14.77	--	11,000	1,900	69	270	99	--	--
03/07/91	--	--	11.26	--	4,500	820	39	120	77	--	--
09/24/91	--	--	12.98	--	3,300	520	19	39	27	--	--
01/08/92	--	--	13.77	--	5,000	600	34	81	76	--	--
04/20/92	--	--	8.18	--	7,400	670	60	110	140	--	--
03/26/93	27.85	21.14	6.71	--	4,900	600	40	72	94	--	--
05/27/93	27.85	19.27	8.58	--	13,000	1,600	120	230	220	--	--
08/18/93	27.85	17.39	10.46	--	2,700	210	10	8.1	18	--	--
11/03/93	27.85	15.28	12.57	--	4,600	680	42	35	68	--	--
02/10/94	27.85	18.77	9.08	--	1,900	260	19	22	29	--	--
05/12/94	27.85	19.76	8.09	--	2,000	390	28	3.9	29	--	--
08/26/94	27.85	17.10	10.75	--	4,900	500	<5.0	23	31	--	--
11/14/94	27.85	18.40	9.45	300	760	69	<2.0	<2.0	2.2	--	--
02/01/95	27.85	21.88	5.97	--	1,300	120	5.9	<0.5	13	--	--
05/12/95	27.85	20.14	7.71	--	4,400	460	31	45	49	--	--
08/22/95	27.85	18.59	9.26	--	2,900	310	15	28	32	--	--
12/19/95	27.85	19.05	8.80	--	930	53	<2.5	<2.5	<2.5	39	--
01/31/96	27.85	22.35	5.50	--	3,700	320	<10	41	40	180	--
04/30/96	27.85	19.81	8.04	--	3,900	270	<20	<20	<20	120	--
08/01/96	27.85	18.67	9.18	--	2,700	140	11	18	28	200	--
10/30/96	27.85	18.67	10.76	--	2,700	140	<12	<12	<12	280	--
02/07/97	27.85	19.75	8.10	--	220	13	0.6	<0.5	1.6	15	--
05/07/97	27.85	18.33	9.52	--	5,200	33	12	21	26	330	--
07/22/97	27.85	17.43	10.42	--	4,200	80	<10	16	24	400	--
11/03/97	27.85	16.85	11.00	--	2,400	150	6.8	6.5	9.5	510	--
01/28/98	27.85	20.75	7.10	--	850	69	4.8	5.0	11	38/48 ¹²	--
05/08/98	27.85	20.14	7.71	--	4,200	200	30	40	42	310/200 ¹²	--
07/29/98	27.85	18.40	9.45	--	3,800	54	10	27	30	35/290 ¹²	--
11/06/98	27.85	17.15	10.70	--	4,800	100	20	12	23	360/210 ¹²	--
02/09/99 ⁵	27.85	21.87	5.98	--	2,950	79.5	<10	<10	<10	435/312 ¹²	--
05/13/99	27.85	19.71	8.14	--	4,180	147	12.8	16.5	20.3	433/245 ¹²	--
09/07/99	27.85	17.94	9.91	--	2,750	57.6	<5.0	6.53	<5.0	297/233 ¹²	--
11/24/99	27.85	17.36	10.49	--	2,550	38	3.18	2.54	5.21	216 ^{1,12}	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)
VH-1 (cont)											
02/25/00	27.85	21.20	6.65	--	120	2.7	<0.5	<0.5	<0.5	20.5/11.9 ¹²	--
05/10/00	27.85	19.76	8.09	--	1,400 ⁸	63	3.3	3.1	4.9	230/110 ¹²	--
7/31/00 ¹¹	27.85	18.30	9.55	--	360 ⁸	22	2.7	1.6	3.1	100/88 ¹²	--
10/30/00 ¹¹	27.85	17.91	9.94	--	987 ¹⁰	47.0	1.00	<0.500	1.80	153/130 ¹²	--
02/05/01	27.91	19.23	8.68	--	2,670	42.7	<5.00	<5.00	<5.00	225/160 ¹²	--
05/07/01 ¹¹	27.91	19.61	8.30	--	1,800 ⁶	100	8.2	10	7.9	440/110 ¹²	--
08/06/01 ¹¹	27.91	18.09	9.82	--	1,000 ⁶	67	6.1	2.1	7.1	270/140 ¹²	--
11/12/01 ¹¹	27.91	17.29	10.62	--	220	1.2	<0.50	<0.50	<1.5	63/61 ¹²	--
02/11/02 ¹¹	27.91	19.83	8.08	--	1,700	33	<5.0	6.3	3.8	64/52 ¹²	--
05/13/02 ¹¹	27.91	19.21	8.70	--	2,700	54	4.1	5.6	6.2	100/80 ¹²	--
08/09/02 ¹¹	27.91	18.50	9.41	--	2,400	37	2.4	1.2	3.4	86/89 ¹²	--
11/07/02 ¹¹	27.91	17.34	10.57	--	150	1.3	<0.50	<0.50	<1.5	56/50 ¹²	--
02/04/03 ¹¹	27.91	19.63	8.28	--	1,700	40	3.1	7.8	5.0	100/53 ¹²	--
05/05/03 ¹¹	27.91	20.41	7.50	--	2,100	44	3.4	3.7	5.2	96/62 ¹²	--
09/06/03 ^{11,14}	27.91	18.31	9.60	--	690	7	0.6	<0.5	0.6	59	--
11/14/03 ^{11,14}	27.91	17.99	9.92	--	1,000	3	0.6	2	0.7	47	--
02/13/04 ^{14,15}	27.91	19.98	7.93	--	2,400	30	2	4	3	47	--
05/13/04 ¹⁴	27.91	19.24	8.67	--	1,900	49	4	3	5	74	--
08/17/04 ¹⁴	27.91	18.26	9.65	--	1,800	11	1	0.9	2	58	--
11/10/04	27.91	INACCESSIBLE	--	--	--	--	--	--	--	--	--
02/08/05 ¹⁴	27.91	20.08	7.83	--	2,700	26	3	4	5	48	--
06/03/05 ¹⁴	27.91	19.71	8.20	--	3,100	40	5	6	9	45	--
08/05/05 ¹⁴	27.91	17.81	10.10	--	2,500	34	4	0.6	6	46	--
12/02/05 ¹⁴	27.91	18.93	8.98	--	3,500	69	7	2	8	57	--
03/03/06 ¹⁴	NP ¹⁸	20.66	7.25	--	4,100	37	6	6	8	40	--
05/31/06 ¹⁴	NP ¹⁸	19.74	8.17	--	4,100	33	5	3	8	34	--
08/18/06 ¹⁴	27.91	18.79	9.12	--	3,300	23	4	1	5	33	--
11/17/06 ¹⁴	27.91	18.64	9.27	--	3,200	18	3	0.6	3	33	--
02/09/07 ¹⁴	NP ¹⁸	19.53	8.38	--	3,600	23	4	2	5	28	--
05/11/07 ¹⁴	NP ¹⁸	19.53	8.38	--	3,200	14	3	1	5	26	--
08/10/07 ¹⁴	NP ¹⁸	18.41	9.50	--	2,400	10	2	0.6	3	21	--
11/08/07 ¹⁴	NP ¹⁸	18.25	9.66	--	3,000	10	2	0.5	2	18	--
02/07/08 ¹⁴	NP ¹⁸	20.76	7.15	--	4,000	14	3	5	5	14	--
05/02/08 ¹⁴	NP ¹⁸	18.96	8.95	--	3,000	14	3	2	4	17	--
07/31/08 ¹⁴	NP ¹⁸	18.23	9.68	--	2,700	13	2	0.8	3	14	--
11/13/08 ¹⁴	NP ¹⁸	17.73	10.18	--	2,500	6	1	<0.5	1	12	--

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Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)	
VH-1 (cont)												
02/02/09 ¹⁴	NP ¹⁸	27.91	18.00	9.91	--	4,000	7	1	<0.5	1	12	--
05/01/09 ¹⁴	NP ¹⁸	27.91	18.75	9.16	--	3,900	20	3	3	6	15	--
08/10/09 ¹⁴	NP ¹⁸	27.91	18.24	9.67	--	1,400	6	1	<0.5	1	11	--
01/29/10 ¹⁴	NP ¹⁸	27.91	20.68	7.23	--	3,700	24	4	5	5	13	--
08/23/10 ¹⁴	NP ¹⁸	27.91	18.63	9.28	--	3,600	18	3	2	4	9	--
MW-2												
02/16/93		27.51	--	--	--	9,200	720	110	250	170	--	--
03/26/93		27.51	19.89	7.62	--	--	--	--	--	--	--	--
05/27/93		27.51	18.04	9.47	--	360	5.3	2.1	1.8	2.5	--	--
08/18/93		27.51	16.46	11.05	--	9,400	1,100	76	110	100	--	--
11/03/93		27.51	14.56	12.95	--	8,600	390	20	2.7	120	--	--
02/10/94		27.51	17.72	9.79	--	2,700	370	38	44	41	--	--
05/12/94		27.51	18.59	8.92	--	3,800	650	76	15	62	--	--
08/26/94		27.51	16.14	11.37	--	16,000	1,300	270	28	120	--	--
11/14/94		27.51	17.48	10.03	--	5,100	390	10	43	27	--	--
02/01/95		27.51	20.47	7.04	--	6,900	520	82	170	110	--	--
05/12/95		27.51	18.76	8.75	--	7,700	510	83	110	100	--	--
08/22/95		27.51	17.35	10.16	--	4,500	220	16	61	47	--	--
12/19/95		27.51	18.05	9.46	--	2,900	240	<10	19	18	220	--
01/31/96		27.51	21.91	5.60	--	3,900	320	18	72	39	<25	--
04/30/96		27.51	18.68	8.83	--	5,600	200	36	55	47	170	--
08/01/96		27.51	17.25	10.26	--	6,200	190	15	62	59	220	--
10/30/96		27.51	17.25	11.48	--	5,700	190	<25	67	36	260	--
02/07/97		27.51	18.11	9.40	--	8,300	210	34	70	59	330	--
05/07/97		27.51	17.57	9.94	--	6,900	190	12	38	37	530	--
07/22/97		27.51	16.36	11.15	--	10,000	18	25	62	41	630	--
11/03/97		27.51	15.93	11.58	--	6,500	260	8.5	26	14	590/9.6 ^{4,12}	--
01/28/98		27.51	19.38	8.13	--	6,700	65	13	67	54	280/94 ¹²	--
05/08/98		27.51	18.89	8.62	--	5,500	91	38	43	61	220/62 ¹²	--
07/29/98		27.51	17.06	10.45	--	3,600	41	8.9	3.6	14	16/94 ¹²	--
11/06/98		27.51	15.89	11.62	--	6,900	77	<5.0	14	17	290/110 ¹²	--
02/09/99 ⁵		27.51	20.61	6.90	--	8,070	75.6	<10	<10	<10	397/144 ¹²	--
05/13/99		27.51	18.21	9.30	--	5,890	120	<5.0	12.5	26.6	401/69.4 ¹²	--
09/07/99		27.51	16.57	10.94	--	5,820	41.2	<5.0	14.6	<5.0	260/145 ¹²	--

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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)	TOG (µg/L)
MW-2 (cont)											
11/24/99	27.51	15.98	11.53	--	5,940	40.9	<10	10.8	<10	120 ^{1,12}	--
02/25/00	27.51	21.00	6.51	--	6,370	101	9.37	39.8	33.2	321/121 ¹²	--
05/10/00	27.51	18.49	9.02	--	6,100 ⁸	110	13	27	31	560/120 ¹²	--
07/31/00 ¹¹	27.51	17.18	10.33	--	3,000 ⁸	75	14	28	28	200/130 ¹²	--
10/30/00 ¹¹	27.51	16.95	10.56	--	6,810 ¹⁰	162	<5.00	8.05	<15.0	372/140 ¹²	--
02/05/01 ¹¹	28.05	18.47	9.58	--	5,860	28.4	6.86	16.2	11.8	285/140 ¹²	--
05/07/01 ¹¹	28.05	18.85	9.20	--	4,700 ⁶	120	15	30	42	540/88 ¹²	--
08/06/01 ¹¹	28.05	17.31	10.74	--	3,700 ⁶	120	<20	28	33	490/110 ¹²	--
11/12/01 ¹¹	28.05	16.60	11.45	--	7,000	29	<10	27	22	93/98 ¹²	--
02/11/02 ¹¹	28.05	18.99	9.06	--	5,900	43	15	24	27	90/86 ¹²	--
05/13/02 ¹¹	28.05	18.41	9.64	--	5,500	26	5.2	23	26	120/47 ¹²	--
08/09/02 ¹¹	28.05	17.76	10.29	--	5,700	26	3.7	26	50	100/69 ¹²	--
11/07/02 ¹¹	28.05	16.78	11.27	--	5,900	33	4.4	23	21	<100/69 ¹²	--
02/04/03 ¹¹	28.05	18.92	9.13	--	5,400	22	4.7	13	14	<50/55 ¹²	--
05/05/03 ¹¹	28.05	19.67	8.38	--	4,500	23	4.7	12	15	<50/31 ¹²	--
09/06/03 ^{11,14}	28.05	17.65	10.40	--	3,200	13	2	7	7	54	--
11/14/03 ^{11,14}	28.05	17.43	10.62	--	4,000	11	2	7	6	55	--
02/13/04 ^{14,15}	28.05	19.26	8.79	--	6,200	6	2	8	8	31	--
05/13/04 ¹⁴	28.05	18.49	9.56	--	3,200	6	3	13	11	34	--
08/17/04 ¹⁴	28.05	17.57	10.48	--	4,300	7	1	6	5	46	--
11/10/04 ¹⁴	28.05	18.52	9.53	--	3,000	5	1	6	7	37	--
02/08/05 ¹⁴	28.05	19.34	8.71	--	4,700	3	2	10	8	22	--
06/03/05 ¹⁴	28.05	19.04	9.01	--	4,100	4	3	15	11	23	--
08/05/05 ¹⁴	28.05	18.29	9.76	--	3,500	4	1	<0.5	8	23	--
12/02/05 ¹⁴	28.05	18.41	9.64	--	2,900	4	2	3	3	24	--
03/03/06 ¹⁴	28.05	20.01	8.04	--	3,800	5	6	4	5	9	--
05/31/06 ¹⁴	28.05	19.04	9.01	--	4,600	2	1	3	3	8	--
08/18/06 ¹⁴	28.05	18.14	9.91	--	4,300	2	1	11	7	14	--
11/17/06 ¹⁴	28.05	18.10	9.95	--	4,600	2	0.7	7	4	14	--
02/09/07 ¹⁴	28.05	18.95	9.10	--	3,600	1	0.6	3	3	9	--
05/11/07 ¹⁴	28.05	18.93	9.12	--	3,600	2	1	5	5	8	--
08/10/07 ¹⁴	28.05	17.85	10.20	--	3,600	1	1	7	4	9	--
11/08/07 ¹⁴	28.05	17.70	10.35	--	3,600	2	0.7	5	2	7	--
02/07/08 ¹⁴	28.05	20.13	7.92	--	5,000	1	1	5	3	5	--
05/02/08 ¹⁴	28.05	18.56	9.49	--	3,300	1	0.9	3	2	4	--
07/31/08 ¹⁴	28.05	17.70	10.35	--	3,000	2	0.6	2	1	5	--

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Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)
MW-2 (cont)											
11/13/08 ¹⁴	28.05	17.24	10.81	--	3,800	2	0.5	2	0.8	4	--
02/02/09 ¹⁴	28.05	18.08	9.97	--	3,500	2	0.6	2	1	5	--
05/01/09 ¹⁴	28.05	18.35	9.70	--	3,900	2	1	4	3	4	--
08/10/09 ¹⁴	28.05	17.67	10.38	--	3,100	2	0.8	2	1	4	--
01/29/10 ¹⁴	28.05	20.07	7.98	--	3,200	1	0.8	2	1	5	--
08/23/10 ¹⁴	28.05	18.02	10.03	--	3,500	1	0.6	1	0.7	3	--
MW-3											
02/16/93	28.50	--	--	--	3,500	<0.5	8.1	4.6	7.7	--	--
03/26/93	28.50	21.32	7.18	--	--	--	--	--	--	--	--
05/27/93	28.50	19.17	9.33	--	4,200	580	84	150	100	--	--
08/18/93	28.50	16.50	12.00	1,400	910	12	3.7	6.2	3.8	--	<5,000
11/03/93	28.50	15.21	13.29	--	5,300	29	1.9	0.6	27	--	--
02/10/94	28.50	18.87	9.63	<50	63	<0.5	0.7	<0.5	<0.5	--	--
05/12/94	28.50	19.73	8.77	84	<50	<0.5	0.5	<0.5	<0.5	--	--
08/26/94	28.50	17.08	11.42	--	2,100	12	<0.5	5.0	0.5	--	--
11/14/94	28.50	18.43	10.07	--	140	0.78	<0.5	<0.5	<0.5	--	--
02/01/95	28.50	22.21	6.29	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	28.50	20.43	8.07	540 ²	330	13	1.1	1.9	0.69	--	--
08/22/95	28.50	18.55	9.95	550 ²	980	32	<1.0	<1.0	<1.0	--	--
12/19/95	28.50	19.10	9.40	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	28.50	23.45	5.05	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	28.50	20.10	8.40	240 ²	320	2.4	<0.5	0.75	<0.5	7.8	--
08/01/96	28.50	18.70	9.80	470 ²	980	9.6	<0.5	0.98	2.2	54	--
10/30/96	28.50	18.70	11.48	760 ²	2,000	14	<10	<10	<10	140	--
02/07/97	28.50	19.90	8.60	61 ²	200 ²	<0.5	<0.5	<0.5	<0.5	8.9	--
05/07/97	28.50	19.49	9.01	550 ²	3,500	14	3.9	3.6	8.0	160	--
07/22/97	28.50	17.38	11.12	800 ²	3,500	55	<10	<10	<10	150	--
11/03/97	28.50	16.99	11.51	910 ²	4,100	140	<5.0	<5.0	<5.0	380	--
01/28/98	28.50	21.16	7.34	--	1,100	24	<1.2	<1.2	2.8	33/6.1 ¹²	--
05/08/98	28.50	20.44	8.06	250 ²	990	3.6	7.7	0.7	2.2	37/7.5 ¹²	--
07/29/98	28.50	18.25	10.25	290 ²	1,200	13	<0.5	<0.5	1.4	11/28 ¹²	--
11/06/98	28.50	17.11	11.39	390 ²	2,600	5.3	<2.5	<2.5	3.0	91/41 ¹²	--
02/09/99 ⁵	28.50	22.40	6.10	184 ²	406	<1.0	4.03	<1.0	<1.0	17.7/1.97 ¹²	--
05/13/99	28.50	19.38	9.12	--	615	13.8	1.05	<0.5	<0.5	43.5/21.2 ¹²	--

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Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)
MW-3 (cont)											
09/07/99	28.50	17.77	10.73	528 ²	2,710	<5.0	<5.0	<5.0	<5.0	96.3/57.9 ¹²	--
11/24/99	28.50	17.37	11.13	1,070 ²	5,530	<5.0	<5.0	5.59	<5.0	66 ^{1,12}	--
02/25/00	28.50	22.22	6.28	--	189	4.68	<0.5	<0.5	<0.5	11.9/<2.0 ¹²	--
03/01/00	28.50	21.80	6.70	380 ²	--	--	--	--	--	--	--
05/10/00	28.50	19.90	8.60	830 ⁷	1,600 ⁶	22	<10	<10	<10	100/51 ¹²	--
07/31/00 ¹¹	28.50	18.43	10.07	490 ⁷	2,200 ⁶	76	10	<5.0	13	230/52 ¹²	--
10/30/00 ¹¹	28.50	17.97	10.53	580 ⁹	3,320 ¹⁰	<5.00	<5.00	<5.00	<15.0	147/64 ¹²	--
02/05/01 ¹¹	29.04	19.78	9.26	--	3,960	<5.00	6.02	<5.00	<5.00	159/70 ¹²	--
05/07/01 ¹¹	29.04	20.29	8.75	--	2,800 ⁶	61	12	<10	20	230/49 ¹²	--
05/10/01 ¹¹	29.04	20.21	8.83	390 ¹³	--	--	--	--	--	--	--
08/06/01 ¹¹	29.04	18.59	10.45	870 ⁷	1,600 ⁶	39	14	1.3	5.6	130/43 ¹²	--
11/12/01 ¹¹	29.04	17.82	11.22	1,400	3,100	3.6	23	2.3	5.6	40/46 ¹²	--
02/11/02 ¹¹	29.04	20.66	8.38	700	4,000	10	<5.0	4.2	5.5	44/42 ¹²	--
05/13/02 ¹¹	29.04	19.84	9.20	730	2,500	18	<5.0	<5.0	5.2	44/32 ¹²	--
08/09/02 ¹¹	29.04	18.87	10.17	560	2,700	17	<5.0	<5.0	<10	45/33 ¹²	--
11/07/02 ¹¹	29.04	17.91	11.13	660	2,600	24	<5.0	2.0	4.8	51/37 ¹²	--
02/04/03 ¹¹	29.04	20.44	8.60	370	2,200	13	1.5	2.7	5.0	<50/24 ¹²	--
05/05/03 ¹¹	29.04	21.22	7.82	580	2,100	14	1.8	2.0	3.9	<20/19 ¹²	--
09/06/03 ^{11,14}	29.04	18.79	10.25	780	1,800	2	0.6	0.6	1	28	--
11/14/03 ^{11,14}	29.04	18.52	10.52	860	2,000	1	0.6	0.6	0.9	30	--
02/13/04 ^{14,15}	29.04	20.76	8.28	590	3,600	1	0.6	1	2	21	--
05/13/04 ¹⁴	29.04	19.87	9.17	670	1,600	1	<0.5	0.5	1	20	--
08/17/04 ¹⁴	29.04	18.79	10.25	900	2,500	1	<0.5	<0.5	0.7	25	--
11/10/04 ¹⁴	29.04	19.81	9.23	780	1,500	1	0.6	0.5	1	27	--
02/08/05 ¹⁴	29.04	20.92	8.12	530	2,500	1	0.6	2	3	11	--
06/03/05 ¹⁴	29.04	20.47	8.57	600	1,700	1	<0.5	0.7	1	9	--
08/05/05 ¹⁴	29.04	18.44	10.60	530 ¹⁶	980	0.6	<0.5	<0.5	0.8	9	--
12/02/05 ¹⁴	29.04	19.46	9.58	1,400 ¹⁷	2,400	1	2	0.8	1	7	--
03/03/06 ¹⁴	29.04	21.46	7.58	530	2,300	0.8	1	<0.5	1	4	--
05/31/06 ¹⁴	29.04	20.51	8.53	480	2,700	0.6	<0.5	<0.5	0.8	4	--
08/18/06 ¹⁴	29.04	19.33	9.71	410	2,700	<0.5	<0.5	<0.5	0.6	6	--
11/17/06 ¹⁴	29.04	19.23	9.81	390	2,600	<0.5	<0.5	<0.5	1	4	--
02/09/07 ¹⁴	29.04	20.16	8.88	640	2,100	<0.5	<0.5	<0.5	1	3	--
05/11/07 ¹⁴	29.04	20.33	8.71	350	1,400	<0.5	<0.5	<0.5	2	2	--
08/10/07 ¹⁴	29.04	19.06	9.98	340	1,300	<0.5	<0.5	<0.5	1	2	--
11/08/07 ¹⁴	29.04	18.93	10.11	440	1,400	<0.5	<0.5	<0.5	<0.5	<0.5	--

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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)	TOG (µg/L)
MW-3 (cont)											
02/07/08 ¹⁴	29.04	21.76	7.28	320	2,100	<0.5	0.7	1	2	0.7	--
05/02/08 ¹⁴	29.04	19.86	9.18	260	1,300	<0.5	<0.5	<0.5	<0.5	2	--
07/31/08 ¹⁴	29.04	18.91	10.13	500	2,900	<0.5	<0.5	<0.5	<0.5	1	--
11/13/08 ¹⁴	29.04	18.46	10.58	880	1,800	<0.5	<0.5	<0.5	<0.5	2	--
02/02/09 ¹⁴	29.04	19.46	9.58	310 ¹⁹	2,000	<0.5	<0.5	<0.5	<0.5	2	--
05/01/09 ¹⁴	29.04	19.64	9.40	51 ²⁰	1,500	<0.5	<0.5	<0.5	<0.5	2	--
08/10/09 ¹⁴	29.04	18.83	10.21	470	1,300	<0.5	<0.5	<0.5	<0.5	3	--
01/29/10 ¹⁴	29.04	21.65	7.39	420	2,600	<0.5	<0.5	2	1	1	--
08/23/10 ¹⁴	29.04	19.34	9.70	410	2,000	<0.5	<0.5	<0.5	<0.5	2	--
MW-4											
08/22/95	27.27	18.16	9.11	--	9,600	100	<10	<10	<10	--	--
12/19/95	27.27	18.97	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	27.27	21.67	5.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	27.27	20.27	7.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/01/96	27.27	18.12	9.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/30/96	27.27	18.12	10.74	--	110	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	27.27	19.47	7.80	--	80	<0.5	<0.5	<0.5	<0.5	4.1	--
05/07/97	27.27	21.42	5.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/22/97	27.27	17.22	10.05	--	150	<0.5	<0.5	<0.5	<0.5	<2.5	--
11/03/97	27.27	16.55	10.72	--	52	0.9	<0.5	<0.5	<0.5	-- ³	--
01/28/98	27.27	20.76	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 ¹²	--
05/08/98	27.27	20.25	7.02	--	56	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 ¹²	--
07/29/98	27.27	18.32	8.95	--	<50	0.9	<0.5	<0.5	<0.5	<2.5/<2.0 ¹²	--
11/06/98	27.27	16.68	10.59	--	72	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 ¹²	--
02/09/99	27.27	21.41	5.86	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0/<1.1 ¹²	--
05/13/99	27.27	19.32	7.95	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 ¹²	--
09/07/99	27.27	17.79	9.48	--	70.2	<0.5	<0.5	<0.5	<0.5	<2.0/<1.0 ¹²	--
11/24/99	27.27	17.22	10.05	--	227	<0.5	<0.5	<0.5	<0.5	<0.5 ¹²	--
02/25/00	27.27	INACCESSIBLE	--	--	--	--	--	--	--	--	--
03/01/00	27.27	21.10	6.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 ¹²	--
05/10/00	27.27	INACCESSIBLE - CAR PARKED OVER WELL	--	--	--	--	--	--	--	--	--
07/31/00	27.27	17.90	9.37	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ¹²	--
10/30/00	27.27	17.80	9.47	--	54.0 ¹⁰	<0.500	<0.500	<0.500	<1.50	<2.50/<2.0 ¹²	--
02/05/01	27.27	INACCESSIBLE - CAR PARKED OVER WELL	--	--	--	--	--	--	--	--	--

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MW-4 (cont)											
05/07/01	27.27	19.46	7.81	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ¹²	--
08/06/01	27.27	17.49	9.78	--	<50	1.1	0.52	<0.50	1.1	6.0/<2.0 ¹²	--
11/12/01	27.27	16.86	10.41	--	93	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ¹²	--
02/11/02	27.27	19.63	7.64	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ¹²	--
05/13/02	27.27	18.95	8.32	--	54	<0.50	0.84	<0.50	<1.5	<2.5/<2 ¹²	--
08/09/02	27.27	18.02	9.25	--	54	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ¹²	--
11/07/02	27.27	16.85	10.42	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ¹²	--
02/04/03	27.27	19.52	7.75	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 ¹²	--
05/05/03	27.27	20.37	6.90	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 ¹²	--
09/06/03 ¹⁴	27.27	17.77	9.50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03 ¹⁴	27.27	17.47	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04 ¹⁴	27.27	19.91	7.36	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04 ¹⁴	27.27	18.99	8.28	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04 ¹⁴	27.27	17.64	9.63	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04 ¹⁴	27.27	18.81	8.46	--	52	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05 ¹⁴	27.27	20.07	7.20	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05 ¹⁴	27.27	19.66	7.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05 ¹⁴	27.27	17.83	9.44	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05 ¹⁴	27.27	18.92	8.35	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/06 ¹⁴	27.27	20.82	6.45	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/31/06 ¹⁴	27.27	19.76	7.51	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/18/06 ¹⁴	27.27	18.85	8.42	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/17/06 ¹⁴	27.27	18.31	8.96	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/09/07 ¹⁴	27.27	19.54	7.73	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/11/07 ¹⁴	27.27	19.67	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/07 ¹⁴	27.27	18.26	9.01	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/08/07 ¹⁴	27.27	18.01	9.26	--	<50	<0.5	<0.5	<0.5	1	1	--
02/07/08 ¹⁴	27.27	20.89	6.38	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08 ¹⁴	27.27	19.15	8.12	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08 ¹⁴	27.27	17.99	9.28	--	75	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08 ¹⁴	27.27	17.34	9.93	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/02/09 ¹⁴	27.27	18.25	9.02	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/01/09 ¹⁴	27.27	18.98	8.29	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/09 ¹⁴	27.27	17.77	9.50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
01/29/10 ¹⁴	27.27	20.70	6.57	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/23/10¹⁴	27.27	18.31	8.96	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

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TRIP BLANK											
05/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/18/93	--	--	--	1,400	<50	<0.5	<0.5	<0.5	<1.5	--	<5,000
11/03/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/10/94	--	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/94	--	--	--	84	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/14/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/22/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0 ¹²	--
05/08/98	--	--	--	--	--	--	--	--	--	<2.0 ¹²	--
07/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0 ¹²	--
11/06/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/09/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/13/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 ¹²	--
09/07/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
11/24/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/25/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/10/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/31/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
10/30/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50	--
02/05/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
05/07/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/10/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/06/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-4612
3616 San Leandro 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)	TOG (µg/L)
QA											
11/12/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/11/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/09/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/07/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/04/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/06/03 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/06 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/31/06 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/18/06 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/17/06 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/09/07 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/11/07 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/07 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/08/07 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/08 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/02/09 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/01/09 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/09 ¹⁴	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

DISCONTINUED

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 10, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	DRO = Diesel Range Organics GRO = Gasoline Range Organics	MTBE = Methyl Tertiary Butyl Ether TOG = Total Oil and Grease
GWE = Groundwater Elevation (msl) = Mean sea level	B = Benzene T = Toluene	(µg/L) = Micrograms per liter NP = No purge
DTW = Depth to Water	E = Ethylbenzene	-- = Not Measured/Not Analyzed
TPH = Total Petroleum Hydrocarbons	X = Xylenes	QA = Quality Assurance/Trip Blank

- * TOC elevations were re-surveyed on March 8, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, being a cut square top of curb at the centerline return at the northwest corner of East 14th and 37th Avenue, (Benchmark Elevation = 38.21 feet, NGVD 29).
- 1 Lab could not get a good ion chromatogram match for MTBE. See laboratory report.
- 2 Chromatogram pattern indicates an unidentified hydrocarbon.
- 3 No value for MTBE could be determined; see lab report for analyses.
- 4 Confirmation run.
- 5 ORC was installed.
- 6 Laboratory report indicates gasoline C6-C12.
- 7 Laboratory report indicates unidentified hydrocarbons <C16.
- 8 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.
- 9 Laboratory report indicates unidentified hydrocarbons >C16.
- 10 Laboratory report indicates hydrocarbon pattern present in the requested fuel quantization range but does not resemble the pattern of the requested fuel.
- 11 ORC in well.
- 12 MTBE by EPA Method 8260.
- 13 Laboratory report indicates unidentified hydrocarbons C9-C17.
- 14 BTEX and MTBE by EPA Method 8260.
- 15 ORC removed from well.
- 16 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier and later than #2 fuel.
- 17 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.
- 18 No Purge, unable to access well with truck.
- 19 Laboratory report indicates the LCS/LCSD recovery for the DRO analysis is outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction so all results are reported from the original extract. Similar results were obtained in both extracts.
- 20 Laboratory report indicates the surrogate data is outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction. therefore, all results are reported from the original extract. The DRO result for the reextraction is 190 ug/l.

Table 2
Dissolved Oxygen Concentrations
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
VH-1	05/10/00	0.90	--
	07/31/00	1.25	--
	10/30/00	1.97	--
	05/07/01	1.10	--
	08/06/01	1.40	--
	11/12/01	0.90	--
	02/11/02	1.10	--
	05/13/02	0.70	--
MW-2	05/10/00	0.57	--
	07/31/00	1.26	--
	10/30/00	1.25	--
	05/07/01	0.90	--
	08/06/01	1.10	--
	11/12/01	0.80	--
	02/11/02	0.60	--
	05/13/02	0.80	--
MW-3	05/10/00	1.56	--
	07/31/00	1.46	--
	10/30/00	1.18	--
	05/07/01	0.70	--
	08/06/01	0.90	--
	11/12/01	0.50	--
	02/11/02	0.80	--
	05/13/02	1.80	--
MW-4	05/10/00	INACCESSIBLE - CAR PARKED OVER WELL	
	07/31/00	0.64	--
	10/30/00	0.97	--
	02/05/01	INACCESSIBLE - CAR PARKED OVER WELL	
	05/07/01	0.50	--
	08/06/01	0.70	--
	11/12/01	1.00	--
	02/11/02	1.00	--
	05/13/02	2.90	--

EXPLANATIONS:

(mg/L) = Milligrams per liter

-- = Not Measured

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
VH-1	02/05/01	<500	<50	160	<2.0	<2.0	<2.0
	05/07/01	--	--	110	--	--	--
	08/06/01	--	--	140	--	--	--
	11/12/01	--	--	61	--	--	--
	02/11/02	--	--	52	--	--	--
	05/13/02	--	--	80	--	--	--
	08/09/02	--	--	89	--	--	--
	11/07/02	--	--	50	--	--	--
	02/04/03	--	--	53	--	--	--
	05/05/03	--	--	62	--	--	--
	09/06/03	--	--	59	--	--	--
	11/14/03	--	--	47	--	--	--
	02/13/04	--	--	47	--	--	--
	05/13/04	--	--	74	--	--	--
	08/17/04	--	--	58	--	--	--
	11/10/04	INACCESSIBLE	--	--	--	--	--
	02/08/05	--	--	48	--	--	--
	06/03/05	--	--	45	--	--	--
	08/05/05	--	--	46	--	--	--
	12/02/05	--	--	57	--	--	--
	03/03/06	--	--	40	--	--	--
	05/31/06	--	--	34	--	--	--
	08/18/06	--	--	33	--	--	--
	11/17/06	--	--	33	--	--	--
	02/09/07	--	--	28	--	--	--
	05/11/07	--	--	26	--	--	--
	08/10/07	--	--	21	--	--	--
	11/08/07	--	--	18	--	--	--
	02/07/08	--	--	14	--	--	--
	05/02/08	--	--	17	--	--	--
	07/31/08	--	--	14	--	--	--
	11/13/08	--	--	12	--	--	--
02/02/09	--	--	12	--	--	--	
05/01/09	--	--	15	--	--	--	

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
VH-1 (cont)	08/10/09	--	--	11	--	--	--
	01/29/10	--	--	13	--	--	--
	08/23/10	--	--	9	--	--	--
MW-2	02/05/01	<500	<50	140	<2.0	<2.0	<2.0
	05/07/01	--	--	88	--	--	--
	08/06/01	--	--	110	--	--	--
	11/12/01	--	--	98	--	--	--
	02/11/02	--	--	86	--	--	--
	05/13/02	--	--	47	--	--	--
	08/09/02	--	--	69	--	--	--
	11/07/02	--	--	69	--	--	--
	02/04/03	--	--	55	--	--	--
	05/05/03	--	--	31	--	--	--
	09/06/03	--	--	54	--	--	--
	11/14/03	--	--	55	--	--	--
	02/13/04	--	--	31	--	--	--
	05/13/04	--	--	34	--	--	--
	08/17/04	--	--	46	--	--	--
	11/10/04	--	--	37	--	--	--
	02/08/05	--	--	22	--	--	--
	06/03/05	--	--	23	--	--	--
	08/05/05	--	--	23	--	--	--
	12/02/05	--	--	24	--	--	--
	03/03/06	--	--	9	--	--	--
	05/31/06	--	--	8	--	--	--
	08/18/06	--	--	14	--	--	--
	11/17/06	--	--	14	--	--	--
	02/09/07	--	--	9	--	--	--
	05/11/07	--	--	8	--	--	--
08/10/07	--	--	9	--	--	--	
11/08/07	--	--	7	--	--	--	
02/07/08	--	--	5	--	--	--	
05/02/08	--	--	4	--	--	--	
07/31/08	--	--	5	--	--	--	

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-2 (cont)	11/13/08	--	--	4	--	--	--
	02/02/09	--	--	5	--	--	--
	05/01/09	--	--	4	--	--	--
	08/10/09	--	--	4	--	--	--
	01/29/10	--	--	5	--	--	--
	08/23/10	--	--	3	--	--	--
MW-3	02/05/01	<500	<50	70	<2.0	<2.0	<2.0
	05/07/01	--	--	49	--	--	--
	08/06/01	--	--	43	--	--	--
	11/12/01	--	--	46	--	--	--
	02/11/02	--	--	42	--	--	--
	05/13/02	--	--	32	--	--	--
	08/09/02	--	--	33	--	--	--
	11/07/02	--	--	37	--	--	--
	02/04/03	--	--	24	--	--	--
	05/05/03	--	--	19	--	--	--
	09/06/03	--	--	28	--	--	--
	11/14/03	--	--	30	--	--	--
	02/13/04	--	--	21	--	--	--
	05/13/04	--	--	20	--	--	--
	08/17/04	--	--	25	--	--	--
	11/10/04	--	--	27	--	--	--
	02/08/05	--	--	11	--	--	--
	06/03/05	--	--	9	--	--	--
	08/05/05	--	--	9	--	--	--
	12/02/05	--	--	7	--	--	--
	03/03/06	--	--	4	--	--	--
	05/31/06	--	--	4	--	--	--
	08/18/06	--	--	6	--	--	--
	11/17/06	--	--	4	--	--	--
02/09/07	--	--	3	--	--	--	
05/11/07	--	--	2	--	--	--	
08/10/07	--	--	2	--	--	--	
11/08/07	--	--	<0.5	--	--	--	

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-3 (cont)	02/07/08	--	--	0.7	--	--	--
	05/02/08	--	--	2	--	--	--
	07/31/08	--	--	1	--	--	--
	11/13/08	--	--	2	--	--	--
	02/02/09	--	--	2	--	--	--
	05/01/09	--	--	2	--	--	--
	08/10/09	--	--	3	--	--	--
	01/29/10	--	--	1	--	--	--
	08/23/10	--	--	2	--	--	--
MW-4	05/07/01	--	--	<2.0	--	--	--
	08/06/01	--	--	<2.0	--	--	--
	11/12/01	--	--	<2	--	--	--
	02/11/02	--	--	<2	--	--	--
	05/13/02	--	--	<2	--	--	--
	08/09/02	--	--	<2	--	--	--
	11/07/02	--	--	<2	--	--	--
	02/04/03	--	--	<0.5	--	--	--
	05/05/03	--	--	<0.5	--	--	--
	09/06/03	--	--	<0.5	--	--	--
	11/14/03	--	--	<0.5	--	--	--
	02/13/04	--	--	<0.5	--	--	--
	05/13/04	--	--	<0.5	--	--	--
	08/17/04	--	--	<0.5	--	--	--
	11/10/04	--	--	<0.5	--	--	--
	02/08/05	--	--	<0.5	--	--	--
	06/03/05	--	--	<0.5	--	--	--
	08/05/05	--	--	<0.5	--	--	--
	12/02/05	--	--	<0.5	--	--	--
	03/03/06	--	--	<0.5	--	--	--
	05/31/06	--	--	<0.5	--	--	--
	08/18/06	--	--	<0.5	--	--	--
	11/17/06	--	--	<0.5	--	--	--
02/09/07	--	--	<0.5	--	--	--	
05/11/07	--	--	<0.5	--	--	--	

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)
MW-4 (cont)	08/10/07	--	--	<0.5	--	--	--
	11/08/07	--	--	1	--	--	--
	02/07/08	--	--	<0.5	--	--	--
	05/02/08	--	--	<0.5	--	--	--
	07/31/08	--	--	<0.5	--	--	--
	11/13/08	--	--	<0.5	--	--	--
	02/02/09	--	--	<0.5	--	--	--
	05/01/09	--	--	<0.5	--	--	--
	08/10/09	--	--	<0.5	--	--	--
	01/29/10	--	--	<0.5	--	--	--
08/23/10	--	--	<0.5	--	--	--	

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
($\mu\text{g/L}$) = Micrograms per liter
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - 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 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 #9-4612
 Site Address: 3616 San Leandro Street
 City: Oakland, CA

Job Number: 386473
 Event Date: 8.23.10 (inclusive)
 Sampler: FT

Well ID: VH-1
 Well Diameter: 2 1/4 in.
 Total Depth: 28.45 ft.
 Depth to Water: 9.28 ft.
19.17 xVF _____ = _____

Date Monitored: 8.23.10

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]: _____

x3 case volume = Estimated Purge Volume: _____ 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: COMP SAMPLE

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): _____ Weather Conditions: SUNNY
 Sample Time/Date: 1120 / 8.23.10 Water Color: CLEAR Odor: D/N MODERATE
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
		<u>6.81</u>	<u>484</u>	<u>23.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VH-1</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

COMMENTS: WELL LOCATED IN BATHTUB OF CLINIC BUILDING.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 386473
 Site Address: 3616 San Leandro Street Event Date: 8.23.10 (inclusive)
 City: Oakland, CA Sampler: FR

Well ID: MW-2
 Well Diameter: 2 1/4 in.
 Total Depth: 19.33 ft.
 Depth to Water: 10.03 ft.
9.30 xVF .17 = 1.58

Date Monitored: 8.23.10

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]: 11.89 x3 case volume = Estimated Purge Volume: 5.0 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1215 Weather Conditions: SUNNY
 Sample Time/Date: 1235 / 8.23.10 Water Color: CLEAN Odor: D/N MODERATE
 Approx. Flow Rate: _____ gpm. Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.95

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>1218</u>	<u>1.5</u>	<u>6.99</u>	<u>455</u>	<u>22.9</u>	_____	_____
<u>1221</u>	<u>3.0</u>	<u>6.95</u>	<u>461</u>	<u>22.8</u>	_____	_____
<u>1225</u>	<u>5.0</u>	<u>6.94</u>	<u>470</u>	<u>22.6</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 386473
 Site Address: 3616 San Leandro Street Event Date: 8.23.10 (inclusive)
 City: Oakland, CA Sampler: FR

Well ID: MW-3
 Well Diameter: 2 1/4 in.
 Total Depth: 18.05 ft.
 Depth to Water: 9.70 ft.
8.35 xVF .17 = 1.41

Date Monitored: 8.23.10

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]: 11.37

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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1140 Weather Conditions: SUNNY
 Sample Time/Date: 1200 / 8.23.10 Water Color: low Odor: D/N MODERATE
 Approx. Flow Rate: _____ gpm. Sediment Description: S. SILTY
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.85

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>1143</u>	<u>1.5</u>	<u>7.12</u>	<u>448</u>	<u>23.0</u>	_____	_____
<u>1146</u>	<u>3.0</u>	<u>7.10</u>	<u>452</u>	<u>22.8</u>	_____	_____
<u>1150</u>	<u>4.0</u>	<u>7.08</u>	<u>458</u>	<u>22.6</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 386473
 Site Address: 3616 San Leandro Street Event Date: 8.23.10 (inclusive)
 City: Oakland, CA Sampler: FR

Well ID: MW-4
 Well Diameter: 2 1/4 in.
 Total Depth: 17.86 ft.
 Depth to Water: 8.96 ft.
8.90 xVF .17 = 1.51

Date Monitored: 8.23.10

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]: 10.74

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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1330 Weather Conditions: Sunny
 Sample Time/Date: 1350 / 8.23.10 Water Color: LT. Blue Odor: Y / 10
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 9.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1333</u>	<u>1.5</u>	<u>7.27</u>	<u>390</u>	<u>23.6</u>	_____	_____
<u>1336</u>	<u>3.0</u>	<u>7.24</u>	<u>396</u>	<u>23.4</u>	_____	_____
<u>1340</u>	<u>4.5</u>	<u>7.22</u>	<u>401</u>	<u>23.0</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody



082316-63

For Lancaster Laboratories use only
 Acct. #: 12099 Sample # 6066849-52 Group #: 018595

CRA MTI Project #: 61H-1996

Analyses Requested

1208759

Facility #: SS#9-4612 G-R#386473 Global ID#T0600100333
 Site Address: 3616 SAN LEANDRO STREET, OAKLAND, CA
 Chevron PM: MTI Lead Consultant: CRAKJ Kiernan
 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: Frank Teninoni

Matrix			Preservation Codes													
			Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissected Lead Method

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers
VH-1	8-23-10	1120	X						6
MW-2		1235	X						6
MW-3		1200	X						6
MW-4		1350	X						6

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 (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>8-23-10</u>	Time: <u>1545</u>	Received by: <u>[Signature]</u>	Date: <u>23 AUG 10</u>	Time: <u>1545</u>
Relinquished by: <u>[Signature]</u>	Date: <u>8/23/10</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>UPS</u> <u>FedEx</u> Other _____	Temperature Upon Receipt: <u>1.8-5.6</u> °C		Received by: <u>[Signature]</u>	Date: <u>8/24/10</u>	Time: <u>0900</u>
			Custody Seals Intact? <u>Yes</u> No		



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17603-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

September 02, 2010

Project: 94612

Submittal Date: 08/24/2010
Group Number: 1208759
PO Number: 94612
Release Number: MTI
State of Sample Origin: CA

RECEIVED

AUG 02 2010

GETTLER-RYAN INC.
GENERAL CONTRACTORS

Client Sample Description

VH-1-W-100823 Grab Water
MW-2-W-100823 Grab Water
MW-3-W-100823 Grab Water
MW-4-W-100823 Grab Water

Lancaster Labs (LLI) #

6066849
6066850
6066851
6066852

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

ELECTRONIC Gettler-Ryan, Inc.
COPY TO
ELECTRONIC Chevron c/o CRA
COPY TO

Attn: Rachelle Munoz

Attn: Report Contact



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Robin C. Runkle".

Robin C. Runkle
Senior Specialist



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: VH-1-W-100823 Grab Water

Facility# 94612 Job# 386473 MTI# 61H-1996 GRD
3616 San Leandro-Oakland T0600100333 VH-1

LLI Sample # WW 6066849
LLI Group # 1208759
Account # 12099

Project Name: 94612

Collected: 08/23/2010 11:20 by FT

Chevron c/o CRA

Suite 110

Submitted: 08/24/2010 09:00

2000 Opportunity Drive

Reported: 09/02/2010 09:16

Roseville CA 95678

Discard: 10/03/2010

46121

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	18	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	9	0.5	1
10943	Toluene	108-88-3	3	0.5	1
10943	Xylene (Total)	1330-20-7	4	0.5	1
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,600	250	5

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F102381AA	08/26/2010 14:07	Anita M Dale	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F102381AA	08/26/2010 14:07	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	10242A20A	08/30/2010 20:48	Tyler O Griffin	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10242A20A	08/30/2010 20:48	Tyler O Griffin	5



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-100823 Grab Water
Facility# 94612 Job# 386473 MTI# 61H-1996 GRD
3616 San Leandro-Oakland T0600100333 MW-2

LLI Sample # WW 6066850
LLI Group # 1208759
Account # 12099

Project Name: 94612

Collected: 08/23/2010 12:35 by FT Chevron c/o CRA
Suite 110
Submitted: 08/24/2010 09:00 2000 Opportunity Drive
Reported: 09/02/2010 09:16 Roseville CA 95678
Discard: 10/03/2010

46122

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	1	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	3	0.5	1
10943	Toluene	108-88-3	0.6	0.5	1
10943	Xylene (Total)	1330-20-7	0.7	0.5	1
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,500	250	5

General Sample Comments

State of California Lab Certification No. 2501
Trip blank vials were not received by the laboratory for this sample group.

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F102381AA	08/26/2010 14:28	Anita M Dale	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F102381AA	08/26/2010 14:28	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	10242A20A	08/30/2010 21:10	Tyler O Griffin	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10242A20A	08/30/2010 21:10	Tyler O Griffin	5



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: MW-3-W-100823 Grab Water

Facility# 94612 **Job#** 386473 **MTI#** 61H-1996 GRD
3616 San Leandro-Oakland T0600100333 MW-3

LLI Sample # WW 6066851

LLI Group # 1208759

Account # 12099

Project Name: 94612

Collected: 08/23/2010 12:00 by FT

Chevron c/o CRA

Suite 110

Submitted: 08/24/2010 09:00

2000 Opportunity Drive

Reported: 09/02/2010 09:16

Roseville CA 95678

Discard: 10/03/2010

46123

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10943	Benzene	71-43-2	N.D.	ug/l 0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B					
01728	TPH-GRO N. CA water C6-C12	n.a.	2,000	ug/l 50	1
GC Extractable TPH SW-846 8015B					
06609	TPH-DRO CA C10-C28	n.a.	410	ug/l 50	1

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z102381AA	08/26/2010 11:52	Daniel H Heller	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z102381AA	08/26/2010 11:52	Daniel H Heller	1
01146	GC VOA Water Prep	SW-846 5030B	1	10242A20A	08/30/2010 20:05	Tyler O Griffin	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10242A20A	08/30/2010 20:05	Tyler O Griffin	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	102360030A	08/25/2010 09:15	Karen R Rettew	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	102360030A	08/27/2010 16:35	Glorines Suarez-Rivera	1



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: MW-4-W-100823 Grab Water

Facility# 94612 Job# 386473 MTI# 61H-1996 GRD
3616 San Leandro-Oakland T0600100333 MW-4

LLI Sample # WW 6066852
LLI Group # 1208759
Account # 12099

Project Name: 94612

Collected: 08/23/2010 13:50 by FT

Chevron c/o CRA

Suite 110

Submitted: 08/24/2010 09:00

2000 Opportunity Drive

Reported: 09/02/2010 09:16

Roseville CA 95678

Discard: 10/03/2010

46124

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z102381AA	08/26/2010 12:18	Daniel H Heller	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z102381AA	08/26/2010 12:18	Daniel H Heller	1
01146	GC VOA Water Prep	SW-846 5030B	1	10242A20A	08/30/2010 16:48	Tyler O Griffin	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10242A20A	08/30/2010 16:48	Tyler O Griffin	1

Quality Control Summary

 Client Name: Chevron c/o CRA
 Reported: 09/02/10 at 09:16 AM

Group Number: 1208759

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

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F102381AA	Sample number(s): 6066849-6066850							
Benzene	N.D.	0.5	ug/l	93	89	79-120	4	30
Ethylbenzene	N.D.	0.5	ug/l	97	92	79-120	5	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94	92	76-120	3	30
Toluene	N.D.	0.5	ug/l	94	89	79-120	5	30
Xylene (Total)	N.D.	0.5	ug/l	94	89	80-120	5	30
Batch number: Z102381AA	Sample number(s): 6066851-6066852							
Benzene	N.D.	0.5	ug/l	86		79-120		
Ethylbenzene	N.D.	0.5	ug/l	91		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		76-120		
Toluene	N.D.	0.5	ug/l	89		79-120		
Xylene (Total)	N.D.	0.5	ug/l	92		80-120		
Batch number: 10242A20A	Sample number(s): 6066849-6066852							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	91	75-135	10	30
Batch number: 102360030A	Sample number(s): 6066851							
TPH-DRO CA C10-C28	N.D.	32.	ug/l	94	85	56-122	10	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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: F102381AA	Sample number(s): 6066849-6066850 UNSPK: P067678								
Benzene	95		80-126	1	30				
Ethylbenzene	99		71-134	2	30				
Methyl Tertiary Butyl Ether	90		72-126	9	30				
Toluene	96		80-125	2	30				
Xylene (Total)	96		79-125	1	30				
Batch number: Z102381AA	Sample number(s): 6066851-6066852 UNSPK: 6066852								
Benzene	94	95	80-126	1	30				
Ethylbenzene	101	100	71-134	2	30				
Methyl Tertiary Butyl Ether	94	102	72-126	9	30				
Toluene	100	98	80-125	2	30				
Xylene (Total)	101	100	79-125	1	30				
Batch number: 10242A20A	Sample number(s): 6066849-6066852 UNSPK: P066004								
TPH-GRO N. CA water C6-C12	127		63-154						

*- 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 c/o CRA
 Reported: 09/02/10 at 09:16 AM

Group Number: 1208759

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
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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: UST VOCs by 8260B - Water
 Batch number: F102381AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6066849	98	98	103	100
6066850	98	97	101	97
Blank	102	99	100	94
LCS	100	101	99	97
LCSD	100	103	100	97
MS	98	100	101	97
Limits:	80-116	77-113	80-113	78-113

 Analysis Name: UST VOCs by 8260B - Water
 Batch number: Z102381AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6066851	98	95	99	104
6066852	99	96	100	97
Blank	100	96	100	97
LCS	99	97	100	100
MS	95	89	102	97
MSD	99	97	100	100
Limits:	80-116	77-113	80-113	78-113

 Analysis Name: TPH-GRO N. CA water C6-C12
 Batch number: 10242A20A
 Trifluorotoluene-F

6066849	113
6066850	107
6066851	153*
6066852	90
Blank	90
LCS	113
LCSD	110
MS	130
Limits:	63-135

 Analysis Name: TPH-DRO CA C10-C28
 Batch number: 102360030A
 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 c/o CRA
Reported: 09/02/10 at 09:16 AM

Group Number: 1208759

Surrogate Quality Control

6066851	80
Blank	83
LCS	105
LCSD	93

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.

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	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.		
ppb	parts per billion		
Dry weight basis	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. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

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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