

Environmental Management  
Company  
6001 Bollinger Canyon Rd, K2256  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
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Karen Streich  
Project Manager

20454

**ChevronTexaco**

February 9, 2005

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

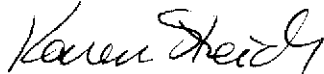
I have reviewed the attached routine groundwater monitoring report dated January 20, 2005.

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,



Karen Streich  
Project Manager

Enclosure: Report



# GETTLER-RYAN INC.

## TRANSMITTAL

January 20, 2005

G-R #386492

TO: Mr. Robert Foss  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

CC: Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, California 94583

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	January 20, 2005	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 17, 2004

### COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **February 8, 2005**, at which time the final report will be distributed to the following:

- cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Terrell A. Sadler, 618 Brooklyn Avenue, Oakland, CA 94606  
Mr. James Scott, BPH, Inc., 333 Hegenberger Road, Suite 209, Oakland, CA 94621  
Mr. Hollis Rodgers, c/o Victor E. Brown, Esq., 580 Grand Avenue, Oakland, CA 94610

Enclosures

trans/206145-KS



# GETTLER-RYAN INC.

January 20, 2005  
G-R Job #386492

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

**RE: Fourth Quarter Event of December 17, 2004**  
Groundwater Monitoring & Sampling Report  
Former Chevron (Signal Oil) Service Station  
#206145 (S-800)  
800 Center Street  
Oakland, California

Dear Ms. Streich:

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.

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

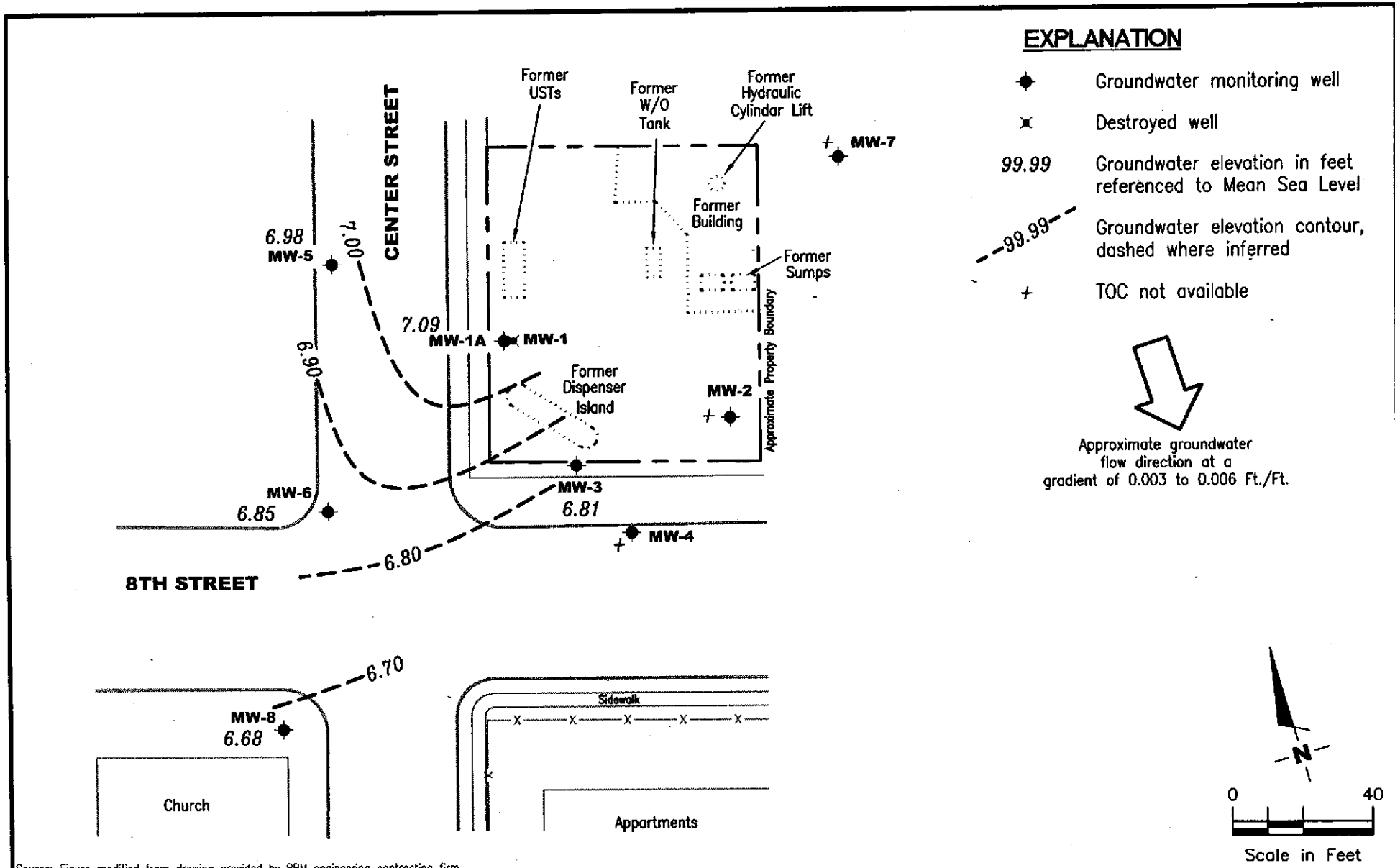
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



Figure 1: Potentiometric Map  
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



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

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

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

FIGURE  
**1**

PROJECT NUMBER 386492	REVIEWED BY	DATE December 17, 2004	REVISED DATE
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**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 (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-1</b>											
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		--	--	--	--	--	--	--	--
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>e</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>c</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>	--
<b>DESTROYED</b>											

**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> (%)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)	
<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>a</sup>	560	8.0	17	9.6	36	<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	--	
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	--	

**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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-2 (cont)</b>											
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>n</sup>	<50	<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>e</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	--

**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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)	
<b>MW-3 (cont)</b>												
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>	--	
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	--	
<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 BIANNUALLY						--	--
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>	



**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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-4 (cont)</b>											
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	--
<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	--	--	--	--	--	--	--	--	--

**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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-5 (cont)</b>											
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	--
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 <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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-6											
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	--
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	--

**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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-6 (cont)</b>											
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 <sup>o</sup>	<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		--	--	--	--	--
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 <sup>g</sup>	<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	--

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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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-7 (cont)</b>											
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>l</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	--
<b>MW-8</b>											
02/14/02 <sup>ij</sup>	15.29	7.30	7.99	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/ <sup>f</sup> <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 <sup>o</sup>	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
<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	--

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800 Center Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>TRIP BLANK (cont)</b>											
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
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	<5.0	--
01/31/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
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	--

**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

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

CUB = Contaminate utilizing bacteria

(cfu/ml) = Colony forming unit per milliliter

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

- \* 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 casing 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> TPH-D with silica gel clean-up.

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

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

DO = Dissolved Oxygen

(mg/L) = Milligram per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

(ppb) = Parts per billion

-- = 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 (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
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	--	--	--	--	--	--	--	--

**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 (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
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
	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

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

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**EXPLANATIONS:**

TBA = Tertiary butyl alcohol  
MTBE = Methyl tertiary butyl ether  
DIPE = Di-isopropyl ether  
ETBE = Ethyl tertiary butyl ether  
TAME = Tertiary amyl methyl ether  
1,2-DCA = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
(ppm) = Parts per million  
(ppb) = Parts per billion  
-- = 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 - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

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, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. 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 possible. 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. 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. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/04 (inclusive)  
 City: Oakland, CA Sampler: C.R.

Well ID: MW-1A Date Monitored: 12/17/04 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 16.80 ft.  
 Depth to Water: 8.40 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

~~15.984~~ x VF 0.17 = 1.428 x 3 case volume = Estimated Purge Volume: 4.5 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 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 Weather Conditions: Clear  
 Sample Time/Date: 1100 12/17/04 Water Color: Clear Odor: yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1033</u>	<u>1.5</u>	<u>7.28</u>	<u>1046</u>	<u>18.6</u>	_____	_____
<u>1038</u>	<u>3</u>	<u>7.26</u>	<u>1058</u>	<u>18.6</u>	_____	_____
<u>1044</u>	<u>4.5</u>	<u>7.29</u>	<u>1051</u>	<u>18.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1A</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2 x Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D w/SG</u>

### COMMENTS:

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/04 (inclusive)  
 City: Oakland, CA Sampler: G. H.

Well ID: MW-2 Date Monitored: 12/17/04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 14.20 ft.

Depth to Water: 8.91 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

5.29 xVF 0.17 = 0.89 x3 case volume = Estimated Purge Volume: 2.5 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 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): 0905 Weather Conditions: Clean  
 Sample Time/Date: 0930 12/17/04 Water Color: Clean Odor: No  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0909</u>	<u>1</u>	<u>7.16</u>	<u>636</u>	<u>18.4</u>		
<u>0912</u>	<u>2</u>	<u>7.11</u>	<u>644</u>	<u>18.6</u>		
<u>0914</u>	<u>2.5</u>	<u>7.10</u>	<u>640</u>	<u>18.5</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-G(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D W/S G</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/04 (inclusive)  
 City: Oakland, CA Sampler: G.N.

Well ID: MW-3 Date Monitored: 12/17/04 Well Condition: OK

Well Diameter: 2 in.  
 Total Depth: 14.45 ft.  
 Depth to Water: 8.59 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

5.80 xVF 0.17 = 0.99 x3 case volume= Estimated Purge Volume: 3 gal.

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

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 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: Clear  
 Sample Time/Date: 1010 12/17/04 Water Color: Clear Odor: Yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0944</u>	<u>1</u>	<u>7.19</u>	<u>785</u>	<u>18.5</u>		
<u>0948</u>	<u>2</u>	<u>7.22</u>	<u>747</u>	<u>18.6</u>		
<u>0952</u>	<u>3</u>	<u>7.20</u>	<u>769</u>	<u>18.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	2 x Amber	YES	NP	LANCASTER	TPH-D w SG

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

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/04 (inclusive)  
 City: Oakland, CA Sampler: G.R.

Well ID: MW-4 Date Monitored: 12/17/04 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 13.40 ft.  
 Depth to Water: 7.67 ft.  
5.73 x VF 0.17 = 0.97 x3 case volume = Estimated Purge Volume: 3 gal.

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

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

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 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): 0825 Weather Conditions: Clear  
 Sample Time/Date: 0855 12/17/04 Water Color: Clear Odor: No  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0830</u>	<u>1</u>	<u>7.13</u>	<u>689</u>	<u>18.5</u>		
<u>0833</u>	<u>2</u>	<u>7.17</u>	<u>492</u>	<u>18.6</u>		
<u>0837</u>	<u>3</u>	<u>7.15</u>	<u>684</u>	<u>18.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2 x Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D w/SL</u>

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

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





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/04 (inclusive)  
 City: Oakland, CA Sampler: Car/L

Well ID: MW-5 Date Monitored: 12/17/04 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 19.30 ft.  
 Depth to Water: 8.03 ft.  
11.27 xVF 0.17 = 1.91 x3 case volume = Estimated Purge Volume: 6 gal.

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

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

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 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): 1110 Weather Conditions: Clear  
 Sample Time/Date: 1145 12/17/04 Water Color: Clear Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1116</u>	<u>2</u>	<u>7.16</u>	<u>812</u>	<u>18.7</u>		
<u>1120</u>	<u>4</u>	<u>7.11</u>	<u>798</u>	<u>18.6</u>		
<u>1124</u>	<u>6</u>	<u>7.09</u>	<u>804</u>	<u>18.6</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2</u> x Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D W/S6</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/07 (inclusive)  
 City: Oakland, CA Sampler: C.R.

Well ID: MW-6 Date Monitored: 12/17/07 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 15.75 ft.  
 Depth to Water: 7.93 ft.  
 $7.93 \times VF \ 0.17 = 1.34$  x3 case volume = Estimated Purge Volume: 4 gal.

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

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

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 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): 1155 Weather Conditions: Clean  
 Sample Time/Date: 1230 12/17/07 Water Color: Clean Odor: No  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1202</u>	<u>1.5</u>	<u>7.11</u>	<u>743</u>	<u>18.6</u>		
<u>1207</u>	<u>3</u>	<u>7.08</u>	<u>729</u>	<u>18.6</u>		
<u>1214</u>	<u>4</u>	<u>7.09</u>	<u>727</u>	<u>18.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
	<u>2</u> x Amber	YES	NP	LANCASTER	TPH-D <u>12/17/07</u>

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

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



# GETTLER-RYAN INC.

5-9711

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/09 (inclusive)  
 City: Oakland, CA Sampler: G.R.

Well ID: MW-7 Date Monitored: 12/17/09 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 15.70 ft.  
 Depth to Water: 9.16 ft.  
6.57 xVF 0.17 = 1.11 x3 case volume = Estimated Purge Volume: 3.5 gal.

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

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

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 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): 0745 Weather Conditions: Clear  
 Sample Time/Date: 0815 12/17/09 Water Color: Clear Odor: No  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0751</u>	<u>1</u>	<u>7.17</u>	<u>684</u>	<u>18.6</u>		
<u>0756</u>	<u>2</u>	<u>7.14</u>	<u>672</u>	<u>18.5</u>		
<u>0800</u>	<u>3.5</u>	<u>7.12</u>	<u>678</u>	<u>18.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2 x Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D W/SG</u>

COMMENTS: Construction material is no longer in this lot

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492  
 Site Address: 800 Center Street Event Date: 12/17/07 (inclusive)  
 City: Oakland, CA Sampler: C.R.

Well ID: MW-8 Date Monitored: 12/17/07 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 20.20 ft.

Depth to Water: 8.61 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

11.59 xVF 0.17 = 1.97 x3 case volume = Estimated Purge Volume: 6 gal.

### Purge Equipment:

Disposable Bailer:   
 Stainless Steel Bailer:   
 Stack Pump:   
 Suction Pump:   
 Grundfos:   
 Other:

### Sampling Equipment:

Disposable Bailer:   
 Pressure Bailer:   
 Discrete Bailer:   
 Other:

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> 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): 1245 Weather Conditions: Clear

Sample Time/Date: 1315 12/17/07 Water Color: Clear Odor: No

Purging Flow Rate: — gpm. Sediment Description: \_\_\_\_\_

Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1250</u>	<u>2</u>	<u>7.04</u>	<u>892</u>	<u>18.7</u>	_____	_____
<u>1255</u>	<u>4</u>	<u>7.01</u>	<u>916</u>	<u>18.4</u>	_____	_____
<u>1257</u>	<u>6</u>	<u>7.06</u>	<u>908</u>	<u>18.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
	<u>2 x Amber</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D w/SG</u>

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

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

# Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10904 For Lancaster Laboratories use only  
 Sample #: 433613-21

SCR# 925669

12704-02

Facility #: SS#206145 G-R#386492 Global ID#T0600102230  
 Site Address: 800 CENTER STREET, OAKLAND, CA  
 Chevron PMS: \_\_\_\_\_ Lead Consultant: GAMBRIA  
 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: G.R.  
 Service Order #: \_\_\_\_\_  Non SAR:

Matrix	Analyses Requested										
	Preservation Codes										
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air	Total Number of Containers										
	H	H									
	BTEX + MTBE 8280	8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 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
- 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	BTEX + MTBE 8280	8021	TPH 8015 MOD	GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	Comments / Remarks	
QA	12/17/04								2												
MW-1A		1100	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-2		0930	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-3		1010	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-4		0855	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-5		1145	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-6		1230	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-7		0815	X			X			5	X	X	X	X	X	X	X	X	X	X	X	
MW-8		1315	X			X			5	X	X	X	X	X	X	X	X	X	X	X	

SEE SIS  
 when the  
 silica gel  
 was added  
 Thanks

**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  
 Type VI (Raw Data)       Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>12/16/04</u>	Time: <u>1340</u>	Received by: <u>[Signature]</u>	Date: <u>12/17/04</u>	Time: <u>1340</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/16/04</u>	Time: <u>1400</u>	Received by: <u>FedEx</u>	Date: <u>12/17/04</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: <u>UPS</u>	Temperature Upon Receipt: <u>08/10</u> °C		Received by: <u>[Signature]</u>	Date: <u>12/17/04</u>	Time: <u>10/0</u>
Custody Seals Intact? <u>(Yes)</u>					



# Analysis Report

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

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

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

### SAMPLE GROUP

The sample group for this submittal is 925669. Samples arrived at the laboratory on Saturday, December 18, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-041217	NA	Water	4433613
MW-1A-W-041217	Grab	Water	4433614
MW-2-W-041217	Grab	Water	4433615
MW-3-W-041217	Grab	Water	4433616
MW-4-W-041217	Grab	Water	4433617
MW-5-W-041217	Grab	Water	4433618
MW-6-W-041217	Grab	Water	4433619
MW-7-W-041217	Grab	Water	4433620
MW-8-W-041217	Grab	Water	4433621

1 COPY TO  
ELECTRONIC  
COPY TO

Cambria C/O Gettler- Ryan  
Gettler-Ryan

Attn: Deanna L. Harding  
Attn: Cheryl Hansen



## 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  
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Michele M. Turner".

Michele M. Turner  
Manager



# 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

Lancaster Laboratories Sample No. WW 4433613

QA-T-041217 NA Water  
Facility# 206145 Job# 386492 GRD  
800 Center St-Oakland T0600102230 QA  
Collected: 12/17/2004

Account Number: 10904

Submitted: 12/18/2004 10:10  
Reported: 01/04/2005 at 10:25  
Discard: 02/04/2005

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

CSOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 06:27	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 06:27	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 06:27	Linda C Pape	1



Lancaster Laboratories Sample No. WW 4433614

 MW-1A-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-1A  
 Collected: 12/17/2004 11:00 by GR

Account Number: 10904

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

 Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:25  
 Discard: 02/04/2005

CSO1A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	2,300.	270.	ug/l	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	560.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	8.0	0.5	ug/l	1
02164	Toluene	108-88-3	17.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	9.6	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	36.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						
MTBE						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/28/2004 16:07	Tracy A Cole	10
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 11:52	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 11:52	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 11:52	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/21/2004 09:00	Claudia M Tabora	1



# Analysis Report

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Lancaster Laboratories Sample No. WW 4433615

MW-2-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-2  
 Collected: 12/17/2004 09:30 by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:25  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	77.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/30/2004	18:52	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004	12:24	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004	12:24	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004	12:24	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	2	12/30/2004	02:30	Felix C Arroyo	1



# Analysis Report

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Lancaster Laboratories Sample No. **WW 4433616**

MW-3-W-041217                      Grab                      Water  
 Facility# 206145    Job# 386492                      GRD  
 800 Center St-Oakland                      T0600102230    MW-3  
 Collected: 12/17/2004 10:10                      by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:25  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT (Water) w/Si Gel	n.a.	2,200.	510.	ug/l	20
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	23,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	1,100.	5.0	ug/l	10
02164	Toluene	108-88-3	2,100.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	1,200.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,600.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	25.	ug/l	10

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.  
 MTBE

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO CALUFT (Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/28/2004 15:41	Tracy A Cole	20
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 12:57	Linda C Pape	10
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 12:57	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 12:57	Linda C Pape	10
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/21/2004 09:00	Claudia M Tabora	1



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Lancaster Laboratories Sample No. WW 4433617

MW-4-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-4  
 Collected: 12/17/2004 08:55 by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:25  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	390.	Detection Limit 50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/25/2004	01:23	Matthew E Barton	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004	13:32	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004	13:32	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004	13:32	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/21/2004	09:00	Claudia M Tabora	1



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Lancaster Laboratories Sample No. WW 4433618

MW-5-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-5  
 Collected: 12/17/2004 11:45 by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:26  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	52.		50.	ug/l	1
01729	TPH-GRO - Waters						
01730	TPH-GRO - Waters	n.a.	N.D.		50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE						
02161	Benzene	71-43-2	N.D.		0.5	ug/l	1
02164	Toluene	108-88-3	N.D.		0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.		1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.		2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/30/2004	19:18	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004	14:05	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004	14:05	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004	14:05	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	2	12/30/2004	02:30	Felix C Arroyo	1



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Lancaster Laboratories Sample No. WW 4433619

MW-6-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-6  
 Collected: 12/17/2004 12:30 by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:26  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	91.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/30/2004 19:44	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 14:38	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 14:38	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 14:38	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	2	12/30/2004 02:30	Felix C Arroyo	1



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Lancaster Laboratories Sample No. WW 4433620

MW-7-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-7  
 Collected: 12/17/2004 08:15 by GR

Account Number: 10904

Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:26  
 Discard: 02/04/2005

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	170.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/30/2004 20:11	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 15:10	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 15:10	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 15:10	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	2	12/30/2004 02:30	Felix C Arroyo	1

Lancaster Laboratories Sample No. WW 4433621

 MW-8-W-041217 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center St-Oakland T0600102230 MW-8  
 Collected: 12/17/2004 13:15 by GR

Account Number: 10904

 Submitted: 12/18/2004 10:10  
 Reported: 01/04/2005 at 10:26  
 Discard: 02/04/2005

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CSO-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06610	TPH-DRO CALUFT(Water) w/Si Gel	n.a.	53.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	N.D.	50.	ug/l	1
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
06610	TPH-DRO CALUFT(Water) w/Si Gel	CALUFT-DRO/8015B, Modified	1	12/30/2004 20:37	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2004 15:42	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	12/21/2004 15:42	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2004 15:42	Linda C Pape	1
02135	Extraction - DRO Water Special	TPH by CA LUFT	2	12/30/2004 02:30	Felix C Arroyo	1



## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 01/04/05 at 10:26 AM

Group Number: 925669

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: 043550007A TPH-DRO CALUFT(Water) w/Si Gel	N.D.	50.	4433614, 4433616-4433617 ug/l	93	98	61-126	5	20
Batch number: 04355A56A TPH-GRO - Waters	N.D.	50.	4433613-4433621 ug/l	105	113	70-130	8	30
Benzene	N.D.	0.5	ug/l	97	92	79-123	6	30
Toluene	N.D.	0.5	ug/l	101	96	82-119	6	30
Ethylbenzene	N.D.	0.5	ug/l	100	94	81-119	6	30
Total Xylenes	N.D.	1.5	ug/l	100	95	82-120	6	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	98	75-125	3	30
Batch number: 043640012A TPH-DRO CALUFT(Water) w/Si Gel	N.D.	50.	4433615, 4433618-4433621 ug/l	89	93	61-126	4	20

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04355A56A TPH-GRO - Waters	132	128	63-154	2	30				
Benzene	80	79	78-131	1	20				
Toluene	81	81	78-129	0	30				
Ethylbenzene	81	83	75-133	3	30				
Total Xylenes	81*	82*	86-132	2	30				
Methyl tert-Butyl Ether	79	84	70-134	6	30				

### Surrogate Quality Control

 Analysis Name: TPH-DRO CALUFT(Water) w/Si Gel  
 Batch number: 043550007A  
 Orthoterphenyl

4433614	73
4433616	83
4433617	93
Blank	86
LCS	118
LCSD	119

\*- Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 01/04/05 at 10:26 AM

Group Number: 925669

### Surrogate Quality Control

Limits: 57-128

Analysis Name: BTEX, MTBE

Batch number: 04355A56A

	Trifluorotoluene-F	Trifluorotoluene-P
4433613	117	91
4433614	114	91
4433615	113	89
4433616	119	101
4433617	111	91
4433618	110	90
4433619	110	89
4433620	113	91
4433621	120	91
Blank	118	89
LCS	109	91
LCSD	120	92
MS	109	72
MSD	114	72

Limits: 57-146

72-128

Analysis Name: TPH-DRO CALUFT (Water) w/Si Gel

Batch number: 043640012A

Orthoterphenyl

4433615	91
4433618	92
4433619	89
4433620	88
4433621	95
Blank	79
LCS	113
LCSD	119

Limits: 57-128

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background 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:

<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>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)

**<** less than - The number following the sign is the limit of quantitation, 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

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is $<CRDL$ , but $\geq IDL$
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results for methods listed on the laboratories' accreditation scope 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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