



# GETTLER-RYAN INC.

JUL 23 2002

## TRANSMITTAL

July 3, 2002  
G-R #386492

# 5344 / 20454

TO: Mr. James Brownell  
Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Suite 200  
Rancho Cordova, California 95670

CC: Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
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**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 25, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 15, 2002

### 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 **July 19, 2002**, 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. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
- 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.

June 25, 2002  
G-R Job #386492

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Second Quarter Event of May 15, 2002**  
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

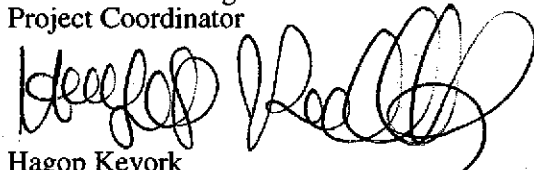
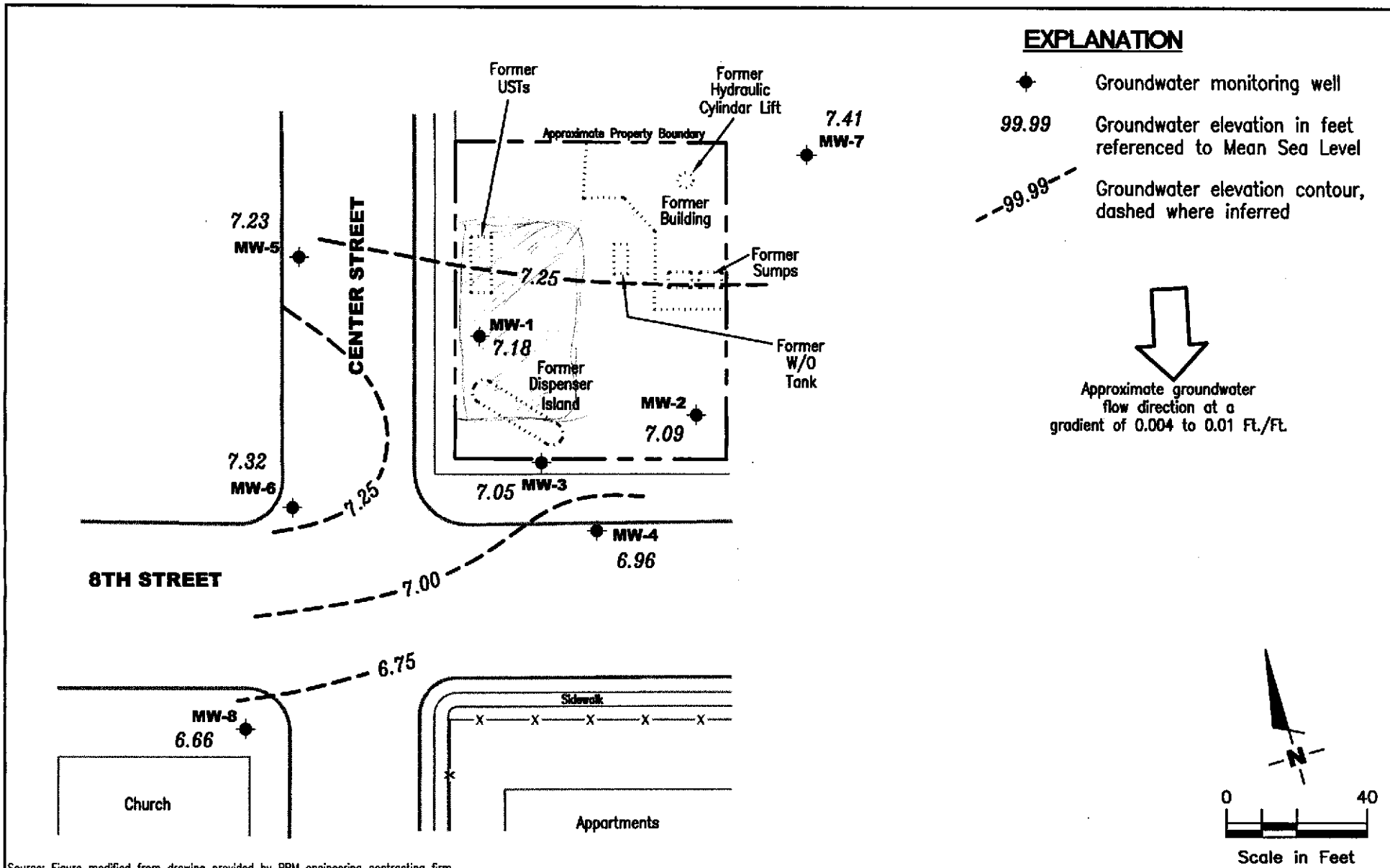
  
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P.E. No. C55734



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 <b>386492</b>	REVIEWED BY	DATE May 15, 2002	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* ( <i>ft.</i> )	GWE ( <i>mst</i> )	DTW ( <i>ft.</i> )	TPH-G ( <i>ppb</i> )	B ( <i>ppb</i> )	T ( <i>ppb</i> )	E ( <i>ppb</i> )	X ( <i>ppb</i> )	MTBE ( <i>ppb</i> )	CUB ( <i>cfu/ml</i> )
MW-1										
10/27/95	15.69	10.54	5.15	170,000	19,000	34,000	4,800	26,000	--	--
02/20/97	15.64	8.96	6.68	18,000	870	3,500	470	2,100	<250	--
04/24/97	15.64	7.30	8.34	76,000	4,600	16,000	1,600	8,300	1,000	--
07/23/97	15.64	5.90	9.74	37,000	2,700	8,000	870	6,100	<250	--
10/29/97	15.64	INACCESSIBLE		--	--	--	--	--	--	--
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>e</sup>	--
08/21/99	15.64	13.27	2.37	46,500	2,530	8,700	1,010	5,300	<1,250/<40 <sup>e</sup>	--
10/28/99	15.64	5.46	10.18	31,600	1,580	6,100	794	4,400	1,270	--
01/31/00	15.64	7.49	8.15	7,270	366	1,280	171	935	<12.5	--
05/19/00	15.64	7.78	7.86	8,000 <sup>e</sup>	870	1,200	430	1,200	<250	--
08/07/00	15.64	6.42	9.22	37,000 <sup>e</sup>	2,400	8,500	1,100	5,500	1,500/<4.0 <sup>f</sup>	--
12/01/00	15.64	5.25	10.39	25,500 <sup>g</sup>	1,390	4,920	801	4,330	<500/<10 <sup>f</sup>	--
02/09/01	15.64	6.10	9.54	8,900 <sup>e</sup>	850	1,300	470	1,700	820/<2.0 <sup>f</sup>	--
05/29/01	15.64	6.79	8.85	24,000 <sup>o</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>	--

**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-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<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	--
08/27/01 <sup>b</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	--

**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-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-3										
10/27/95	15.46	10.37	5.09	33,000	11,000	1,700	2,300	4,200	--	--
02/20/97	15.42	8.37	7.05	260	56	<1.0	7.6	5.9	<5.0	--
04/24/97	15.42	7.29	8.13	1,400	310	28	76	75	74	--
07/23/97	15.42	5.84	9.58	37,000	10,000	1,500	2,700	4,200	2,500	--
10/29/97	15.42	5.09	10.33	53,000	12,000	1,200	3,000	3,100	2,500	--
01/28/98	15.42	8.94	6.48	210	43	1.5	1.7	3.9	10	--
05/11/98	15.42	8.49	6.93	59	11	<0.5	2.1	<0.5	<2.5	--
07/16/98	15.42	7.14	8.28	260	90	4.8	18	5.7	<10	--
08/04/98 <sup>a</sup>	15.42	6.88	8.54	--	--	--	--	--	--	8.5 x 10 <sup>2</sup>
09/03/98 <sup>a</sup>	15.42	6.34	9.08	--	--	--	--	--	--	2.4 x 10 <sup>3</sup>
10/21/98 <sup>b</sup>	15.42	5.62	9.80	--	--	--	--	--	--	6.0 x 10 <sup>1</sup>
11/04/98	15.42	5.60	9.82	73,000	17,000	3,800	4,900	8,100	<250	--
01/26/99	15.42	6.70	8.72	32,400	10,200	1,850	2,650	3,140	715/<500 <sup>c</sup>	--
05/06/99	15.42	7.97	7.45	3,160	668	89.6	180	123	<200/<10 <sup>c</sup>	--
08/21/99	15.42	7.95	7.47	53,800	9,700	2,040	2,880	5,000	<1,250/<40 <sup>c</sup>	--
10/28/99	15.42	5.37	10.05	71,300	14,000	3,420	4,320	8,360	<1,000	--
01/31/00	15.42	7.16	8.26	1,650	496	49.1	134	82.6	<12.5	--
05/19/00	15.42	7.60	7.82	110 <sup>c</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>b</sup>	15.42	5.70	9.72	40,000	7,600	2,800	2,500	2,700	-1/<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>	--

**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-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-4										
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>
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>	--

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

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-5</b>										
01/03/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.03	INACCESSIBLE		--	--	--	--	--	--	--
04/24/97	15.03	INACCESSIBLE		--	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.03	INACCESSIBLE		--	--	--	--	--	--	--
10/29/97	15.03	INACCESSIBLE		--	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--
07/16/98	15.03	7.28	7.75	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--
11/04/98	15.03	INACCESSIBLE		--	--	--	--	--	--	--
01/26/99	15.03	INACCESSIBLE		--	--	--	--	--	--	--
05/06/99	15.03	INACCESSIBLE		--	--	--	--	--	--	--
08/21/99	15.03	6.74	8.29	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
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	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
08/27/01	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
11/28/01	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>	--
<b>MW-6</b>										
01/03/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	14.73	8.11	6.62	800	310	23	11	28	<12	--
04/24/97	14.73	7.13	7.60	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--



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

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

WELL ID/ DATE	TOC* (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>MW-7 (cont)</b>										
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	<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	--
<b>MW-8</b>										
02/14/02 <sup>l</sup>	15.29	7.30	7.99	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>f</sup>	--
05/15/02 <sup>k</sup>	15.29	6.66	8.63	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

**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-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
<b>TRIP BLANK</b>										
02/20/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<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	--

**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-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

\* TOC elevations were surveyed on December March 4, 2002, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, #25-H monument disk in well casting in sidewalk at the northwest corner of 7th and Center. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83), (Benchmark Elevation = 10.784 feet NGVD 29).

<sup>a</sup> Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

<sup>b</sup> Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

<sup>c</sup> Confirmation run.

<sup>d</sup> Chromatogram pattern indicates an unidentified hydrocarbon.

<sup>e</sup> Laboratory report indicates gasoline C6-C12.

<sup>f</sup> MTBE by EPA Method 8260.

<sup>g</sup> Laboratory reports indicates weathered gasoline C6-C12.

<sup>h</sup> TPH-G and BTEX by EPA Method 8260.

<sup>i</sup> Well development performed.

<sup>j</sup> Total Petroleum Hydrocarbons as Diesel (TPH-D) was detected at 130 ppb.

<sup>k</sup> TPH-D was less than the reporting limit.

**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	[REDACTED]	<20	<20	<20	<20	<20	<20
	11/28/01	--	<500	[REDACTED]	<2	<2	<2	<2	<2	<2
	02/14/02	--	<500	<100	<2	<2	<2	<2	<2	<2
	05/15/02	--	<500	[REDACTED]	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
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	<2.0	<2.0	<2.0	38	9801	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	[REDACTED]	<2	<2	<2	<2	120	<2
	MW-4	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	18
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

**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
MW-6	08/07/00	--	<500	<100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/27/01	--	--	--	<5.0	--	--	--	--	--
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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride 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 Chevron-designated 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 Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5/15/07

City: Oakland, CA

Sampler: GR

Well ID MW-1

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 13.90 ft.

Depth to Water 8.45 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

5.45 x VF 0.17 = .93 X 3 (case volume) = Estimated Purge Volume: 3 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1125

Weather Conditions: Sunny

Sampling Time: 1210

Water Color: Clear Odor: NO

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1135</u>	<u>1</u>	<u>7.61</u>	<u>281</u>	<u>23.7</u>			
<u>1150</u>	<u>2</u>	<u>7.56</u>	<u>273</u>	<u>23.7</u>			
<u>1200</u>	<u>3</u>	<u>7.41</u>	<u>269</u>	<u>23.7</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6 XVOA VIALS</u>	<u>Y</u>	<u>ACL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe/poahs(3x6)</u>

COMMENTS: new well depth

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5-15-02

City: Oakland, CA

Sampler: David Okimoto/Greg

Well ID mw-2

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 10.25 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

Depth to Water 8.60 ft.

1.65 X VF .17 = .28 X 3 (case volume) = Estimated Purge Volume: 55 gal.

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1030

Weather Conditions: Sunny

Sampling Time: 1107

Water Color: clear Odor: none

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? no

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1042</u>	<u>.3</u>	<u>6.96</u>	<u>727</u>	<u>23° C</u>			
<u>1053</u>	<u>.6</u>	<u>6.93</u>	<u>725</u>	<u>23° C</u>			
<u>1100</u>	<u>.9</u>	<u>6.89</u>	<u>721</u>	<u>23° C</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-2</u>	<u>3 X JOR JIANS</u>	<u>Y</u>	<u>HCL</u>	<u>LANGASTER</u>	<u>TPH(G)/btex/mtbe</u>

COMMENTS: new well depths

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5/12/02

City: Oakland, CA

Sampler: G. Pagan

Well ID MW-3

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 14.30 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

Depth to Water 8.35 ft.

5.95 x VF .17 = 1.0 x 3 (case volume) = Estimated Purge Volume: 3 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1225

Weather Conditions: Sunny

Sampling Time: 1310

Water Color: Clear Odor: Yes

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1240</u>	<u>1</u>	<u>7.41</u>	<u>839</u>	<u>22.5</u>			
<u>1250</u>	<u>2</u>	<u>7.30</u>	<u>833</u>	<u>22.5</u>			
<u>1300</u>	<u>3</u>	<u>7.22</u>	<u>826</u>	<u>22.5</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6 X 10A JARS</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u>

COMMENTS: new well depths

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON  
 Facility # 206145  
 Address: 800 Center St.  
 City: Oakland, CA

Job#: 386492  
 Date: 5-15-02  
 Sampler: David Okamoto / Greg

Well ID: mw-4 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 9.10 ft.  
 Depth to Water: 7.41 ft.

Hydrocarbon Thickness:	Amount Bailed (Gallons)		
(feet)	(product)	(water)	(total)
2" = 0.17	3" = 0.38	4" = 0.66	
6" = 1.50	12" = 5.80		

1.69 x VF .17 = .29 x 3 (case volume) = Estimated Purge Volume: 0.9 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 11:23 Weather Conditions: Sunny  
 Sampling Time: 11:51 Water Color: Clear Odor: None  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1129</u>	<u>.3</u>	<u>7.67</u>	<u>710</u>	<u>25.1<math>^{\circ}</math>C</u>			
<u>1137</u>	<u>.6</u>	<u>7.62</u>	<u>703</u>	<u>25.1<math>^{\circ}</math>C</u>			
<u>1143</u>	<u>.9</u>	<u>7.50</u>	<u>695</u>	<u>25.1<math>^{\circ}</math>C</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-4</u>	<u>6 XVOA DRAMS</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPHIGI/btex/mtbe</u>

COMMENTS: new well depths

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5/15/02

City: Oakland, CA

Sampler: G. Poyers

Well ID mw-5

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.20 ft.

Depth to Water 7.78 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.42 x VF <sup>17</sup> ~~17~~ = 1.94 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 0900  
 Sampling Time: 0945  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? No

Weather Conditions: Sunny  
 Water Color: light brown Odor: No  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>0910</u>	<u>2</u>	<u>8.19</u>	<u>441</u>	<u>20.9</u>			
<u>0921</u>	<u>4</u>	<u>8.15</u>	<u>434</u>	<u>21.0</u>			
<u>0930</u>	<u>6</u>	<u>8.11</u>	<u>434</u>	<u>21.0</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>mw-5</u>	<u>6 X VOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe</u> <u>8000 by 8700</u>

COMMENTS: New well depth - Replaced Padlock + cap.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/ **CHEVRON**

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5/15/02

City: Oakland, CA

Sampler: G. Agos

Well ID MW-6

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 8.65 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

Depth to Water 7.36 ft.

1.29 X VF 1.22 = 1.57 X 3 (case volume) = Estimated Purge Volume: 166 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 0955

Weather Conditions: Sunny

Sampling Time: 1030

Water Color: Clear Odor: NO

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1005</u>	<u>.2</u>	<u>7.84</u>	<u>384</u>	<u>30.5</u>			
<u>1010</u>	<u>.4</u>	<u>7.79</u>	<u>379</u>	<u>30.5</u>			
<u>1015</u>	<u>.60</u>	<u>7.74</u>	<u>374</u>	<u>30.5</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3 X VOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>LANGASTER</u>	<u>TPH(G)/btex/mtbe</u>

COMMENTS: New well depth

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5-15-02

City: Oakland, CA

Sampler: David Okimoto / Greg

Well ID MW-7

Well Condition: fine

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed 0 (Gallons)

Total Depth 18.20 ft.

Depth to Water 8.90 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

9.30 x VF .17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 0930

Weather Conditions: sunny

Sampling Time: 0940 1010

Water Color: light brown Odor: none

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? no

If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>0940</u>	<u>1.5</u>	<u>7.40</u>	<u>240</u>	<u>22.3<math>^{\circ}</math>C</u>			
<u>0948</u>	<u>3.0</u>	<u>7.73</u>	<u>275</u>	<u>22.3<math>^{\circ}</math>C</u>			
<u>0955</u>	<u>4.5</u>	<u>7.74</u>	<u>258</u>	<u>22.3<math>^{\circ}</math>C</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESEV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>3 XVOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH(GI)/btex/mtbe</u>

COMMENTS: new well depths



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON

Facility # 206145

Job#: 386492

Address: 800 Center St.

Date: 5/15/02

City: Oakland, CA

Sampler: G. Reyes

Well ID MW-8

Well Condition: OK

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 19.85 ft.

Depth to Water 8.63 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.22 x VF ~~1.9~~ = 1.9 x 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 1045

Weather Conditions: Sunny

Sampling Time: 1110

Water Color: Brown Odor: NO

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1055</u>	<u>2</u>	<u>8.09</u>	<u>434</u>	<u>24.7</u>			
<u>1157</u>	<u>4</u>	<u>8.01</u>	<u>479</u>	<u>24.8</u>			
<u>1100</u>	<u>6</u>	<u>7.94</u>	<u>424</u>	<u>24.8</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3 XVOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>LANGASTER</u>	<u>TPH(G)/btex/mtbe</u>
<u>"</u>	<u>2 Amber</u>	<u>Y</u>	<u>N.P</u>	<u>"</u>	<u>TPH-D</u>

COMMENTS: New well depth Installed padlock

# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 10905 Sample #: 3822506-500 SCR#: 519 CR 5/18/02

051702-014

Facility #: <u>206145</u> Job # <u>386492</u> Global ID# <u>T0600102230</u> Site Address: <u>800 CENTER ST., OAKLAND, CA</u> Chevron PM: <u>Karen Streich</u> Lead Consultant: <u>DELTA/G-R</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding</u> (Deanna@grinc.com) Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>G. Kogut</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____				<b>Analyses Requested</b> Preservation Codes H H H H H BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021 TPH 8015 MOD GRO TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan 8 Oxygenates <u>5x 8260</u> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>		<b>Preservative Codes</b> H = HCl T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits							
<b>Sample Identification</b>				Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Total Number of Containers									
		Date Collected	Time Collected	Grab	Composite								
		<u>5/15/02</u>											
		<u>QA</u>											
		<u>MW-1</u>	<u>1210</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-2</u>	<u>1107</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-3</u>	<u>1310</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-4</u>	<u>1151</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-5</u>	<u>0945</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-6</u>	<u>1030</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-7</u>	<u>1010</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
		<u>MW-8</u>	<u>1110</u>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<b>Comments / Remarks</b>													
Turnaround Time Requested (TAT) (please circle) <u>STD. TAT</u> 72 hour 48 hour 24 hour 4 day 5 day				Relinquished by: <u>[Signature]</u> Date: <u>5/15/02</u> Time: _____ Relinquished by: <u>[Signature]</u> Date: <u>5/17/02</u> Time: <u>1400</u> Relinquished by: <u>[Signature]</u> Date: <u>5-17-02</u> Time: <u>1530</u>		Received by: <u>[Signature]</u> Date: <u>5/17/02</u> Time: <u>1125</u> Received by: <u>[Signature]</u> Date: <u>5/17/02</u> Time: <u>1400</u> Received by: <u>[Signature]</u> Date: <u>5-17-02</u> Time: _____		Relinquished by Commercial Carrier: UPS FedEx <u>Other</u> <u>Airborne</u> Temperature Upon Receipt <u>2-5 c°</u>		Received by: <u>[Signature]</u> Date: <u>5/18/02</u> Time: <u>0920</u> Custody Seals Intact? <u>Yes</u> No			
Data Package Options (please circle if required) QC Summary Type I — Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk													



RECEIVED

JUN 03 2002

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

GETTLER-RYAN INC  
GENERAL CONTRACTOR

925-842-8582

Prepared by:

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

## SAMPLE GROUP

The sample group for this submittal is 808121. Samples arrived at the laboratory on Saturday, May 18, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-020515	NA	Water	3822506
MW-1-W-020515	Grab	Water	3822507
MW-2-W-020515	Grab	Water	3822508
MW-3-W-020515	Grab	Water	3822509
MW-4-W-020515	Grab	Water	3822510
MW-5-W-020515	Grab	Water	3822511
MW-6-W-020515	Grab	Water	3822512
MW-7-W-020515	Grab	Water	3822513
MW-8-W-020515	Grab	Water	3822514

## METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Delta C/O Gettler-Ryan

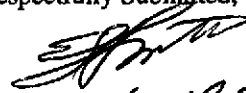
Attn: Deanna L. Harding





Questions? Contact your Client Services Representative  
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

  
*Deborah A. Smith*  
*Senior Chemist*



Lancaster Laboratories, Inc.  
2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3822506**

Collected: 05/15/2002 00:00

Account Number: 10905

Submitted: 05/18/2002 09:00

ChevronTexaco

Reported: 05/30/2002 at 15:14

6001 Bollinger Canyon Rd L4310

Discard: 06/30/2002

San Ramon CA 94583

QA-T-020515                      NA                      Water  
 Facility# 206145      Job# 386492                      GRD  
 800 Center-Oakland                      T0600102230      QA

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.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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	05/21/2002 10:06	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 10:06	Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 10:06	Anastasia Papadoplos	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or above the Reporting Limit



Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3822507**

Collected: 05/15/2002 12:10 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:14  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-1-W-020515 Grab Water GRD  
 Facility# 206145 Job# 386492  
 800 Center-Oakland T0600102230 MW-1

16145

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.	37,000.	1,300.	ug/l	25
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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	2,400.	5.0	ug/l	25
00777	Toluene	108-88-3	7,300.	5.0	ug/l	25
00778	Ethylbenzene	100-41-4	1,000.	5.0	ug/l	25
00779	Total Xylenes	1330-20-7	4,800.	15.	ug/l	25
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	100.	ug/l	25
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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. Methyl t-butyl ether						
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	5
02010	Methyl t-butyl ether	1634-04-4	N.D. #	3.0	ug/l	5
02011	di-Isopropyl ether	108-20-3	N.D. #	3.0	ug/l	5
02013	Ethyl t-butyl ether	637-92-3	N.D. #	3.0	ug/l	5
02014	t-Amyl methyl ether	994-05-8	N.D. #	3.0	ug/l	5
02015	t-Butyl alcohol	75-65-0	120.	100.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D. #	3.0	ug/l	5
05412	1,2-Dibromoethane	106-93-4	N.D. #	3.0	ug/l	5

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected above the Reporting Limit



Lancaster Laboratories, Inc.  
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 Lancaster, PA 17605-2425  
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3822507

Collected: 05/15/2002 12:10 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00

Reported: 05/30/2002 at 15:14

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 06/30/2002

MW-1-W-020515 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center-Oakland T0600102230 MW-1

16145

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 21:46	Anastasia Papadopoulos	25
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 21:46	Anastasia Papadopoulos	25
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/21/2002 23:08	Nicole S Lamoreaux	5
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 21:46	Anastasia Papadopoulos	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 23:08	Nicole S Lamoreaux	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or 5 Above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3822508

Collected: 05/15/2002 11:07 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:14  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-2-W-020515 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center-Oakland T0600102230 MW-2

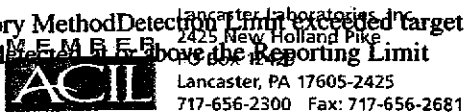
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 17:41	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 17:41	Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 17:41	Anastasia Papadoplos	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected above the Reporting Limit







Lancaster Laboratories Sample No. **WW 3822509**

Collected: 05/15/2002 13:10 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:15  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-3-W-020515 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center-Oakland T0600102230 MW-3

36145

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.	4,100.	250.	ug/l	5
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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	910.	1.0	ug/l	5
00777	Toluene	108-88-3	250.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	210.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	240.	3.0	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	20.	ug/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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. Methyl t-butyl ether						
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	110.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	120.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

#=Laboratory Method Detection Limit exceeds target detection limit  
 N.D.=Not detected or above the Reporting Limit



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Lancaster Laboratories Sample No. **WW 3822509**

Collected: 05/15/2002 13:10 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00  
Reported: 05/30/2002 at 15:15  
Discard: 06/30/2002

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

MW-3-W-020515 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center-Oakland T0600102230 MW-3

36145

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
State of California Lab Certification No. 2116						

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002	21:11	Anastasia Papadoplos	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002	21:11	Anastasia Papadoplos	5
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/22/2002	00:02	Nicole S Lamoreaux	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002	21:11	Anastasia Papadoplos	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/22/2002	00:02	Nicole S Lamoreaux	n.a.

#=Laboratory Method Detection Limit Exceeded target detection limit  
N.D.=Not detected above the Reporting Limit



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Lancaster Laboratories Sample No. **WW 3822510**

Collected: 05/15/2002 11:51 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00

ChevronTexaco

Reported: 05/30/2002 at 15:15

6001 Bollinger Canyon Rd L4310

Discard: 06/30/2002

San Ramon CA 94583

MW-4-W-020515

Grab Water

Facility# 206145

Job# 386492

GRD

800 Center-Oakland T0600102230 MW-4

46145

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.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	4.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	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
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#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3822510

Collected: 05/15/2002 11:51 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00  
Reported: 05/30/2002 at 15:15  
Discard: 06/30/2002

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

MW-4-W-020515 Grab Water  
Facility# 206145 Job# 386492 GRD  
800 Center-Oakland T0600102230 MW-4

46145							
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 18:16	Anastasia Papadoplos	1	
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 18:16	Anastasia Papadoplos	1	
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/21/2002 07:10	Marla S Lord	1	
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 18:16	Anastasia Papadoplos	n.a.	
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 07:10	Marla S Lord	n.a.	

#=Laboratory Method Detection Limit Exceeded target detection limit  
N.D.=Not detected above the Reporting Limit



Lancaster Laboratories, Inc.  
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Lancaster Laboratories Sample No. WW 3822511

Collected: 05/15/2002 09:45 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:15  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-5-W-020515                      Grab                      Water  
 Facility# 206145                      Job# 386492                      GRD  
 800 Center-Oakland                      T0600102230                      MW-5

56145

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.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	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
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#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected or above the Reporting Limit



Lancaster, PA 17605-2425  
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Lancaster Laboratories Sample No. WW 3822511

Collected: 05/15/2002 09:45 by GR

Account Number: 10905

Submitted: 05/18/2002 09:00

Reported: 05/30/2002 at 15:15

Discard: 06/30/2002

MW-5-W-020515

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center-Oakland

T0600102230 MW-5

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

56145

01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 18:51	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 18:51	Anastasia Papadoplos	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/21/2002 16:03	Nicole S Lamoreaux	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 18:51	Anastasia Papadoplos	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/21/2002 16:03	Nicole S Lamoreaux	n.a.

#=Laboratory Method Detection Limit Exceeded target detection limit

N.D.=Not detected Above the Reporting Limit



Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3822512**

Collected: 05/15/2002 10:30 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:15  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-6-W-020515                      Grab                      Water  
 Facility# 206145      Job# 386492                      GRD  
 800 Center-Oakland                      T0600102230      MW-6

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.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

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### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 19:26		Anastasia Papadopoulos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 19:26		Anastasia Papadopoulos	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 19:26		Anastasia Papadopoulos	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



2425 New Holland Pike  
 Lancaster, PA 17605-2425  
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Lancaster Laboratories Sample No. WW 3822513

Collected: 05/15/2002 10:10 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:15  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-7-W-020515 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center-Oakland T0600102230 MW-7

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.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 20:01		Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 20:01		Anastasia Papadoplos	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 20:01		Anastasia Papadoplos	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected above the Reporting Limit



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Lancaster Laboratories Sample No. **WW 3822514**

Collected: 05/15/2002 11:10 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00  
 Reported: 05/30/2002 at 15:15  
 Discard: 06/30/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-8-W-020515 Grab Water  
 Facility# 206145 Job# 386492 GRD  
 800 Center-Oakland T0600102230 MW-8

86145

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.	n.a.	N.D.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.	n.a.	N.D.	50.	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.	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
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	05/22/2002 07:37	Devin M Lahr	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/21/2002 20:36	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/21/2002 20:36	Anastasia Papadoplos	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected above the Reporting Limit



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Lancaster Laboratories Sample No. WW 3822514

Collected: 05/15/2002 11:10 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00

Reported: 05/30/2002 at 15:15

Discard: 06/30/2002

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

MW-8-W-020515 Grab Water

Facility# 206145 Job# 386492 GRD

800 Center-Oakland T0600102230 MW-8

86145

01146	GC VOA Water Prep	SW-846 5030B	1	05/21/2002 20:36	Anastasia Papadopoulos	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	05/21/2002 09:00	Denise L Trimby	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected or above the Reporting Limit



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### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 05/30/02 at 03:15 PM

Group Number: 808121

#### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max
Batch number: 021400017A								
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	91	99	54-120	8	20
Batch number: 02140B56A								
Benzene	N.D.	0.5	ug/l	112	113	80-118	1	30
Toluene	N.D.	0.5	ug/l	114	114	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	115	115	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	115	115	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	105	106	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	115	99	76-126	14	30
Batch number: 02140B56B								
Benzene	N.D.	0.5	ug/l	112	113	80-118	1	30
Toluene	N.D.	0.5	ug/l	114	114	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	115	115	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	115	115	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	105	106	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	115	99	76-126	14	30
Batch number: V021361AC								
Ethanol	N.D.	500.	ug/l	95		44-139		
Methyl t-butyl ether	N.D.	2.	ug/l	100		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	96		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	102		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	108		59-139		
1,2-Dichloroethane	N.D.	2.	ug/l	104		77-132		
1,2-Dibromoethane	N.D.	2.	ug/l	105		84-119		
Batch number: V021411AA								
Ethanol	N.D.	500.	ug/l	101		44-139		
Methyl t-butyl ether	N.D.	2.	ug/l	100		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	100		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	104		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	107		59-139		
1,2-Dichloroethane	N.D.	2.	ug/l	100		77-132		
1,2-Dibromoethane	N.D.	2.	ug/l	105		84-119		
Batch number: V021411AB								
Ethanol	N.D.	500.	ug/l	101		44-139		
Methyl t-butyl ether	N.D.	2.	ug/l	100		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	100		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	104		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	107		59-139		
1,2-Dichloroethane	N.D.	2.	ug/l	100		77-132		
1,2-Dibromoethane	N.D.	2.	ug/l	105		84-119		

#### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup
	%REC	%REC	Limits	RPD	MAX	Conc	RPD	RPD Max
Batch number: 02140B56A								
Benzene				114				77-131

\*- 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.



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Client Name: ChevronTexaco  
Reported: 05/30/02 at 03:15 PM

Group Number: 808121

**Sample Matrix Quality Control**

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	Max
Toluene	117		80-128					
Ethylbenzene	118		76-132					
Total Xylenes	118		76-132					
Methyl tert-Butyl Ether	105		61-144					
TPH-GRO - Waters	114		74-132					

Batch number: 02140B56B	Sample number(s): 3822507-3822514
Benzene	114 77-131
Toluene	117 80-128
Ethylbenzene	118 76-132
Total Xylenes	118 76-132
Methyl tert-Butyl Ether	105 61-144
TPH-GRO - Waters	114 74-132

Batch number: V021361AC	Sample number(s): 3822510
Ethanol	64* 81 70-130 24 30
Methyl t-butyl ether	95 97 69-134 2 30
di-Isopropyl ether	99 96 68-133 2 30
Ethyl t-butyl ether	97 96 73-123 1 30
t-Amyl methyl ether	105 102 69-118 2 30
t-Butyl alcohol	107 110 51-148 3 30
1,2-Dichloroethane	117 103 75-141 11 30
1,2-Dibromoethane	105 92 78-120 14 30

Batch number: V021411AA	Sample number(s): 3822511
Ethanol	97 92 70-130 6 30
Methyl t-butyl ether	98 96 69-134 2 30
di-Isopropyl ether	102 99 68-133 3 30
Ethyl t-butyl ether	97 97 73-123 0 30
t-Amyl methyl ether	103 102 69-118 1 30
t-Butyl alcohol	102 103 51-148 1 30
1,2-Dichloroethane	103 101 75-141 2 30
1,2-Dibromoethane	107 106 78-120 0 30

Batch number: V021411AB	Sample number(s): 3822507,3822509
Ethanol	97 92 70-130 6 30
Methyl t-butyl ether	98 96 69-134 2 30
di-Isopropyl ether	102 99 68-133 3 30
Ethyl t-butyl ether	97 97 73-123 0 30
t-Amyl methyl ether	103 102 69-118 1 30
t-Butyl alcohol	102 103 51-148 1 30
1,2-Dichloroethane	103 101 75-141 2 30
1,2-Dibromoethane	107 106 78-120 0 30

**Surrogate Quality Control**

Analysis Name: TPH - DRO CA LUFT (Waters)  
Batch number: 021400017A  
Orthoterphenyl

3822514	91
Blank	82
LCS	81
LCSD	91

Limits: 59-139

\*- 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.





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### Quality Control Summary

Client Name: ChevronTexaco  
 Reported: 05/30/02 at 03:15 PM

Group Number: 808121

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters

Batch number: 02140B56A

	Trifluorotoluene-F	Trifluorotoluene-P
3822506	101	100
Blank	101	100
LCS	112	99
LCSD	110	100
MS	111	99
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters

Batch number: 02140B56B

	Trifluorotoluene-F	Trifluorotoluene-P
3822507	94	103
3822508	99	100
3822509	100	101
3822510	99	97
3822511	98	100
3822512	96	100
3822513	100	100
3822514	97	100
Blank	100	100
LCS	112	99
LCSD	110	100
MS	111	99
Limits:	67-135	71-130

Analysis Name: BTEX + Oxygenates by 8260B

Batch number: V021361AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3822510	106	106	100	102
Blank	102	108	100	104
LCS	103	104	108	105
MS	103	105	100	103
MSD	105	106	89	94
Limits:	86-118	80-120	88-110	86-115

Analysis Name: BTEX + Oxygenates by 8260B

Batch number: V021411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3822511	103	105	102	101
Blank	102	108	100	104
LCS	103	106	103	104
MS	102	109	104	104
MSD	103	106	105	107
Limits:	86-118	80-120	88-110	86-115

Analysis Name: BTEX + Oxygenates by 8260B

Batch number: V021411AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3822507	100	105	97	104
3822509	101	105	101	105
Blank	103	104	106	106

\*- Outside of specification

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## Quality Control Summary

Client Name: ChevronTexaco  
 Reported: 05/30/02 at 03:15 PM

Group Number: 808121

### Surrogate Quality Control

LCS	103	106	103	104
MS	102	109	104	104
MSD	103	106	105	107
Limits:	86-118	80-120	88-110	86-115

\*- 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.



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