

Environmental Management
Company
6001 Bollinger Canyon Rd, L4050
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
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Karen Streich
Project Manager

NO 454 ✓

July 13, 2004

ChevronTexaco

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

Alameda County
JUL 15 2004
Environmental Health

Re: Chevron Service Station # 206145

Address: 800 Center Street, Oakland, California


I have reviewed the attached routine groundwater monitoring report dated June 28, 2004.

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

Alameda County
JUL 15 2004
G-R #386492

June 28, 2004

TO: Ms. Kristene Tidwell
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**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 25, 2004	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 28, 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 **July 12, 2004**, 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.

June 25, 2004
G-R Job #386492

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

RE: Second Quarter Event of May 28, 2004
Groundwater Monitoring & Sampling Report
Former Chevron (Signal Oil) Service Station
#206145 (S-800)
800 Center Street
Oakland, California

Dear Ms. Streich:

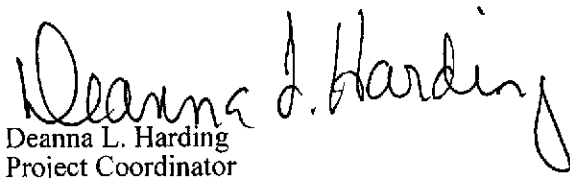
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

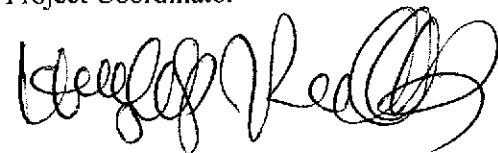
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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,

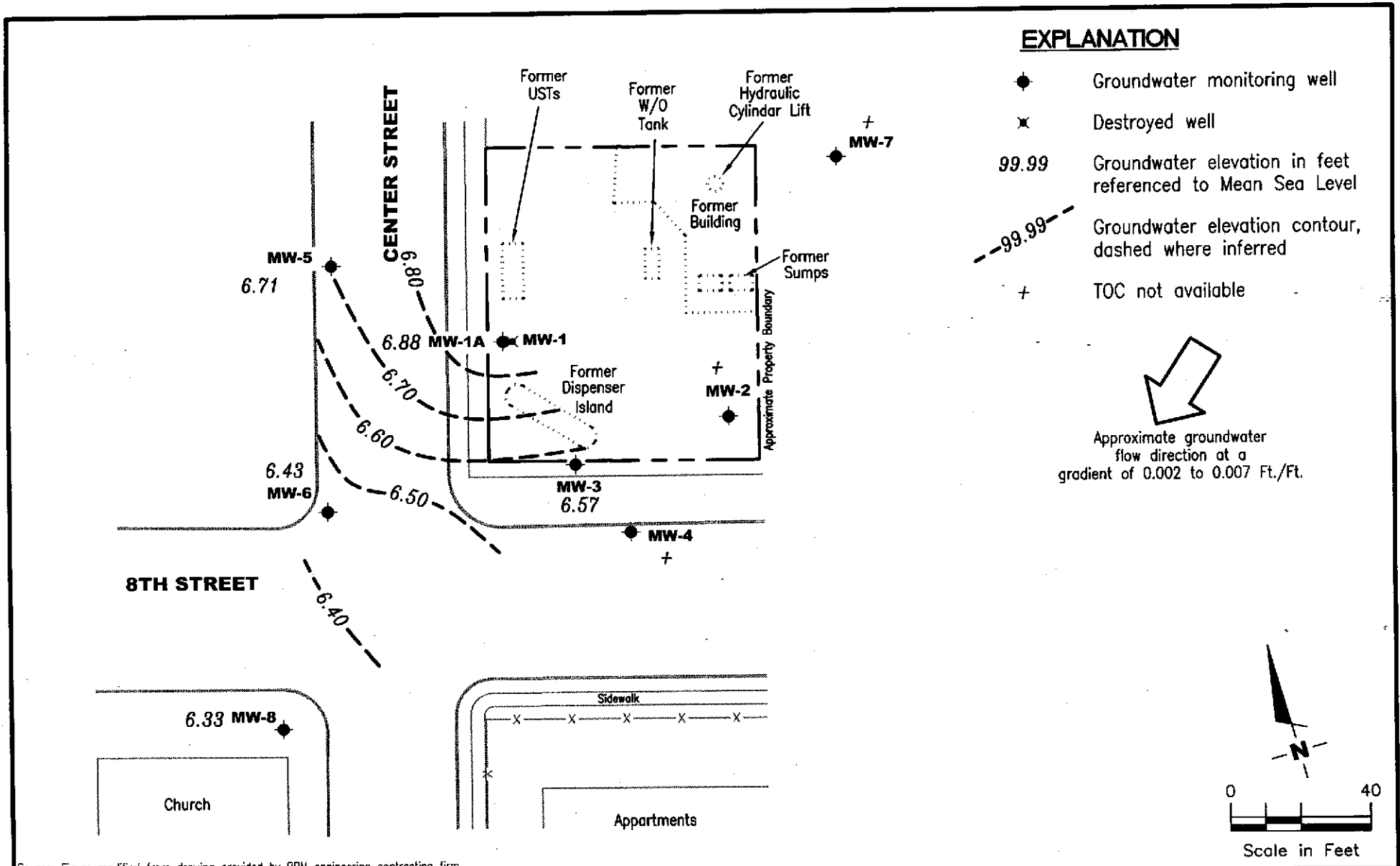

Deanna L. Harding
Project Coordinator



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
 May 28, 2004

REVISED DATE

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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
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 ^a	15.64	6.90	8.74	--	--	--	--	--	--	--	<1.0 x 10 ¹
09/03/98 ^a	15.64	6.43	9.21	--	--	--	--	--	--	--	4.1 x 10 ³
10/21/98 ^b	15.64	5.59	10.05	--	--	--	--	--	--	--	4.7 x 10 ²
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 ^c	--
08/21/99	15.64	13.27	2.37	--	46,500	2,530	8,700	1,010	5,300	<1,250/<40 ^c	--
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 ^e	870	1,200	430	1,200	<250	--
08/07/00	15.64	6.42	9.22	--	37,000 ^e	2,400	8,500	1,100	5,500	1,500/<4.0 ^f	--
12/01/00	15.64	5.25	10.39	--	25,500 ^g	1,390	4,920	801	4,330	<500/<10 ^f	--
02/09/01	15.64	6.10	9.54	--	8,900 ^e	850	1,300	470	1,700	820/<2.0 ^f	--
05/29/01	15.64	6.79	8.85	--	24,000 ^e	1,800	5,600	740	3,700	<250/<2.0 ^f	--
08/27/01 ^h	15.64	5.83	9.81	--	27,000	1,400	4,400	710	3,400	--/<20 ^f	--
11/28/01	15.64	5.84	9.80	--	26,000	1,300	3,900	620	3,400	<100/<2 ^f	--
02/14/02	15.63	8.34	7.29	--	1,400	100	360	45	240	9.3/<2 ^f	--
05/15/02	15.63	7.18	8.45	--	37,000	2,400	7,300	1,000	4,800	<100/<3.0 ^f	--
08/05/02	15.63	6.09	9.54	--	27,000	1,500	4,600	700	3,400	<100/<3.0 ^f	--
DESTROYED											
MW-1A											
02/24-25/03 ^l	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	--

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-1A (cont)												
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	--	
MW-2												
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 ^d	<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 ^a	15.72	7.03	8.69	--	--	--	--	--	--	--	1.9 x 10 ¹	
09/03/98 ^a	15.72	6.44	9.28	--	--	--	--	--	--	--	3.0 x 10 ²	
10/21/98 ^b	15.72	5.51	10.21	--	--	--	--	--	--	--	8.8 x 10 ²	
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 ^f	--	
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 ^h	15.72	5.68	10.04	--	<50	<0.50	<0.50	<0.50	<0.50	--/ <5.0 ^f	--	
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	--	

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

WELL ID/ DATE	TOC* (fl.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)	
MW-2 (cont)												
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 ¹	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 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
09/02/03	15.69	5.97	9.72	150 ^m	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
11/21/03	-- ⁿ	-- ⁿ	10.39	180	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
02/27/04	-- ⁿ	-- ⁿ	6.90	310	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
05/28/04	-- ⁿ	-- ⁿ	9.13	160	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
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 ⁿ	15.42	6.88	8.54	--	--	--	--	--	--	--	8.5 x 10 ²	
09/03/98 ^a	15.42	6.34	9.08	--	--	--	--	--	--	--	2.4 x 10 ³	
10/21/98 ^b	15.42	5.62	9.80	--	--	--	--	--	--	--	6.0 x 10 ¹	
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 ^c	--	
05/06/99	15.42	7.97	7.45	--	3,160	668	89.6	180	123	<200/<10 ^c	--	
08/21/99	15.42	7.95	7.47	--	53,800	9,700	2,040	2,880	5,000	<1,250/<40 ^c	--	
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 ^e	36	2.5	9.1	4.0	6.3	--	
08/07/00	15.42	6.29	9.13	--	36,000 ^e	9,000	3,000	2,700	2,800	2,500/<10 ^f	--	
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 ^e	11,000	3,900	3,200	4,800	3,200/<2.0 ^f	--	
05/29/01	15.42	6.65	8.77	--	13,000	4,200	2,000	1,800	1,500	74/<2.0 ^f	--	

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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)	
MW-3 (cont)												
08/27/01 ^h	15.42	5.70	9.72	--	40,000	7,600	2,800	2,500	2,700	--/ <25 ^f	--	
11/28/01	15.42	5.77	9.65	--	57,000	10,000	2,900	2,900	2,800	<250/<5.0 ^f	--	
02/14/02	15.40	7.73	7.67	--	51	2.9	<0.50	1.9	1.8	<2.5/<2 ^f	--	
05/15/02	15.40	7.05	8.35	--	4,100	910	250	210	240	<20/<2 ^f	--	
08/05/02	15.40	5.96	9.44	--	58,000	11,000	4,300	3,400	4,000	<250/<10 ^f	--	
11/30/02	15.40	5.14	10.26	--	46,000	13,000	2,900	3,700	2,600	<100/<10 ^f	--	
02/24-25/03 ^l	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	--	
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 ^a	14.40	6.28	8.12	--	--	--	--	--	--	--	1.8 x 10 ⁴	
09/03/98 ^a	14.40	6.32	8.08	--	--	--	--	--	--	--	1.4 x 10 ⁴	
10/21/98 ^b	14.40	5.64	8.76	--	--	--	--	--	--	--	8.6 x 10 ⁴	
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	--	

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-4 (cont)											
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 ^f	--
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 ^f	--
05/15/02	14.37	6.96	7.41	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
08/05/02	14.37	DRY	--	--	--	--	--	--	--	--	--
11/30/02	14.37	DRY	--	--	--	--	--	--	--	--	--
02/24-25/03 ¹	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	-- ⁿ	-- ⁿ	10.24	560	110	25	0.6	1.5	<1.5	<2.5	--
02/27/04	-- ⁿ	-- ⁿ	5.71	340	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
05/28/04	-- ⁿ	-- ⁿ	7.88	430	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
MW-5											
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		--	--	--	--	--	--	--	--

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 ^a (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-5 (cont)											
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 ^f	--
02/09/01	15.03	6.22	8.81	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ^f	--
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 ^f	--
05/15/02	15.01	7.23	7.78	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
08/05/02	15.01	6.13	8.88	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
11/30/02	15.01	5.27	9.74	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
02/24-25/03 ¹	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	--
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 ^a	14.73	6.89	7.84	--	--	--	--	--	--	--	8.6 x 10 ³
09/03/98 ^a	14.73	6.24	8.49	--	--	--	--	--	--	--	2.9 x 10 ³

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)	
MW-6 (cont)												
10/21/98 ^b	14.73	5.46	9.27	--	--	--	--	--	--	--	1.8 x 10 ³	
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 ^f	--	
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 ^h	14.73	9.83	4.90	--	150	<0.50	5.7	<0.50	<0.50	--/<5.0 ^f	--	
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 ¹	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	--	
05/28/04	14.68	6.43	8.25	150	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	
MW-7												
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	--	

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-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
MW-7 (cont)											
05/11/98	16.36	9.11	7.25	--	SAMPLED ANNUALLY		--	--	--	--	--
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98 ^a	16.36	7.32	9.04	--	--	--	--	--	--	--	1.5 x 10 ³
09/03/98 ^a	16.36	6.65	9.71	--	--	--	--	--	--	--	6.5 x 10 ²
10/21/98 ^b	16.36	5.96	10.40	--	--	--	--	--	--	--	4.8 x 10 ³
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 ^f	--
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 ^h	16.36	6.02	10.34	--	<50	<0.50	<0.50	<0.50	<0.50	--/<5.0 ^f	--
11/28/01	16.36	6.09	10.27	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	16.31	8.21	8.10	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/15/02	16.31	7.41	8.90	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02	16.31	6.26	10.05	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02	16.31	5.39	10.92	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 ^l	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	-- ⁿ	-- ⁿ	9.40	91	<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-8											
02/14/02 ^{ij}	15.29	7.30	7.99	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ^f	--
05/15/02 ^k	15.29	6.66	8.63	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/05/02 ^k	15.29	5.48	9.81	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/30/02 ^k	15.29	4.85	10.44	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/24-25/03 ^l	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	--
TRIP BLANK											
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 ^h	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--/<5.0 ^f	--

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

WELL ID/ DATE	TOC* (fl.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	CUB (cfu/ml)
QA				--							
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	--

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	TPH-G = Total Petroleum Hydrocarbons as Gasoline	CUB = Contaminate utilizing bacteria
(ft.) = Feet	B = Benzene	(cfu/ml) = Colony forming unit per milliliter
GWE = Groundwater Elevation	T = Toluene	(ppb) = Parts per billion
(msl) = Mean sea level	E = Ethylbenzene	-- = Not Measured/Not Analyzed
DTW = Depth to Water	X = Xylenes	QA = Quality Assurance/Trip Blank
TPH-D = Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	

- * 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).
- ^a Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.
- ^b Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.
- ^c Confirmation run.
- ^d Chromatogram pattern indicates an unidentified hydrocarbon.
- ^e Laboratory report indicates gasoline C6-C12.
- ^f MTBE by EPA Method 8260.
- ^g Laboratory reports indicates weathered gasoline C6-C12.
- ^h TPH-G and BTEX by EPA Method 8260.
- ⁱ Well development performed.
- ^j TPH-D was detected at 130 ppb.
- ^k TPH-D was <50 ppb.
- ^l Well re-development performed.
- ^m Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- ⁿ TOC damaged; unable to calculate an accurate GWE.

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 ¹	<2.0	<2.0	<2.0	38	980 ¹	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
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

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

¹ 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: 5/28/04 (inclusive)
 City: Oakland, CA Sampler: C-R

Well ID: MW-1A Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 1680 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

8.19 xVF 0.17 = 1.39 x3 (case volume) = Estimated Purge Volume: 4 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 1230 Weather Conditions: Overcast Drizzle
 Sample Time/Date: 1300 5/28/04 Water Color: _____ 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>1235</u>	<u>1.5</u>	<u>7.61</u>	<u>626</u>	<u>17.7</u>	_____	_____
<u>1238</u>	<u>3</u>	<u>7.64</u>	<u>638</u>	<u>17.8</u>	_____	_____
<u>1244</u>	<u>4</u>	<u>7.58</u>	<u>633</u>	<u>17.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1A	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)
MW-1A	x amber	YES	NP	LANCASTER	TPH-D
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New well Data taken

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386492
 Event Date: 5/28/04 (inclusive)
 Sampler: G.R.

Well ID: MW-2 Date Monitored: 5/28/04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 14.20 ft.
 Depth to Water: 9.13 ft.
5.07 xVF 0.17 = 0.86 x3 (case volume) = Estimated Purge Volume: 2.5 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 Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 2 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1115 Weather Conditions: Overcast - Drizzle
 Sample Time/Date: 1145 5/28/04 Water Color: _____ 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>1121</u>	<u>1</u>	<u>7.67</u>	<u>726</u>	<u>17.7</u>	_____	_____
<u>1124</u>	<u>2</u>	<u>7.61</u>	<u>741</u>	<u>17.8</u>	_____	_____
<u>1127</u>	<u>2.5</u>	<u>7.58</u>	<u>733</u>	<u>17.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: New well Dye Tr taken

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: 5/28/04 (inclusive)
 City: Oakland, CA Sampler: G.R.

Well ID: MW-3 Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 14.45 ft.
 Depth to Water: 8.83 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

5.62 xVF 0.17 = 0.95 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 0900 Weather Conditions: Overcast Drizzle
 Sample Time/Date: 0930 5/28/04 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>0904</u>	<u>1</u>	<u>7.58</u>	<u>823</u>	<u>17.8</u>	_____	_____
<u>0908</u>	<u>2</u>	<u>7.51</u>	<u>831</u>	<u>17.8</u>	_____	_____
<u>0910</u>	<u>3</u>	<u>7.56</u>	<u>833</u>	<u>17.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: New well Depth taken

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: 5/28/09 (inclusive)
 City: Oakland, CA Sampler: G.R.

Well ID: MW-4 Date Monitored: 5/28/09 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 1340 ft.
 Depth to Water: 7.88 ft.
 $5.52 \times VF \ 0.17 = 0.94 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } \underline{3} \text{ gal.}$

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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 1155 Weather Conditions: Overcast Drizzle
 Sample Time/Date: 1220 5/28/09 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 (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1200</u>	<u>1</u>	<u>7.48</u>	<u>826</u>	<u>17.9</u>	_____	_____
<u>1204</u>	<u>2</u>	<u>7.41</u>	<u>814</u>	<u>17.8</u>	_____	_____
<u>1207</u>	<u>3</u>	<u>7.40</u>	<u>809</u>	<u>17.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: New well depth taken
Dried cement chisel from lid to access bolts

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386492
 Event Date: 5/28/04 (inclusive)
 Sampler: G.R.

Well ID: MW-5 Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 19.30 ft.
 Depth to Water: 8.30 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

11.00 x VF 0.17 = 1.87 x3 (case volume) = Estimated Purge Volume: 5.5 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 0945 Weather Conditions: Overcast - Drizzly
 Sample Time/Date: 1020 5/28/04 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>0949</u>	<u>2</u>	<u>7.49</u>	<u>892</u>	<u>17.9</u>	_____	_____
<u>0954</u>	<u>4</u>	<u>7.35</u>	<u>887</u>	<u>17.8</u>	_____	_____
<u>1000</u>	<u>5.5</u>	<u>7.31</u>	<u>881</u>	<u>17.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: New well Depth taken

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: 5/28/04 (inclusive)
 City: Oakland, CA Sampler: G.L.

Well ID: MW-6 Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 15.75 ft.

Depth to Water: 8.25 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

7.50 x VF 0.17 = 1.27 x3 (case volume) = Estimated Purge Volume: 3.5 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 Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1035 Weather Conditions: Overcast - Drizzle
 Sample Time/Date: 1105 5/28/04 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>1040</u>	<u>1</u>	<u>7.48</u>	<u>1063</u>	<u>17.9</u>	_____	_____
<u>1043</u>	<u>2</u>	<u>7.52</u>	<u>1051</u>	<u>17.9</u>	_____	_____
<u>1047</u>	<u>3.0</u>	<u>7.41</u>	<u>1054</u>	<u>17.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: Checked asphalt from surface of lids to access bds

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: 5/28/04 (inclusive)
 City: Oakland, CA Sampler: G.R.

Well ID: MW-7 Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 15.70 ft.
 Depth to Water: 9.40 ft.
6.30 xVF 0.17 = 1.07 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 0730 Weather Conditions: Overcast - Drizzle
 Sample Time/Date: 0800 5/28/04 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>0735</u>	<u>1</u>	<u>7.51</u>	<u>808</u>	<u>17.8</u>		
<u>0738</u>	<u>2</u>	<u>7.51</u>	<u>796</u>	<u>17.8</u>		
<u>0745</u>	<u>3</u>	<u>7.51</u>	<u>799</u>	<u>17.7</u>		

LABORATORY INFORMATION

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

COMMENTS: Partially buried - uncovered - this well's vault has been repaired since last event - T.O.C. slightly damaged elevation possibly changed - note loss of total depth (19.35 to 15.70)

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

New well Dept taken



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #206145 Job Number: 386492
 Site Address: 800 Center Street Event Date: 5/28/04 (inclusive)
 City: Oakland, CA Sampler: G.R.

Well ID: MW-8 Date Monitored: 5/28/04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 7220 ft.

Depth to Water: 8.96 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

11.74 xVF 0.17 = 1.91 x3 (case volume) = Estimated Purge Volume: 5.5 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 Bailed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> ft
Visual Confirmation/Description:	_____
Skimmer / Absorbent Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Product Transferred to:	_____

Start Time (purge): 0810 Weather Conditions: Overcast Drizzle
 Sample Time/Date: 0845 5/28/04 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>0816</u>	<u>2</u>	<u>7.43</u>	<u>1148</u>	<u>18.1</u>	_____	_____
<u>0820</u>	<u>4</u>	<u>7.36</u>	<u>1133</u>	<u>18.0</u>	_____	_____
<u>0826</u>	<u>5.5</u>	<u>7.38</u>	<u>1131</u>	<u>18.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



Analysis Report

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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 898122. Samples arrived at the laboratory on Wednesday, June 02, 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-040528	NA	Water	4284278
MW-1A-W-040528	Grab	Water	4284279
MW-2-W-040528	Grab	Water	4284280
MW-3-W-040528	Grab	Water	4284281
MW-4-W-040528	Grab	Water	4284282
MW-5-W-040528	Grab	Water	4284283
MW-6-W-040528	Grab	Water	4284284
MW-7-W-040528	Grab	Water	4284285
MW-8-W-040528	Grab	Water	4284286

1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Tina L. Thoman".

Tina L. Thoman
Senior Chemist, Coordinator



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4284278

QA-T-040528 NA Water
Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 QA
Collected: 05/28/2004

Account Number: 10904

Submitted: 06/02/2004 08:35
Reported: 06/07/2004 at 15:25
Discard: 07/08/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CEQAT

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	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/03/2004	10:42	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/03/2004	10:42	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/03/2004	10:42	Linda C Pape	n.a.



Analysis Report

2425 New Holland Pkwy, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2000 Fax: 717-656-2001 • www.lancasterlabs.com

Lancaster Laboratories Sample No. **WW 4284279**

MW-1A-W-040528 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-1A
Collected: 05/28/2004 13:00 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
Reported: 06/07/2004 at 15:25
Discard: 07/08/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CEMW1

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).	n.a.	5,500.	250.	ug/l	10
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.	1,100.	50.	ug/l	1
02159	BTEX, MTBE					
02161	Benzene	71-43-2	35.	0.5	ug/l	1
02164	Toluene	108-88-3	81.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	27.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	140.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	17.	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		
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/04/2004 04:33	Devin M Hetrick	10
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/03/2004 12:56	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/03/2004 12:56	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/03/2004 12:56	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4284280

MW-2-W-040528 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-2
Collected: 05/28/2004 11:45 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
Reported: 06/07/2004 at 15:25
Discard: 07/08/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CEMW2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
05553	TPH - DRO CA LUFT (Waters)	n.a.	160.	Detection Limit	ug/l	1
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).						
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		
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015E, Modified	1	06/05/2004 06:26	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/03/2004 13:30	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021E	1	06/03/2004 13:30	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/03/2004 13:30	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4284281

MW-3-W-040528 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center St-Oakland T0600102230 MW-3
 Collected: 05/28/2004 09:30 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
 Reported: 06/07/2004 at 15:25
 Discard: 07/08/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CEMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	5,400.	130.	ug/l	5
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).						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	18,000.	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	2,600.	5.0	ug/l	10
02164	Toluene	108-88-3	970.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	1,600.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	950.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	100.	ug/l	10
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/05/2004 08:46	Devin M Hetrick	5
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 05:31	Linda C Pape	10
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 05:31	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030E	1	06/04/2004 05:31	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4284282

MW-4-W-040528 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center St-Oakland T0600102230 MW-4
 Collected: 05/28/2004 12:20 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
 Reported: 06/07/2004 at 15:25
 Discard: 07/08/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CEMW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	430.	50.	ug/l	1
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).						
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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/04/2004 19:06	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 06:04	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 06:04	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/04/2004 06:04	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4284283

MW-5-W-040528 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center St-Oakland T0600102230 MW-5
 Collected: 05/28/2004 10:20 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
 Reported: 06/07/2004 at 15:25
 Discard: 07/08/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CEMW5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	76.	50.	ug/l	1
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).						
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

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/05/2004 06:49	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 06:38	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 06:38	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/04/2004 06:38	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4284284

MW-6-W-040528 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center St-Oakland T0600102230 MW-6
 Collected: 05/28/2004 11:05 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
 Reported: 06/07/2004 at 15:25
 Discard: 07/08/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CEMW6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	150.	50.	ug/l	1
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).						
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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/05/2004 07:36	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 07:11	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 07:11	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/04/2004 07:11	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4284285

MW-7-W-040528 Grab Water
 Facility# 206145 Job# 386492 GRD
 800 Center St-Oakland T0600102230 MW-7
 Collected: 05/28/2004 08:00 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
 Reported: 06/07/2004 at 15:25
 Discard: 07/08/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

CEMW7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	91.	50.	ug/l	1
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).						
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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/05/2004 08:00	Devin M Hetrick	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 07:45	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 07:45	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/04/2004 07:45	Linda C Pape	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4284286

MW-8-W-040528 Grab Water
Facility# 206145 Job# 386492 GRD
800 Center St-Oakland T0600102230 MW-8
Collected: 05/28/2004 08:45 by GR

Account Number: 10904

Submitted: 06/02/2004 08:35
Reported: 06/07/2004 at 15:25
Discard: 07/08/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CEMW8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	72.	50.	ug/l	1
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).						
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
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/05/2004 07:13	Devin M Hetrick	1
01729	TEH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/04/2004 08:18	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	06/04/2004 08:18	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/04/2004 08:18	Martha L Seidel	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/02/2004 23:30	Felix C Arroyo	1

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 06/07/04 at 03:25 PM

Group Number: 898122

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: 041540011A TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	88	86	61-126	1	20
Batch number: 04154A55A TPH-GRO - Waters	N.D.	50.	ug/l	87	94	70-130	8	30
Benzene	N.D.	0.5	ug/l	101	104	79-123	3	30
Toluene	N.D.	0.5	ug/l	101	103	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	95	98	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	96	99	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	103	75-125	2	30
Batch number: 04154A55B TPH-GRO - Waters	N.D.	50.	ug/l	87	94	70-130	8	30
Benzene	N.D.	0.5	ug/l	101	104	79-123	3	30
Toluene	N.D.	0.5	ug/l	101	103	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	95	98	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	96	99	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	103	75-125	2	30

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: 04154A55A TPH-GRO - Waters	91	106	63-154						
Benzene	106	106	67-136						
Toluene	106	103	78-129						
Ethylbenzene	103	103	75-133						
Total Xylenes	103	100	86-132						
Methyl tert-Butyl Ether	100		59-148						
Batch number: 04154A55B TPH-GRO - Waters	91	106	63-154						
Benzene	106	106	67-136						
Toluene	106	103	78-129						
Ethylbenzene	103	103	75-133						
Total Xylenes	103	100	86-132						
Methyl tert-Butyl Ether	100		59-148						

*- 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: 06/07/04 at 03:25 PM

Group Number: 898122

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 041540011A
Orthoterphenyl

4284279	64
4284280	88
4284281	115
4284282	85
4284283	84
4284284	83
4284285	84
4284286	89
Blank	84
LCS	117
LCSD	125

Limits: 57-128

Analysis Name: BTEX, MTBE
Batch number: 04154A55A

	Trifluorotoluene-F	Trifluorotoluene-P
4284278	91	95
4284279	96	99
4284280	89	94
Blank	91	96
LCS	93	95
LCSD	96	95
MS	94	94

Limits: 57-146

66-136

Analysis Name: BTEX, MTBE
Batch number: 04154A55B

	Trifluorotoluene-F	Trifluorotoluene-P
4284281	95	96
4284282	89	94
4284283	89	97
4284284	89	94
4284285	90	96
4284286	91	96
Blank	0*	94
LCS	93	95
LCSD	96	95
MS	94	94

Limits: 57-146

66-136

*- 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:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value - The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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