

Environmental Management
Company
6001 Bollinger Canyon Rd, K2256
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

Karen Streich
Project Manager

Re 464 ✓

ChevronTexaco

February 11, 2005

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

Alameda County
FEB 16 2005
Environmental Health

Re: Chevron Service Station #9-1851

Address: 451 Hegenberger Road, Oakland, California

I have reviewed the attached routine groundwater monitoring report dated January 25, 2005.

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

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

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

Sincerely,



Karen Streich
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

January 25, 2005
G-R #385145

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

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

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

RE: Chevron Service Station
#9-1851
451 Hegenberger Road
Oakland, California
RO 0000464

Alameda County
Environmental Health
FEB 16 2005

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 24, 2005	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 20, 2004

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *February 10, 2005*, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Ben Shimek, (Owner), 31 Industrial Way, Greenbrae, CA 94904

Enclosures

trans/9-1851-ks



GETTLER-RYAN INC.

January 24, 2005
G-R Job #385145

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

RE: Fourth Quarter Event of December 20, 2004
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1851
451 Hegenberger Road
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.

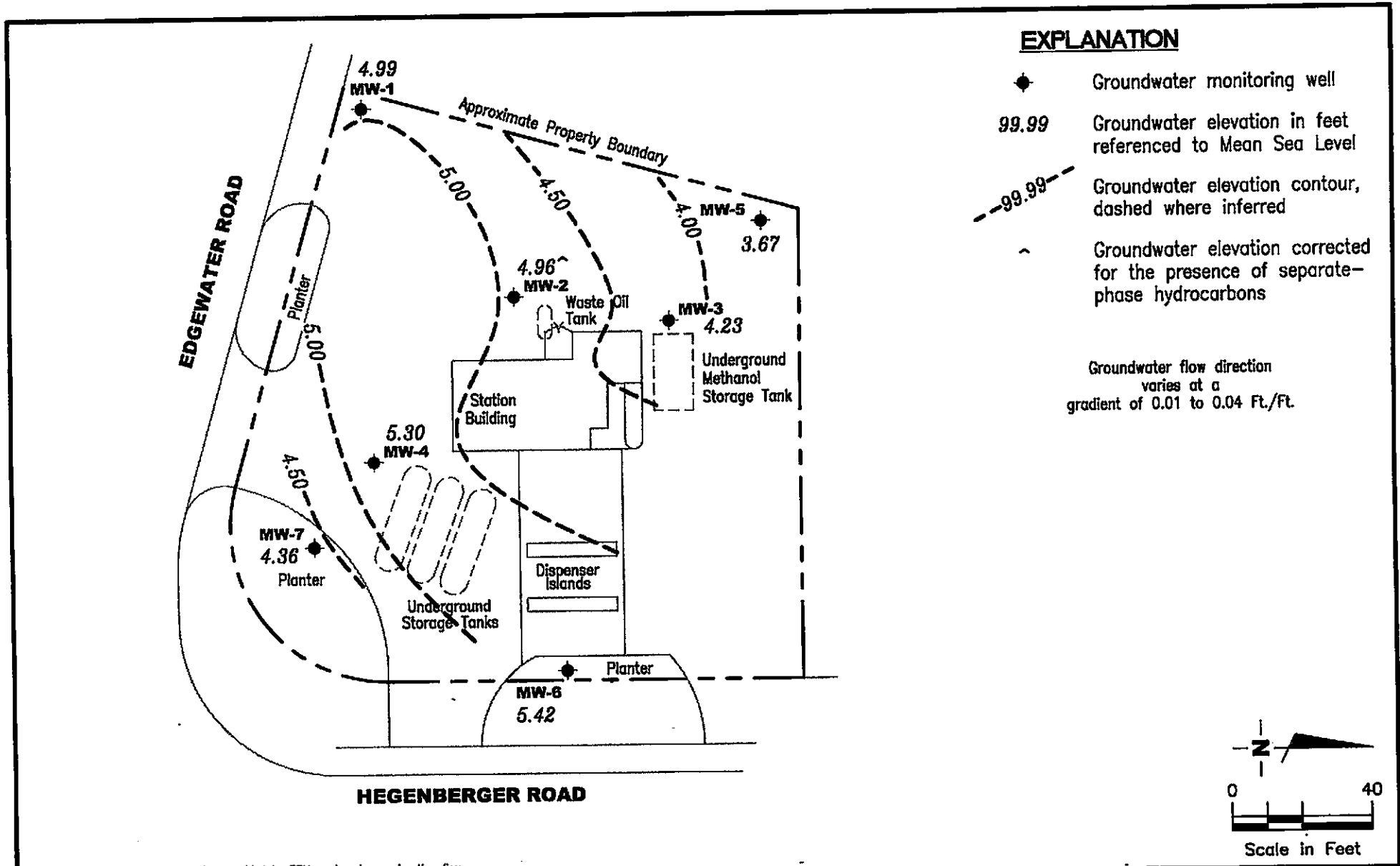
Sincerely,

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: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
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
 Chevron Service Station #9-1851
 451 Hegenberger Road
 Oakland, California

FIGURE

1

PROJECT NUMBER
 385145

REVIEWED BY

DATE
 December 20, 2004

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-1													
10/17/95	2.61	-1.51	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/29/96	2.61	-0.72	3.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	9.5
06/26/96	2.61	-1.23	3.84	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	46
09/25/96	2.61	-1.41	4.02	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	<2.5	940
12/17/96	2.61	-0.96	3.57	0.00	0.00	--	<50	0.9	<0.5	<0.5	<0.5	<0.5	260
03/20/97	2.61	-1.54	4.15	0.00	0.00	--	<50	<2.0	<2.0	<2.0	<2.0	<2.0	76
06/20/97	2.61	-1.72	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	64
09/09/97	2.61	-1.74	4.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	110
12/12/97	2.61	-0.39	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	27
02/19/98	2.61	0.78	1.83	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	14
06/23/98	2.61	-0.73	3.34	0.00	0.00	--	210	<0.5	<0.5	<0.5	<0.5	<0.5	3,400
08/31/98	2.61	-0.88	3.49	0.00	0.00	--	1,400	630	<5.0	<5.0	<5.0	<5.0	16,000
12/29/98	2.61	-1.22	3.83	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	<5.0	1,090
03/11/99	2.61	-0.43	3.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	33.9
06/24/99	2.61	-0.77	3.38	0.00	0.00	--	<500	65.7	<5.0	<5.0	<5.0	<5.0	1,160
09/29/99	2.61	-1.01	3.62	0.00	0.00	--	81.7	<0.5	<0.5	<0.5	<0.5	<0.5	1,130
12/08/99	2.61	-1.46	4.07	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	233
03/01/00	2.61	0.66	1.95	0.00	0.00	--	100	<0.5	<0.5	<0.5	<0.5	<0.5	37.9
06/19/00	2.61	-0.80	3.41	0.00	0.00	--	<50	3.8	<0.50	<0.50	<0.50	<0.50	88/91 ²
09/30/00	2.61	-1.23	3.84	0.00	0.00	--	<130	<1.3	<1.3	<1.3	<1.3	<1.3	460/530 ²
10/05/00	2.61	-1.32	3.93	0.00	0.00	--	--	--	--	--	--	--	--
12/08/00	8.61	4.41	4.20	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	58.7
03/03/01 ¹¹	8.61	6.30	2.31	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.9
06/19/01	8.61	5.27	3.34	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	51
09/05/01	8.61	4.84	3.77	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	180
12/10/01	8.61	6.14	2.47	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	21
03/04/02	8.61	5.48	3.13	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	47
06/03/02	8.61	2.90	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	31
09/14/02	8.61	4.86	3.75	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	140
12/13/02	8.61	5.32	3.29	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	8.61	5.54	3.07	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	35
06/09/03 ¹³	8.61	5.09	3.52	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	69

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC ^a (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-1 (cont)													
09/03/03 ¹³	8.61	4.49	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1
12/01/03 ¹³	8.61	5.34	3.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	100
03/01/04 ¹³	8.61	6.55	2.06	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	26
06/02/04 ¹³	8.61	5.31	3.30	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	93
09/03/04 ¹³	8.61	4.47	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	140
12/20/04 ¹³	8.61	4.99	3.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	37
MW-2													
10/17/95 ³	3.51	-1.82	5.33	0.00	0.00	1,600 ^d	170	3.5	<0.5	1.0	6.1	--	--
03/29/96	3.51	-0.44	3.95	0.00	0.00	3,000 ^d	89	4.7	<0.5	0.64	0.74	21	21
06/26/96	3.51	-1.09	4.60	0.00	0.00	2,000 ^d	80	8.7	<0.5	1.2	1.3	31	31
09/25/96	3.51	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	0.00	0.00	2,400 ^d	110	<0.5	<0.5	0.75	2.1	27	27
03/20/97	3.51	-1.32	4.83	0.00	0.00	3,400 ^d	140	8.2	<2.0	<2.0	<2.0	58	58
06/20/97	3.51	-1.53	5.04	0.00	0.00	1,600 ^d	62	7.7	<0.5	<0.5	<0.5	38	38
09/09/97	3.51	-1.47	4.98	0.00	0.00	82 ^d	190	9.4	<0.5	<0.5	0.86	48	48
12/12/97	3.51	-0.40	3.91	0.00	0.00	8,500 ^d	180	1.8	<0.5	<0.5	3.2	34	34
02/19/98	3.51	0.55	2.96	0.00	0.00	3,800 ^d	<100	1.8	<1.0	<1.0	<1.0	230	230
06/23/98	3.51	-0.54	4.05	0.00	0.00	--	60	<0.5	<0.5	<0.5	<0.5	55	55
08/31/98	3.51	-0.80	4.31	0.00	0.00	--	61	2.2	<0.5	<0.5	1.1	53	53
12/29/98	3.51	-1.12	4.63	0.00	0.00	--	54	1.3	<0.5	<0.5	0.752	38.1	38.1
03/11/99	3.51	-0.01	3.52	0.00	0.00	--	648	2.9	<2.0	<2.0	<2.0	73.2	73.2
06/24/99	3.51	-0.49	4.00	0.00	0.00	--	264	.58	<0.5	1.01	<0.5	44.1	44.1
09/29/99	3.51	-0.93	4.44	0.00	0.00	--	54.3	.66	<0.5	<0.5	<0.5	35.7	35.7
12/08/99	3.51	-1.38	4.89	0.00	0.00	--	<50	1.27	<0.5	<0.5	<0.5	56.9	56.9
03/01/00	3.51	0.48	3.03	0.00	0.00	--	68	1.57	<0.5	<0.5	<0.5	110	110
06/19/00	3.51	-0.66	4.17	0.00	0.00	--	58 ¹	1.5	<0.50	<0.50	<0.50	90/59 ²	90/59 ²
09/30/00	3.51	-1.15	4.66	0.00	0.00	--	<50	<0.50	0.82	<0.50	1.1	48/50 ²	48/50 ²
10/05/00 ^{8,9}	3.51	-1.20	4.71	0.00	0.00	4,000 ⁷	--	--	--	--	--	--	--
12/08/00	9.52	4.55	4.97	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	61.8	61.8
03/03/01 ¹¹	9.52	6.25	3.27	0.00	0.00	--	310 ¹²	0.60	<0.50	<0.50	1.3	97	97

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (cont)												
06/19/01	9.52	5.47	4.05	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	30
09/05/01	9.52	4.98	4.54	0.00	0.00	--	<50	<0.50	1.2	<0.50	<1.5	46
12/10/01	9.52	6.07	3.45	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	22
03/04/02	9.52	5.58	3.94	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	61
06/03/02	9.52	5.44	4.08	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	71
09/14/02	9.52	4.87	4.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	77
12/13/02	9.52	5.21	4.31	0.00	0.00	--	53	<0.50	<0.50	<0.50	<1.5	44
03/14/03	9.52	5.61	3.91	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	55
06/09/03 ¹³	9.52	5.19	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	67
09/03/03 ¹³	9.52	4.59	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.9
12/01/03 ¹³	9.52	5.37	4.15	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	72
03/01/04 ¹³	9.52	6.40	3.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
06/02/04 ¹³	9.52	5.31	4.21	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
09/03/04 ¹³	9.52	5.38	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	69
12/20/04	9.52	4.96**	4.60	0.05	0.01 ¹⁴	NOT SAMPLED DUE TO THE PERSENCE OF SPH					--	--
MW-3												
10/17/95 ⁵	3.08	-1.34	4.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	3.08	0.08	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/26/96	3.08	-0.52	3.60	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	47
09/25/96	3.08	-1.06	4.14	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	570
12/17/96	3.08	-0.12	3.20	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	680
03/20/97	3.08	-0.22	3.30	0.00	0.00	--	<50	<5.7	<5.7	<5.7	<5.7	430
06/20/97	3.08	-0.78	3.86	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	1,400
09/09/97	3.08	-1.11	4.19	0.00	0.00	--	76 ⁴	22	<0.5	<0.5	<0.5	920
12/12/97	3.08	0.12	2.96	0.00	0.00	--	52	15	<0.5	<0.5	<0.5	710
02/19/98	3.08	0.86	2.22	0.00	0.00	--	<50	6.6	<0.5	<0.5	<0.5	380
06/23/98	3.08	-0.17	3.25	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	390
08/31/98	3.08	-0.78	3.86	0.00	0.00	--	<50	19	<0.5	<0.5	<0.5	830
12/29/98	3.08	-0.45	3.53	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	416
03/11/99	3.08	-0.27	3.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	262

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)												
06/24/99	3.08	-0.53	3.61	0.00	0.00	--	<50	12.8	<0.5	<0.5	<0.5	620
09/29/99	3.08	-0.87	3.95	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	2,840
12/08/99	3.08	-0.46	3.54	0.00	0.00	--	73.4	<0.5	<0.5	<0.5	<0.5	1,620
03/01/00	3.08	0.65	2.43	0.00	0.00	--	<200	<2.0	<2.0	<2.0	<2.0	1,880
06/19/00	3.08	-0.30	3.38	0.00	0.00	--	<250	20	<2.5	<2.5	<2.5	1,200/920 ²
09/30/00	3.08	-0.92	4.00	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	730/2,100 ²
10/05/00	3.08	-0.94	4.02	0.00	0.00	--	--	--	--	--	--	--
12/08/00	9.08	5.38	3.70	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	1,620
03/03/01 ¹¹	9.08	6.84	2.24	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	1,000
06/19/01	9.08	5.37	3.71	0.00	0.00	--	<120	4.8	<1.2	<1.2	<1.2	510
09/05/01	9.08	5.04	4.04	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,400
12/10/01	9.08	6.54	2.54	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,000
03/04/02	9.08	6.24	2.84	0.00	0.00	--	120	<0.50	<0.50	<0.50	<1.5	720
06/03/02	9.08	5.80	3.28	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	710
09/14/02	9.08	4.93	4.15	0.00	0.00	--	590	<20	<1.0	<1.0	<3.0	2,600
12/13/02	9.08	5.23	3.85	0.00	0.00	--	430	<0.50	<0.50	<0.50	<1.5	2,000
03/14/03	9.08	6.09	2.99	0.00	0.00	--	310	<0.50	<0.50	<0.50	<1.5	1,600
06/09/03 ¹³	9.08	5.74	3.34	0.00	0.00	--	330	<0.5	<0.5	<0.5	<0.5	1,800
09/03/03 ¹³	9.08	5.11	3.97	0.00	0.00	--	720	<3	<3	<3	<3	4,100
12/01/03 ¹³	9.08	5.32	3.76	0.00	0.00	--	520	<1	<1	<1	<1	2,400
03/01/04 ¹³	9.08	6.97	2.11	0.00	0.00	--	140	<0.5	<0.5	<0.5	<0.5	850
06/02/04 ¹³	9.08	5.43	3.65	0.00	0.00	--	220	<0.5	<0.5	<0.5	<0.5	1,500
09/03/04 ¹³	9.08	4.07	5.01	0.00	0.00	--	300	<1	<1	<1	<1	1,800
12/20/04 ¹³	9.08	4.23	4.85	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	86
MW-4												
10/17/95	3.48	-1.60	5.08	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	--
03/29/96	3.48	-1.13	4.61	0.00	0.00	--	<1,000	<10	<10	<10	<10	6,700
06/26/96	3.48	-0.82	4.30	0.00	0.00	--	<2,000	<20	<20	<20	<20	7,200
09/25/96	3.48	-1.85	5.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	3.48	0.67	2.81	0.00	0.00	--	<2,000	120	<20	<20	<20	11,000

TABLE I
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-4 (cont)													
03/20/97	3.48	-1.02	4.50	0.00	0.00	--	250 ⁴	<2.0	<2.0	<2.0	<2.0	<2.0	10,000/8,600 ⁶
06/20/97	3.48	-2.20	5.68	0.00	0.00	--	<2,500	<25	<25	<25	<25	<25	9,300
09/09/97	3.48	-2.02	5.50	0.00	0.00	--	460 ⁴	<0.5	<0.5	<0.5	<0.5	<0.5	6,600
12/12/97	3.48	-1.55	5.03	0.00	0.00	--	430 ⁴	120	<2.5	<2.5	<2.5	<2.5	7,800
02/19/98	3.48	0.13	3.35	0.00	0.00	--	510 ⁴	130	<0.5	<0.5	<0.5	<0.5	6,600
06/23/98	3.48	-1.50	4.98	0.00	0.00	--	550 ⁴	<0.5	<0.5	<0.5	<0.5	<0.5	6,800
08/31/98	3.48	-1.94	5.42	0.00	0.00	--	<500	450	<5.0	<5.0	<5.0	<5.0	14,000
12/29/98	3.48	-1.58	5.06	0.00	0.00	--	<5,000	<50	<50	<50	<50	<50	16,100
03/11/99	3.48	-0.30	3.78	0.00	0.00	--	979	<5.0	<5.0	<5.0	<5.0	<5.0	15,100
06/24/99	3.48	-0.83	4.31	0.00	0.00	--	<2,500	715	<25	<25	<25	<25	12,400
09/29/99	3.48	-2.10	5.58	0.00	0.00	--	1,380	<5.0	<5.0	<5.0	<5.0	<5.0	11,700
12/08/99	3.48	-1.85	5.33	0.00	0.00	--	318	<0.5	<0.5	<0.5	<0.5	<0.5	11,100
03/01/00	3.48	-1.72	5.20	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	9,940
06/19/00	3.48	-1.88	5.36	0.00	0.00	--	<1,000	220	<10	<10	<10	<10	7,300/9,500 ²
09/30/00	3.48	-0.29	3.77	0.00	0.00	--	740 ¹	<2.5	<2.5	<2.5	<2.5	<2.5	6,000/7,800 ²
10/05/00	3.48	-0.38	3.86	0.00	0.00	--	--	--	--	--	--	--	--
12/08/00	9.48	5.03	4.45	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	6,230
03/03/01 ¹¹	9.48	5.65	3.83	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	<2.5	3,600
06/19/01	9.48	6.11	3.37	0.00	0.00	--	<500	140	<5.0	<5.0	<5.0	<5.0	2,500
09/05/01	9.48	5.52	3.96	0.00	0.00	--	400	<0.50	<0.50	<0.50	<0.50	<1.5	2,800
12/10/01	9.48	4.43	5.05	0.00	0.00	--	700	<0.50	<0.50	<0.50	<0.50	<1.5	3,400
03/04/02	9.48	5.81	3.67	0.00	0.00	--	660	<0.50	<0.50	<0.50	<0.50	<1.5	2,900
06/03/02	9.48	4.24	5.24	0.00	0.00	--	610	<0.50	<0.50	<0.50	<0.50	<1.5	3,000
09/14/02	9.48	4.26	5.22	0.00	0.00	--	490	<10	<1.0	<1.0	<1.0	<3.0	2,400
12/13/02	9.48	4.81	4.67	0.00	0.00	--	440	<0.50	<0.50	<0.50	<0.50	<1.5	2,200
03/14/03	9.48	4.84	4.64	0.00	0.00	--	490	<0.50	<0.50	<0.50	<0.50	<1.5	2,600
06/09/03 ¹³	9.48	4.45	5.03	0.00	0.00	--	340	<0.5	<0.5	<0.5	<0.5	<0.5	1,700
09/03/03 ¹³	9.48	3.83	5.65	0.00	0.00	--	320	<1	<1	<1	<1	<1	1,600
12/01/03 ¹³	9.48	4.51	4.97	0.00	0.00	--	350	<1	<1	<1	<1	<1	1,700
03/01/04 ¹³	9.48	4.80	4.68	0.00	0.00	--	240	<0.5	<0.5	<0.5	<0.5	<0.5	1,200

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-4 (cont)													
06/02/04 ¹³	9.48	4.55	4.93	0.00	0.00	--	--	240	<0.5	<0.5	<0.5	<0.5	1,600
09/03/04 ¹³	9.48	4.49	4.99	0.00	0.00	--	--	270	<1	<1	<1	<1	1,500
12/20/04 ¹³	9.48	5.30	4.18	0.00	0.00	--	--	230	<3	<3	<3	<3	1,900
MW-5													
10/23/00 ¹⁰	8.77	4.18	4.59	0.00	0.00	--	--	<50	<0.500	<0.500	<0.500	<0.500	4.34
12/08/00	8.77	5.34	3.43	0.00	0.00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	11.0
03/03/01 ¹¹	8.77	6.37	2.40	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	24
06/19/01	8.77	INACCESSIBLE - CAR PARKED OV.			--	--	--	--	--	--	--	--	--
09/05/01	8.77	5.02	3.75	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	31
12/10/01	8.77	5.98	2.79	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	45
03/04/02	8.77	6.25	2.52	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	29
06/03/02	8.77	5.57	3.20	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	40
09/14/02	8.77	4.92	3.85	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	92
12/13/02	8.77	5.32	3.45	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	32
03/14/03	8.77	5.82	2.95	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	71
06/09/03 ¹³	8.77	5.58	3.19	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	79
09/03/03 ¹³	8.77	4.98	3.79	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	2
12/01/03 ¹³	8.77	5.43	3.34	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	52
03/01/04 ¹³	8.77	6.29	2.48	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	120
06/02/04 ¹³	8.77	5.66	3.11	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	110
09/03/04 ¹³	8.77	3.66	5.11	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	80
12/20/04 ¹³	8.77	3.67	5.10	0.00	0.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	62
MW-6													
10/23/00 ¹⁰	11.45	4.30	7.15	0.00	0.00	--	--	<50	<0.500	<0.500	<0.500	<0.500	5.96
12/08/00	11.45	4.61	6.84	0.00	0.00	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	8.80
03/03/01 ¹¹	11.45	5.32	6.13	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	9.0
06/19/01	11.45	5.65	5.80	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	11.45	6.29	5.16	0.00	0.00	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-6 (cont)													
12/10/01	11.45	6.64	4.81	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	11.45	7.29	4.16	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	11.45	5.74	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	11.45	4.80	6.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	11.45	5.06	6.39	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	11.45	4.98	6.47	0.00	0.00	--	<50	<0.5	0.7	<0.5	<0.5	<0.5	1
06/09/03 ¹³	11.45	4.67	6.78	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.8
09/03/03 ¹³	11.45	4.37	7.08	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12/01/03 ¹³	11.45	7.88	3.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	25
03/01/04 ¹³	11.45	8.27	3.18	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
06/02/04 ¹³	11.45	7.95	3.50	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/04 ¹³	11.45	9.28	2.17	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
12/20/04 ¹³	11.45	5.42	6.03	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
MW-7													
10/23/00 ¹⁰	10.58	4.33	6.25	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	<0.500	1,210
12/08/00	10.58	3.35	7.23	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	338
03/03/01 ¹¹	10.58	4.31	6.27	0.00	0.00	--	72 ¹²	<0.50	<0.50	<0.50	<0.50	<0.50	460
06/19/01	10.58	4.76	5.82	0.00	0.00	--	110 ¹	18	<0.50	<0.50	<0.50	<0.50	440
09/05/01	10.58	4.04	6.54	0.00	0.00	--	180	<0.50	<0.50	<0.50	<0.50	<1.5	640
12/10/01	10.58	5.04	5.54	0.00	0.00	--	110	<0.50	<0.50	<0.50	<0.50	<1.5	390
03/04/02	10.58	3.68	6.90	0.00	0.00	--	220	1.1	<0.50	3.0	<0.50	<1.5	460
06/03/02	10.58	4.94	5.64	0.00	0.00	--	130	<0.50	<0.50	<0.50	<0.50	<1.5	350
09/14/02	10.58	3.55	7.03	0.00	0.00	--	120	<2.0	<0.50	<0.50	<0.50	<1.5	340
12/13/02	10.58	4.99	5.59	0.00	0.00	--	57	<0.50	<0.50	<0.50	<0.50	<1.5	150
03/14/03	10.58	4.60	5.98	0.00	0.00	--	77	<0.50	<0.50	<0.50	<0.50	<1.5	240
06/09/03 ¹³	10.58	4.32	6.26	0.00	0.00	--	79	<0.5	<0.5	<0.5	<0.5	<0.5	210
09/03/03 ¹³	10.58	3.72	6.86	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	0.8
12/01/03 ¹³	10.58	5.11	5.47	0.00	0.00	--	58	<0.5	<0.5	<0.5	<0.5	<0.5	130
03/01/04 ¹³	10.58	4.60	5.98	0.00	0.00	--	71	<0.5	<0.5	<0.5	<0.5	<0.5	180

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-1851
 451 Hegenberger Road
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					Removed (gallons)								
MW-7 (cont)													
06/02/04 ¹³	10.58	5.77	4.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	87
09/03/04 ¹³	10.58	4.16	6.42	0.00	0.00	--	55	<0.5	<0.5	<0.5	<0.5	<0.5	140
12/20/04 ¹³	10.58	4.36	6.22	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	130
TRIP BLANK													
10/17/95	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/26/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
09/25/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
03/20/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
06/20/97	--	--	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	<2.0	--
09/09/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
12/29/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
03/11/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
06/24/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
09/29/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
12/08/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
03/01/00	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
06/19/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
09/30/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
10/05/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
12/08/00	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<2.50
03/03/01 ¹¹	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
06/19/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH Removed (gallons)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA												
12/10/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	--	--	--	--	--	--	<50	<0.50	≥0.50	<0.50	<1.5	<2.5
12/13/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/09/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/01/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA (cont)												
06/02/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/20/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

EXPLANATIONS:

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

TOC = Top of Casing

DTW = Depth to Water

X = Xylenes

(ft.) = Feet

TPH-D = Total Petroleum Hydrocarbons as Diesel

MTBE = Methyl tertiary butyl ether

GWE = Groundwater Elevation

TPH-G = Total Petroleum Hydrocarbons as Gasoline

(ppb) = Parts per billion

SPHT = Separate Phase Hydrocarbon Thickness

B = Benzene

-- = Not Measured/Not Analyzed

SPH = Separate Phase Hydrocarbons

T = Toluene

QA = Quality Assurance/Trip Blank

(msl) = Mean sea level

E = Ethylbenzene

* TOC elevations were surveyed on November 15, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was the letter "O" in Oakland on an inlet in the westerly curb of Oakport Road, 150' southerly of the end of curve. (Benchmark Elevation = 7.82 feet, msl).

** GWE was corrected for the presence of SPH; correction factor: $[(TOC - DTW) + (SPHT \times 0.80)]$.

¹ Laboratory report indicates gasoline C6-C12.

² MTBE by EPA Method 8260.

³ Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.

⁴ Chromatogram pattern indicates an unidentified hydrocarbon.

⁵ Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

⁶ Confirmation run.

⁷ Laboratory report indicates unidentified hydrocarbons >C16.

⁸ Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less than the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024ppm.

⁹ Laboratory report indicates that Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 were all less than the reporting limit except for Bis(2-ethylhexyl)phthalate was detected at 14 ppb, which may be a possible contamination.

¹⁰ Data was provided by Delta Environmental Consultants, Inc.

¹¹ Laboratory report indicates sample was analyzed outside the EPA recommended holding time.

¹² Laboratory report indicates unidentified hydrocarbons C6-C12.

¹³ BTEX and MTBE by EPA Method 8260.

¹⁴ Product + Water removed.

Table 2
Groundwater Analytical Results - Oxygenate Compounds-
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1						
06/23/98	<50,000	<10,000	4,500	<200	<200	<200
08/31/98	--	--	17,000	--	--	--
03/11/99	--	--	54.1	--	--	--
06/24/99	<10,000	<2,000	1,800	<20	<20	258
06/19/00	<500	<100	91	<2.0	<2.0	11
09/30/00	--	--	530	--	--	--
06/09/03	--	--	69	--	--	--
09/03/03	<50	--	1	--	--	--
12/01/03	<50	--	100	--	--	--
03/01/04	<50	--	26	--	--	--
06/02/04	<50	--	93	--	--	--
09/03/04	<50	--	140	--	--	--
12/20/04	<50	--	37	--	--	--
MW-2						
06/23/98	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	101	--	--	--
06/24/99	<1,000	<200	52.5	<2.0	<2.0	<2.0
06/19/00	<500	<100	59	<2.0	<2.0	4.0
09/30/00	--	--	50	--	--	--
06/09/03	--	--	67	--	--	--
09/03/03	<50	--	0.9	--	--	--
12/01/03	<50	--	72	--	--	--
03/01/04	<50	--	130	--	--	--
06/02/04	<50	--	46	--	--	--
09/03/04	<50	--	69	--	--	--
12/20/04	NOT SAMPLED DUE TO THE PERSENCE OF SPH					

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-3						
06/23/98	<5,000	<1,000	420	<20	<20	26
03/11/99	--	--	580	--	--	--
06/24/99	<6,670	<1,330	900	<13.3	<13.3	<13.3
06/19/00	570	<100	920	<2.0	<2.0	65
09/30/00	--	--	2,100	--	--	--
06/09/03	--	--	1,800	--	--	--
09/03/03	<250	--	4,100	--	--	--
12/01/03	<130	--	2,400	--	--	--
03/01/04	<50	--	850	--	--	--
06/02/04	<50	--	1,500	--	--	--
09/03/04	<100	--	1,800	--	--	--
12/20/04	<50	--	86	--	--	--
MW-4						
06/23/98	<50,000	<10,000	11,000	<200	<200	860
03/11/99	--	--	17,600	--	--	--
06/24/99	<125,000	<25,000	17,000	<250	<250	2600
06/19/00	<25,000	<5,000	9,500	<100	<100	1,100
09/30/00	--	--	7,800	--	--	--
06/09/03	--	--	1,700	--	--	--
09/03/03	<130	--	1,600	--	--	--
12/01/03	<100	--	1,700	--	--	--
03/01/04	<50	--	1,200	--	--	--
06/02/04	<50	--	1,600	--	--	--
09/03/04	<100	--	1,500	--	--	--
12/20/04	<250	--	1,900	--	--	--
MW-5						
10/23/00	<1,000	<100	4.34	<2.00	<2.00	<2.00
06/09/03	--	--	79	--	--	--
09/03/03	<50	--	2	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Chevron Service Station #9-1851
 451 Hegenberger Road
 Oakland, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-5 (cont)						
12/01/03	<50	--	52	--	--	--
03/01/04	<50	--	120	--	--	--
06/02/04	<50	--	110	--	--	--
09/03/04	<50	--	80	--	--	--
12/20/04	<50	--	62	--	--	--
MW-6						
10/23/00	<1,000	<100	5.96	<2.00	<2.00	<2.00
06/09/03	--	--	1	--	--	--
09/03/03	<50	--	0.8	--	--	--
12/01/03	<50	--	<0.5	--	--	--
03/01/04	<50	--	25	--	--	--
06/02/04	<50	--	<0.5	--	--	--
09/03/04	<50	--	0.6	--	--	--
12/20/04	<50	--	0.6	--	--	--
MW-7						
10/23/00	<6,670	<667	1,210	13.3	13.3	199
06/09/03	--	--	210	--	--	--
09/03/03	<50	--	0.8	--	--	--
12/01/03	<50	--	130	--	--	--
03/01/04	<50	--	180	--	--	--
06/02/04	<50	--	87	--	--	--
09/03/04	<50	--	140	--	--	--
12/20/04	<50	--	130	--	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

EXPLANATIONS:

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

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

(ppb) = Parts per billion

-- = Not Analyzed

Table 3
Groundwater Analytical Results
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOG (ppb)	Benzene by (EPA 8240) (ppb)	Xylene by (EPA 8240) (ppb)	C-1,2- DCE (ppb)	Carbon Disulfide (ppb)	Vinyl Chloride (ppb)
MW-2						
10/17/95	<5,000	--	--	11	--	--
03/29/96	--	11	2.5	17	--	5.4
06/26/96	--	11	<2.0	15	--	12
09/25/96	--	--	--	--	--	--
12/17/96	--	10	<2.0	2.3	--	5.5
03/20/97	--	--	--	<2.0	--	3.2
06/20/97	--	7.2	<2.0	4.6	2.2	5.2
09/09/97	--	11	<2.0	<2.0	<2.0	<2.0
12/12/97	--	<2.0	<2.0	<2.0	<2.0	<2.0
02/19/98	--	<3.3	<3.3	<3.3	<3.3	<3.3

EXPLANATIONS:

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

TOG = Total Oil and Grease

c-1,2-DCE = cis-1,2-Dichloroethene

(ppb) = Parts per billion

-- = Not Analyzed

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 #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-20-04 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-1 Date Monitored: 12-20-04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 14.65 ft.
 Depth to Water: 3.62 ft.
11.03 xVF .17 = 1.87 x3 case volume= Estimated Purge Volume: 562 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.65	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1229 Weather Conditions: SUNNY
 Sample Time/Date: 1241 / 12-20-04 Water Color: CLEAN Odor: YES
 Purging Flow Rate: 2.0 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1230</u>	<u>2.0</u>	<u>7.34</u>	<u>1935</u>	<u>19.3</u>	_____	_____
<u>1231</u>	<u>4.0</u>	<u>7.26</u>	<u>1467</u>	<u>18.9</u>	_____	_____
<u>1232</u>	<u>5.5</u>	<u>7.05</u>	<u>1344</u>	<u>19.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12.20.04 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-2 Date Monitored: 12.20.04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 14.92 ft.
 Depth to Water: 4.60 ft.
NA xVF _____ = _____ x3 case volume= Estimated Purge Volume: _____ 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: 1509 (2400 hrs)
 Time Completed: 1519 (2400 hrs)
 Depth to Product: 4.55 ft
 Depth to Water: 4.60 ft
 Hydrocarbon Thickness: .05 ft
 Visual Confirmation/Description:
BLK AND VERY THICK
 Skimmer / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: 20 ml gal
 Water Removed: 20 ml
 Product Transferred to: CONTAINER

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: 1 Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-20-04 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-3 Date Monitored: 12-20-04 Well Condition: SEE PHOTO

Well Diameter: 2 in.
 Total Depth: 14.75 ft.
 Depth to Water: 4.85 ft.
9.90

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

xVF .17 = 1.68 x3 case volume = Estimated Purge Volume: 5.04 gal.

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

Sampling Equipment:
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1422 Weather Conditions: CLOUDY
 Sample Time/Date: 1438 / 12-20-04 Water Color: CLEAR / LT. YELLOW Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1423</u>	<u>1.5</u>	<u>7.02</u>	<u>1896</u>	<u>20.1</u>	_____	_____
<u>1424</u>	<u>3.0</u>	<u>6.95</u>	<u>1910</u>	<u>20.7</u>	_____	_____
<u>1426</u>	<u>5.0</u>	<u>6.80</u>	<u>1942</u>	<u>20.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: REACTION TO HCL

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851
 Site Address: 451 Hegenberger Road
 City: Oakland, CA

Job Number: 385145
 Event Date: 12.20.04 (inclusive)
 Sampler: FT

Well ID: MW-4 Date Monitored: 12.20.04 Well Condition: SEE PHOTO

Well Diameter: 2 in.

Total Depth: 14.88 ft.

Depth to Water: 4.18 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

10.70 x VF .17 = 1.81 x3 case volume= Estimated Purge Volume: 5.45 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer ✓
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1338 Weather Conditions: CLOUDY

Sample Time/Date: 1357 / 12.20.04 Water Color: CLEAR/LT. Yellow Odor: YES

Purging Flow Rate: 2.0 gpm. Sediment Description: _____

Did well de-water? YES If yes, Time: 1344 Volume: 4.0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1339</u>	<u>2.0</u>	<u>7.05</u>	<u>1597</u>	<u>19.1</u>	_____	_____
<u>1340</u>	<u>4.0</u>	<u>6.61</u>	<u>1726</u>	<u>20.5</u>	_____	_____
_____	<u>5.5</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)/ ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12.20.04 (inclusive)
 City: Oakland, CA Sampler: ET

Well ID: MW-5 Date Monitored: 12.20.04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 10.05 ft.
 Depth to Water: 5.10 ft.
4.95 xVF .17 = .84 x3 case volume = Estimated Purge Volume: 2.52 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: 1
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment: 1
 Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1142 Weather Conditions: SUNNY
 Sample Time/Date: 1205 / 12.20.04 Water Color: CLEAR W. LT. YELLOW Odor: NO
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? YES If yes, Time: 1148 Volume: 1.5 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1145</u>	<u>.75</u>	<u>6.61</u>	<u>2024</u>	<u>18.5</u>	_____	_____
<u>1148</u>	<u>1.5</u>	<u>6.62</u>	<u>2035</u>	<u>19.1</u>	_____	_____
_____	<u>2.5</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-20-04 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-6 Date Monitored: 12-20-04 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 10.06 ft.

Depth to Water: 6.03 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

4.03 x VF .17 = .68 x3 case volume= Estimated Purge Volume: 2.05 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1123 Weather Conditions: SUNNY
 Sample Time/Date: 1157 / 12-20-04 Water Color: CLEAR Odor: NO
 Purging Flow Rate: 1 gpm. Sediment Description: _____
 Did well de-water? yes If yes, Time: 1128 Volume: 1.5 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1125</u>	<u>.75</u>	<u>7.10</u>	<u>1845</u>	<u>17.1</u>		
<u>1128</u>	<u>1.5</u>	<u>6.91</u>	<u>1845</u>	<u>17.5</u>		
	<u>2.0</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)/ ETHANOL(8260)</u>

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size: 2"



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12.20.04 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-7 Date Monitored: 12.20.04 Well Condition: pic

Well Diameter: 2 in.

Total Depth: 13.34 ft.

Depth to Water: 6.22 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

7.12 xVF .17 = 1.21 x3 case volume= Estimated Purge Volume: 3.63 gal.

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer _____
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1303 Weather Conditions: SUNNY
 Sample Time/Date: 1316 / 12.20.04 Water Color: CLEAR / V. LT. YELLOW Odor: SLIGHT
 Purging Flow Rate: 1.0 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1304</u>	<u>1.0</u>	<u>7.83</u>	<u>732</u>	<u>19.1</u>		
<u>1305</u>	<u>2.0</u>	<u>7.26</u>	<u>742</u>	<u>19.4</u>		
<u>1307</u>	<u>3.5</u>	<u>6.99</u>	<u>793</u>	<u>19.8</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u>

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10904

For Lancaster Laboratories use only
Sample #: 9931250-256

Group# 926368
SCR#

12204-06

Facility #: SS#9-1851 G-R#385145 Global ID#T0600102238
 Site Address: 451 HEGENBERGER ROAD, OAKLAND, CA
 Chevron PM: KS Lead Consultant: CAMBRIA
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone: #25-551-7555 Fax: #25-551-7899
 Sampler: FRANK TERRINONI
 Service Order #: _____ Non SAR: _____

Matrix

<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES
<input type="checkbox"/> Soil	<input type="checkbox"/> Water
<input type="checkbox"/> Oil	<input type="checkbox"/> Air

Total Number of Containers: _____

Analyses Requested									
Preservation Codes									
H	H							H	
BTEX + MTBE 8260	8260	TPH 8015 MOD GFO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	ETHANOL (9260)

Preservative Codes

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

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

8021 MTBE Confirmation

Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ____ oxy s on highest hit
 Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GFO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	ETHANOL (9260)	Comments / Remarks
QA	12-20-04					W			2	X	X								
MW-1		1241	X						6	X	X							X	
MW-3		1438	X						6	X	X							X	
MW-4		1357	X						6	X	X							X	
MW-5		1205	X						6	X	X							X	
MW-6		1157	X						6	X	X							X	
MW-7		1316	X						6	X	X							X	

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWOCB)
 Disk

Relinquished by: <u>F. J. Terini</u>	Date: <u>2020-04</u>	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: _____	Date: <u>12/22/04</u>	Time: <u>1415</u>	Received by: <u>Bernard Amey</u>	Date: <u>12/22/04</u>	Time: <u>1415</u>
Relinquished by: <u>Charles Amey</u>	Date: <u>12/21/04</u>	Time: <u>1530</u>	Received by: <u>PHL</u>	Date: <u>12/21/04</u>	Time: _____
Relinquished by Commercial Carrier: UPS <u>FedEx</u> Other: _____	Temperature Upon Receipt: <u>4.8</u> C°		Received by: <u>Mary Beth Storer</u>	Date: <u>12/21/04</u>	Time: <u>1400</u>
Custody Seals Intact?			<u>Yes</u>	No	



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 926368. Samples arrived at the laboratory on Friday, December 24, 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-041220	NA	Water	4437250
MW-1-W-041220	Grab	Water	4437251
MW-3-W-041220	Grab	Water	4437252
MW-4-W-041220	Grab	Water	4437253
MW-5-W-041220	Grab	Water	4437254
MW-6-W-041220	Grab	Water	4437255
MW-7-W-041220	Grab	Water	4437256

1 COPY TO Cambria C/O Gettler- Ryan
ELECTRONIC Gettler-Ryan
COPY TO

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

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Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Dana M. Kauffman".

Dana M. Kauffman
Group Leader



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4437250

QA-T-041220 NA Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger-Oakland T0600102238 QA
Collected: 12/20/2004

Account Number: 10904

Submitted: 12/24/2004 14:00
Reported: 01/05/2005 at 17:16
Discard: 02/05/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HEGQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.						
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	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
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	12/29/2004 10:50	Martha L Seidel	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/29/2004 17:32	Ginelle L Haines	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 10:50	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/29/2004 17:32	Ginelle L Haines	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4437251

MW-1-W-041220 Grab Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger-Oakland T0600102238 MW-1
Collected: 12/20/2004 12:41 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
Reported: 01/05/2005 at 17:16
Discard: 02/05/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HEGM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit 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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	37.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004 11:51		Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 10:49		Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 11:51		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005 10:49		Anita M Dale	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4437252

MW-3-W-041220 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-3
 Collected: 12/20/2004 14:38 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
 Reported: 01/05/2005 at 17:16
 Discard: 02/05/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

HEGM3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	86.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	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		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004 12:21	Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 12:04	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 12:21	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005 12:04	Anita M Dale	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4437253

MW-4-W-041220 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-4
 Collected: 12/20/2004 13:57 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
 Reported: 01/05/2005 at 17:16
 Discard: 02/05/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

HEGM4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	230.	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	250.	ug/l	5
02010	Methyl Tertiary Butyl Ether	1634-04-4	1,900.	10.	ug/l	20
05401	Benzene	71-43-2	N.D.	3.	ug/l	5
05407	Toluene	108-88-3	N.D.	3.	ug/l	5
05415	Ethylbenzene	100-41-4	N.D.	3.	ug/l	5
06310	Xylene (Total)	1330-20-7	N.D.	3.	ug/l	5
Due to the level of methyl tertiary butyl ether, the reporting limits for all GC/MS volatile compounds were raised.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004 13:14	Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 10:00	Anita M Dale	5
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 10:25	Anita M Dale	20
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 13:14	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005 10:00	Anita M Dale	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	01/01/2005 10:25	Anita M Dale	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4437254

MW-5-W-041220 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-5
 Collected: 12/20/2004 12:05 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
 Reported: 01/05/2005 at 17:16
 Discard: 02/05/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

HEGM5

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	N.D.	50.0	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. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.0	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	62.0	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004	14:15	Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005	12:29	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004	14:15	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005	12:29	Anita M Dale	n.a.



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Page 1 of 1

Lancaster Laboratories Sample No. WW 4437255

MW-6-W-041220 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-6
 Collected: 12/20/2004 11:57 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
 Reported: 01/05/2005 at 17:16
 Discard: 02/05/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

HEGM6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.	50.		ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.5		ug/l	1
05401	Benzene	71-43-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		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		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004 14:46	Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 12:53	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 14:46	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005 12:53	Anita M Dale	n.a.



Analysis Report

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

Lancaster Laboratories Sample No. WW 4437256

MW-7-W-041220 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-7
 Collected: 12/20/2004 13:16 by FT

Account Number: 10904

Submitted: 12/24/2004 14:00
 Reported: 01/05/2005 at 17:17
 Discard: 02/05/2005

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

HEGM7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.	50.	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.	50.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	130.	0.5	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/29/2004 15:17		Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	01/01/2005 13:18		Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/29/2004 15:17		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/01/2005 13:18		Anita M Dale	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 01/05/05 at 05:17 PM

Group Number: 926368

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 04359A16B TPH-GRO - Waters	N.D.	50.	ug/l	99	109	70-130	10	30
Batch number: Z043642AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97		77-127		
Benzene	N.D.	0.5	ug/l	100		85-117		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		83-113		
Batch number: Z050011AA Ethanol	N.D.	50.	ug/l	92		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97		77-127		
Benzene	N.D.	0.5	ug/l	99		85-117		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 04359A16B TPH-GRO - Waters	92	106	63-154	12	30				
Batch number: Z043642AA Methyl Tertiary Butyl Ether	98	95	69-134	3	30				
Benzene	106	106	83-128	0	30				
Toluene	105	106	83-127	1	30				
Ethylbenzene	108	108	82-129	0	30				
Xylene (Total)	105	105	82-130	1	30				
Batch number: Z050011AA Ethanol	100	91	33-153	9	30				
Methyl Tertiary Butyl Ether	96	88	69-134	3	30				
Benzene	107	109	83-128	2	30				
Toluene	108	109	83-127	0	30				
Ethylbenzene	109	109	82-129	1	30				
Xylene (Total)	106	106	82-130	0	30				

*- Outside of specification

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 01/05/05 at 05:17 PM

Group Number: 926368

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 04359A16B
Trifluorotoluene-F

4437250	107
4437251	105
4437252	109
4437253	109
4437254	112
4437255	109
4437256	115
Blank	106
LCS	119
LCSD	109
MS	114
MSD	110

Limits: 57-146

Analysis Name: BTEX+MTEE by 8260B
Batch number: Z043642AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4437250	103	101	106	102
Blank	104	100	106	102
LCS	104	101	106	104
MS	104	101	105	103
MSD	105	100	106	103

Limits: 81-120 82-112 85-112 83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: Z050011AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4437251	102	103	104	101
4437252	102	104	105	102
4437253	100	100	104	101
4437254	101	102	104	101
4437255	102	104	104	101
4437256	101	103	104	101
Blank	101	102	105	101
LCS	102	102	104	102
MS	102	103	105	102
MSD	102	103	105	102

Limits: 81-120 82-112 85-112 83-113

*- 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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