

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

RO 274  
Alameda County

JUN 27 2003

Environmental Health

**ChevronTexaco**

June 25, 2003

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

Re: Chevron Service Station # 9-3322

Address: 7225 Bancroft Avenue, Oakland, CA

June 24, 2003

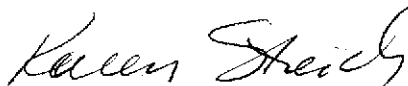
I have reviewed the attached routine groundwater monitoring report dated \_\_\_\_\_.

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

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

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

Sincerely,



Karen Streich  
Project Manager

Enclosure: Report



# GETTLER-RYAN INC.

## TRANSMITTAL

Alameda County

JUN 27 2003

Environmental Health

June 10, 2003

G-R #386433

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

CC: Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

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

RE: Chevron Service Station  
#9-3322  
7225 Bancroft Avenue  
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 6, 2003	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 2, 2003

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 **June 24, 2003**, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Amar Sidhu, 32875 Bluebird Loop, Fremont, CA 94555

Enclosures



# GETTLER-RYAN INC.

June 6, 2003  
G-R Job #386433

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

**RE: Second Quarter Event of May 2, 2003**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
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

Robert C. Mallory  
Registered Geologist, No. 7285

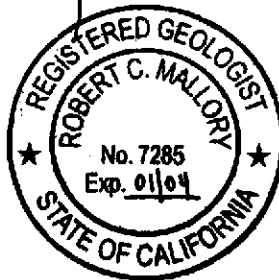
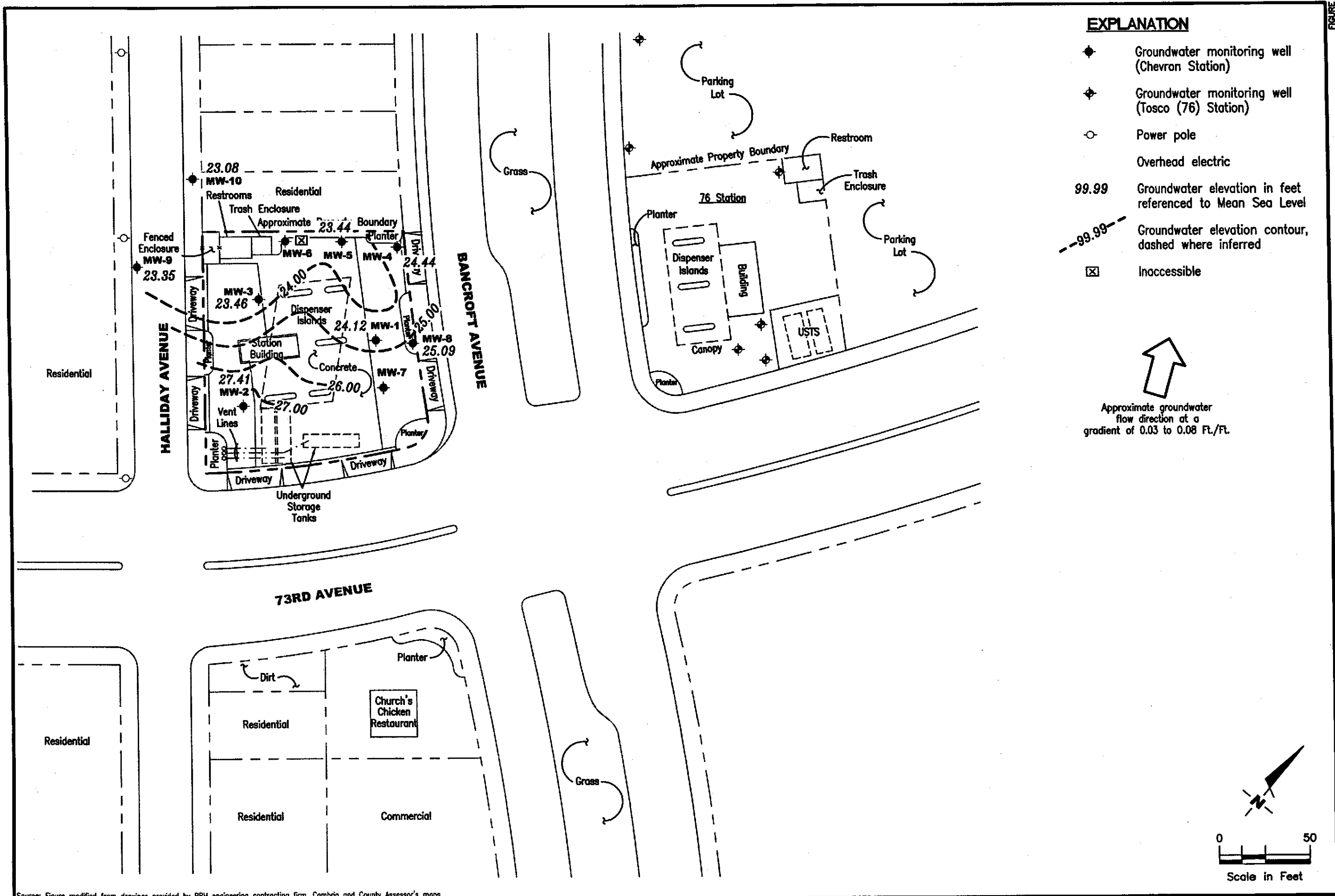


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Compounds  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



**EXPLANATION**

- ◆ Groundwater monitoring well (Chevron Station)
- ◆ Groundwater monitoring well (Tosco (76) Station)
- Power pole
- Overhead electric
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- ☒ Inaccessible

↑  
Approximate groundwater flow direction at a gradient of 0.03 to 0.08 Ft./Ft.

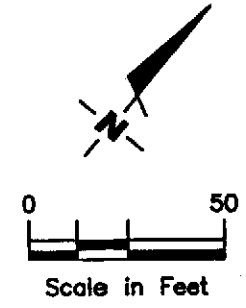


FIGURE 1

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-3322  
 7225 Bancroft Avenue  
 Oakland, California

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

PROJECT NUMBER: 386433  
 FILE NAME: P:\ENVIRO\CHEVRON\9-3322\003-9-3322.DWG | Layout: Tab: Pot2

REVIEWED BY: \_\_\_\_\_ DATE: May 2, 2003  
 REVISED DATE: \_\_\_\_\_

Source: Figure modified from drawings provided by RRM engineering contracting firm, Contra Costa County Assessor's maps.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-1</b>											
02/08/98	40.41	26.53	13.88	--	--	130,000	9,700	8,200	3,200	15,000	<250
06/16/98	40.41	26.18	14.23	--	--	96,000	15,000	12,000	2,600	11,000	1,300
07/29/98	40.41	22.59	17.82	--	--	370,000	19,000	14,000	5,800	15,000	<2,500
08/13/98	40.41	22.01	18.40	--	--	120,000	19,000	16,000	2,900	14,000	<1,000
11/24/98	40.41	19.61	20.80	--	--	100,000	26,000	18,000	4,000	22,000	2,000
02/03/99	40.41	22.96	17.45	--	--	110,000	27,000	16,000	3,800	22,000	<2.5
06/07/99	40.41	24.29**	16.44	0.40	0.03	--	--	--	--	--	--
09/07/99	40.41	19.97**	20.71	0.34	0.01	--	--	--	--	--	--
10/27/99	40.41	18.93**	21.75	0.34	0.03	--	--	--	--	--	--
02/08/00	40.41	22.44	17.97	0.00	0.00	147,000	19,600	13,700	4,020	21,300	<2,500
05/05/00	40.41	24.36	16.05	0.00	0.00	150,000 <sup>2</sup>	28,000	17,000	4,400	23,000	<1,000
07/28/00	40.41	21.21	19.20	0.00	0.00	76,000 <sup>2</sup>	20,000	15,000	3,400	23,000	1,200
11/26/00	40.41	20.44**	20.18	0.26	0.26 <sup>4</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/09/01	40.41	22.40**	18.03	0.03	0.26 <sup>4</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
05/11/01	40.41	25.31	15.10	0.00	0.00	89,000 <sup>2</sup>	21,000	12,000	3,200	14,000	<500
08/30/01	40.41	20.05**	20.42	0.07	0.26 <sup>4</sup>	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
11/21/01	40.41	20.11**	20.52	0.27	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/05/02	40.41	25.79**	14.63	0.01	0.00	130,000	16,000	13,000	4,200	23,000	<30
04/01/02	37.40	25.03	12.37	0.00	0.00	--	--	--	--	--	--
08/05/02	37.40	24.46	12.94	0.00	0.00	230,000	12,000	9,000	5,500	28,000	280
11/04/02	37.40	17.37	20.03	0.00	0.00	130,000	24,000	15,000	3,900	20,000	<60
02/03/03	37.40	23.22	14.18	0.00	0.00	100,000	13,000	8,900	3,000	15,000	<130
05/02/03	37.40	24.12	13.28	0.00	0.00	140,000	9,900	5,900	4,200	21,000	<130
<b>MW-2</b>											
02/08/98	38.73	31.13	7.60	--	--	24,000	130	170	450	1,900	2,300
06/16/98	38.73	29.61	9.12	--	--	8,900	31	46	310	1,100	260
07/29/98	38.73	27.06	11.67	--	--	7,600	15	21	150	480	82
08/13/98	38.73	26.32	12.41	--	--	14,000	26	80	500	2,100	32
11/24/98	38.73	23.10	15.63	--	--	37,000	63	220	1,300	7,100	770
02/03/99	38.73	27.16	11.57	--	--	16,000	140	110	850	3,100	900

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-2 (cont)</b>											
06/07/99	38.73	27.78	10.95	--	--	4,300	<10	<10	120	260	160
09/07/99	38.73	26.00	12.73	--	--	10,700	50.5	<25	297	1,020	<250
10/27/99	38.73	26.02	12.71	--	--	7,240	53.8	31.9	234	654	448
02/08/00	38.73	28.59	10.14	--	--	10,100	42.9	18.4	424	1,480	206
05/05/00	38.73	28.61	10.12	0.00	0.00	7,800 <sup>2</sup>	34	22	320	1,100	170
07/28/00	38.73	26.16	12.57	0.00	0.00	6,700 <sup>2</sup>	40	13	490	540	190
11/26/00	38.73	26.83	11.90	0.00	0.00	8,200 <sup>2</sup>	21	9.5	400	1,100	120
02/09/01	38.73	26.53	12.20	0.00	0.00	11,200 <sup>3</sup>	<50.0	<50.0	629	1,380	282
05/11/01	38.73	29.75	8.98	0.00	0.00	6,800 <sup>2</sup>	39	19	370	1,100	67
08/30/01	38.73	25.83	12.90	0.00	0.00	17,000	67	<25	750	2,100	360
11/21/01	38.73	25.61	13.12	0.00	0.00	3,500	14	<5.0	100	51	610
02/05/02	38.73	30.38	8.35	0.00	0.00	10,000	5.5	<10	330	960	63
04/01/02	35.72	27.91	7.81	0.00	0.00	--	--	--	--	--	--
08/05/02	35.72	19.81	15.91	0.00	0.00	8,800	18	8.2	220	630	220
11/04/02	35.72	21.58	14.14	0.00	0.00	14,000	28	10	670	1,600	440
02/03/03	35.72	25.72	10.00	0.00	0.00	7,200	6.2	2.7	140	430	50
05/02/03	35.72	27.41	8.31	0.00	0.00	12,000	<20	3.9	350	1,500	150
<b>MW-3</b>											
02/08/98	39.51	24.91	14.60	--	--	94,000	12,000	4,400	2,000	10,000	8,000
06/16/98	39.51	25.53	13.98	--	--	38,000	5,600	1,400	1,200	4,700	6,300/4,600 <sup>1</sup>
07/29/98	39.51	22.14	17.37	--	--	58,000	4,100	700	1,300	4,200	4,100
08/13/98	39.51	21.29	18.22	--	--	43,000	6,800	1,900	1,600	6,800	2,300
11/24/98	39.51	19.06	20.45	--	--	40,000	5,000	800	1,600	6,800	6,000/4,400 <sup>1</sup>
02/03/99	39.51	22.03	17.48	--	--	47,000	7,100	1,600	1,900	9,000	5,000
06/07/99	39.51	23.76	15.75	--	--	27,000	2,500	540	1,200	3,900	2,800
09/07/99	39.51	19.80	19.71	--	--	44,000	3,930	1,170	1,760	7,130	3,440
10/27/99	39.51	19.09	20.42	--	--	28,200	2,030	620	1,260	5,080	1,710
02/08/00	39.51	21.76	17.75	--	--	25,300	2,000	668	1,210	5,330	1,760
05/05/00	39.51	23.87	15.64	0.00	0.00	27,000 <sup>2</sup>	2,600	960	1,500	5,200	2,500
07/28/00	39.51	21.28	18.23	0.00	0.00	7,400 <sup>2</sup>	950	360	840	3,200	1,700

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-3 (cont)</b>											
11/26/00	39.51	20.13	19.38	0.00	0.00	20,000 <sup>2</sup>	1,800	690	1,400	5,500	1,600
02/09/01	39.51	21.79	17.72	0.00	0.00	31,200 <sup>3</sup>	1,980	<50.0	1,770	7,220	2,170
05/11/01	39.51	24.86	14.65	0.00	0.00	18,000 <sup>2</sup>	3,000	780	1,600	5,500	1,800
08/30/01	39.51	20.16	19.35	0.00	0.00	9,400	570	180	610	1,900	880
11/21/01	39.51	19.47	20.04	0.00	0.00	29,000	1,100	450	1,500	6,100	1,200
02/05/02	39.51	25.42	14.09	0.00	0.00	16,000	820	210	830	2,400	1,100
04/01/02	36.53	24.32	12.21	0.00	0.00	--	--	--	--	--	--
08/05/02	36.53	22.22	14.31	0.00	0.00	11,000	310	92	380	820	830
11/04/02	36.53	17.50	19.03	0.00	0.00	32,000	1,900	540	1,800	5,900	1,500
02/03/03	36.53	22.58	13.95	0.00	0.00	19,000	1,100	240	920	2,900	1,100
05/02/03	36.53	23.46	13.07	0.00	0.00	18,000	1,200	270	1,100	2,500	1,400
<b>MW-4</b>											
02/02/99	40.24	27.07	13.17	--	--	<50	0.52	<0.5	<0.5	<0.5	6.0
06/07/99	40.24	23.83	16.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	40.24	19.34	20.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	40.24	18.65	21.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/08/00	40.24	23.08	17.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/05/00	40.24	24.22	16.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/28/00	40.24	21.12	19.12	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	40.24	20.32	19.92	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/09/01	40.24	22.79	17.45	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/11/01	40.24	25.22	15.02	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	40.24	19.91	20.33	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/01	40.24	20.49	19.75	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/05/02	40.24	26.18	14.06	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	37.29	25.23	12.06	0.00	0.00	--	--	--	--	--	--
08/05/02	37.29	20.24	17.05	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/04/02	37.29	17.56	19.73	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/03/03	37.29	23.24	14.05	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/02/03	37.29	24.44	12.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-5</b>											
02/02/99	40.37	21.57	18.80	--	--	72	2.7	<0.5	<0.5	<0.5	11
06/07/99	40.37	23.39	16.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	40.37	19.24	21.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	6.92
10/27/99	40.37	18.45	21.92	--	--	<50	2.39	<0.5	<0.5	<0.5	21.3
02/08/00	40.37	21.39	18.98	--	--	<50	10.6	<0.5	<0.5	<0.5	21.7
05/05/00	40.37	23.48	16.89	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	3.8
07/28/00	40.37	20.88	19.49	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	40.37	19.68	20.69	0.00	0.00	<50	0.57	<0.50	<0.50	<0.50	15
02/09/01	40.37	21.50	18.87	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	9.11
05/11/01	40.37	24.47	15.90	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	40.37	19.76	20.61	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	9.5
11/21/01	40.37	19.33	21.04	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	7.3
02/05/02	40.37	25.16	15.21	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	37.40	23.95	13.45	0.00	0.00	--	--	--	--	--	--
08/05/02	37.40	19.86	17.54	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	2.7
11/04/02	37.40	17.33	20.07	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	6.3
02/03/03	37.40	22.37	15.03	0.00	0.00	<50	<0.50	0.60	<0.50	<1.5	<2.5
05/02/03	37.40	23.44	13.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5
<b>MW-6</b>											
02/02/99	39.84	21.36	18.48	--	--	14,000	5,600	<50	150	160	<250
06/07/99	39.84	23.39	16.45	--	--	1,500	1,100	33	25	34	200
09/07/99	39.84	19.35	20.49	--	--	6,550	2,940	81.5	177	84	865
10/27/99	39.84	18.61	21.23	--	--	3,680	1,240	29.6	115	14.9	735
02/08/00	39.84	21.44	18.40	--	--	17,300	8,920	<100	378	211	2,610
05/05/00	39.84	23.48	16.36	0.00	0.00	4,200 <sup>2</sup>	1,900	98	170	290	1,300
07/28/00	39.84	20.90	18.94	0.00	0.00	1,200 <sup>2</sup>	660	30	83	36	650
11/26/00	39.84	19.71	20.13	0.00	0.00	7,600 <sup>2</sup>	4,300	63	360	110	2,000
02/09/01	39.84	21.44	18.40	0.00	0.00	18,200 <sup>3</sup>	7,090	<100	457	169	2,930
05/11/01	39.84	24.39	15.45	0.00	0.00	2,600 <sup>2</sup>	2,300	31	88	40	990
08/30/01	39.84	19.82	20.02	0.00	0.00	2,500	1,600	50	160	100	1,900



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>MW-6 (cont)</b>											
11/21/01	39.84	19.22	20.62	0.00	0.00	25,000	8,800	150	620	330	2,900
02/05/02	39.84	24.04	15.80	0.00	0.00	1,400	400	6.8	27	20	480
04/01/02	36.90	23.08	13.82	0.00	0.00	--	--	--	--	--	--
08/05/02	36.90	19.85	17.05	0.00	0.00	1,200	300	5.1	11	3.7	250
11/04/02	36.90	17.34	19.56	0.00	0.00	7,500	2,000	29	140	39	1,300
02/03/03	36.90	22.28	14.62	0.00	0.00	630	160	<5.0	9.2	2.7	260
05/02/03	36.90	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
<b>MW-8</b>											
04/01/02 <sup>6</sup>	37.21	26.11	11.10	0.00	0.00	1,200	8.6	<0.50	2.5	2.5	<2.5/<2 <sup>5</sup>
08/05/02	37.21	21.07	16.14	0.00	0.00	560	11	<0.50	<0.50	<1.5	<2.5/<2 <sup>5</sup>
11/04/02	37.21	18.24	18.97	0.00	0.00	780	5.1	<0.50	1.1	1.9	<2.5/<2 <sup>5</sup>
02/03/03	37.21	24.00	13.21	0.00	0.00	230	3.7	<0.50	0.54	<1.5	<10/0.6 <sup>5</sup>
05/02/03	37.21	25.09	12.12	0.00	0.00	180	2.5	<0.5	<0.5	<1.5	<2.5/<0.5 <sup>5</sup>
<b>MW-9</b>											
04/01/02 <sup>6</sup>	35.03	24.41	10.62	0.00	0.00	94	1.5	<0.50	<0.50	<1.5	25/19 <sup>5</sup>
08/05/02	35.03	20.18	14.85	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	18/15 <sup>5</sup>
11/04/02	35.03	17.55	17.48	0.00	0.00	<50	<0.50	1.7	<0.50	2.1	24/21 <sup>5</sup>
02/03/03	35.03	22.52	12.51	0.00	0.00	<50	1.9	<0.50	<0.50	<1.5	17/16 <sup>5</sup>
05/02/03	35.03	23.35	11.68	0.00	0.00	<50	0.6	<0.5	<0.5	<1.5	21/18 <sup>5</sup>
<b>MW-10</b>											
04/01/02 <sup>6</sup>	35.53	23.81	11.72	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	6.1/5 <sup>5</sup>
08/05/02	35.53	19.73	15.80	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	5.1/5 <sup>5</sup>
11/04/02	35.53	17.22	18.31	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	5.5/5 <sup>5</sup>
02/03/03	35.53	22.11	13.42	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	2.8/3 <sup>5</sup>
05/02/03	35.53	23.08	12.45	0.00	0.00	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 <sup>5</sup>

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-3322  
 7225 Bancroft Avenue  
 Oakland, California

WELL ID/ DATE	TOC* ( <i>fl.</i> )	GWE ( <i>msl</i> )	DTW ( <i>ft.</i> )	SPHT ( <i>ft.</i> )	SPH REMOVED ( <i>gallons</i> )	TPH-G ( <i>ppb</i> )	B ( <i>ppb</i> )	T ( <i>ppb</i> )	E ( <i>ppb</i> )	X ( <i>ppb</i> )	MTBE ( <i>ppb</i> )
<b>TRIP BLANK</b>											
02/08/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/13/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/24/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/02/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/03/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/07/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/08/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/05/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/28/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/09/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.500
05/11/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/30/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
<b>QA</b>											
11/21/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/05/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/02	--	--	--	--	--	<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
10/04/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/03/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/02/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-3322  
7225 Bancroft Avenue  
Oakland, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to May 5, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene T = Toluene E = Ethylbenzene X = Xylenes	MTBE = Methyl tertiary butyl ether (ppb) = Parts per billion -- = Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank
GWE = Groundwater Elevation (msl) = Mean sea level		
DTW = Depth to Water		
SPHT = Separate Phase Hydrocarbon Thickness		
SPH = Separate Phase Hydrocarbons		

\* TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark designated 3787 in field book 1595, page 50; cut square northerly curb on Krause Ave., approx. 37 feet westerly of PL westerly of 73rd Ave., (Elevation = 33.82 feet).

\*\* GWE corrected for the presence of free product; correction factor:  $[(TOC - DTW) + (SPHT \times 0.8)]$ .

- 1 Confirmation run.
- 2 Laboratory report indicates gasoline C6-C12.
- 3 Laboratory report indicates weathered gasoline C6-C12.
- 4 Product and water removed.
- 5 MTBE by EPA Method 8260.
- 6 Well development performed.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Chevron Service Station #9-3322  
 7225 Bancroft Avenue  
 Oakland, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-8	04/01/02	<100	<2	<2	<2	<2
	08/05/02	<100	<2	<2	<2	<2
	11/04/02	<100	<2	<2	<2	<2
	02/03/03	<5	0.6	<0.5	<0.5	<0.5
	05/02/03	<5	<0.5	<0.5	<0.5	<0.5
MW-9	04/01/02	<100	19	<2	<2	<2
	08/05/02	<100	15	<2	<2	<2
	11/04/02	<100	21	<2	<2	<2
	02/03/03	<5	16	<0.5	<0.5	0.8
	05/02/03	<5	18	<0.5	<0.5	0.8
MW-10	04/01/02	<100	5	<2	<2	<2
	08/05/02	<100	5	<2	<2	<2
	11/04/02	<100	5	<2	<2	<2
	02/03/03	<5	3	<0.5	<0.5	<0.5
	05/02/03	<5	<0.5	<0.5	<0.5	<0.5

**EXPLANATIONS:**

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

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

## 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 Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322  
 Site Address: 7225 Bancroft Avenue  
 City: Oakland, CA

Job Number: 386433  
 Event Date: 5/2/03 (inclusive)  
 Sampler: Jim Hezrew

Well ID: MW-1  
 Well Diameter: 2 in.  
 Total Depth: 33.96 ft.  
 Depth to Water: 13.28 ft.  
20.68

Date Monitored: 5/2/03 Well Condition: OK

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 = 3.51 x3 (case volume) = Estimated Purge Volume: 10.54 gal.

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

Sampling Equipment:  
 Disposable Bailer X  
 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): 1045 Weather Conditions: Rain  
 Sample Time/Date: 1115 5/2/03 Water Color: Cloudy Odor: Yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: No  
 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>1052</u>	<u>3.5</u>	<u>6.81</u>	<u>928</u>	<u>20.0</u>	_____	_____
<u>1059</u>	<u>7.0</u>	<u>6.72</u>	<u>932</u>	<u>19.8</u>	_____	_____
<u>1105</u>	<u>10.5</u>	<u>6.69</u>	<u>940</u>	<u>19.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) -OR-</u>
<u>MW-</u>	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)/</u> <u>5 OXYS(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New JWC Taken

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-2 Date Monitored: 5/2/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 29.88 ft.  
 Depth to Water: 8.31 ft.  
21.57 xVF .17 = 3.66 x3 (case volume) = Estimated Purge Volume: 11.00 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 X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 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): 1220 Weather Conditions: Rain  
 Sample Time/Date: 1250 5/2/03 Water Color: cloudy Odor: yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: N  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1225</u>	<u>3.5</u>	<u>7.60</u>	<u>356</u>	<u>19.0</u>	_____	_____
<u>1231</u>	<u>7.0</u>	<u>7.51</u>	<u>361</u>	<u>17.6</u>	_____	_____
<u>1237</u>	<u>10.5</u>	<u>7.23</u>	<u>374</u>	<u>18.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) -OR-</u>
<u>MW-</u>	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)/</u> <u>5 OXYS(8260)</u>
_____	_____	_____	_____	_____	_____

COMMENTS: New Twd Taken

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herroin

Well ID: MW-3 Date Monitored: 5/2/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 32.91 ft.  
 Depth to Water: 13.07 ft.  
19.84 xVF .17 = 3.37 x3 (case volume) = Estimated Purge Volume: 10.11 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 X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 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): 1305 Weather Conditions: Rain  
 Sample Time/Date: 1330 5/2/03 Water Color: Grey Odor: Yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.548  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1301</u>	<u>3</u>	<u>6.97</u>	<u>832</u>	<u>19.2</u>		
<u>1317</u>	<u>6</u>	<u>6.73</u>	<u>852</u>	<u>19.6</u>		
<u>1323</u>	<u>9</u>	<u>6.69</u>	<u>834</u>	<u>19.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) -OR-</u>
<u>MW-3</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)/</u> <u>5 OXYS(8260)</u>

COMMENTS: New Two taken

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





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-4 Date Monitored: 5/2/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 30.26 ft.  
 Depth to Water: 12.85 ft.  
17.41 xVF .17 = 2.95 x3 (case volume) = Estimated Purge Volume: 8.87 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 X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 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): 0920 Weather Conditions: cloudy  
 Sample Time/Date: 0950 5/2/03 Water Color: cloudy Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: light  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0925</u>	<u>3</u>	<u>8.61</u>	<u>431</u>	<u>20.3</u>	_____	_____
<u>0931</u>	<u>6</u>	<u>7.69</u>	<u>441</u>	<u>19.0</u>	_____	_____
<u>0936</u>	<u>9</u>	<u>7.45</u>	<u>438</u>	<u>18.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021) -OR-
<u>MW</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)
_____	_____	_____	_____	_____	_____

COMMENTS: New twd taken

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-5 Date Monitored: 5/2/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 31.55 ft.

Depth to Water: 13.96 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

17.59 xVF .17 = 2.99 x3 (case volume) = Estimated Purge Volume: 8.97 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer X  
 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 / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1000 Weather Conditions: RAIN  
 Sample Time/Date: 1030 5/2/03 Water Color: Cloudy Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: NO  
 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>1006</u>	<u>3</u>	<u>7.51</u>	<u>622</u>	<u>19.1</u>		
<u>1011</u>	<u>6</u>	<u>7.34</u>	<u>652</u>	<u>18.7</u>		
<u>1017</u>	<u>9</u>	<u>7.19</u>	<u>639</u>	<u>18.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>2</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021) -OR-</u>
<u>MW</u>	<u>1</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)/</u> <u>5 OXYS(8260)</u>

COMMENTS: New well taken

Add/Replaced Lock: \_\_\_\_\_

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322  
 Site Address: 7225 Bancroft Avenue  
 City: Oakland, CA

Job Number: 386433  
 Event Date: 5/2/03 (inclusive)  
 Sampler: Jim Herron

Well ID: MW- 26  
 Well Diameter: 2 in.  
 Total Depth: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.

Date Monitored: 5/2/03 Well Condition: etc see notes

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

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / 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 (u mhos/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(8021) -OR-
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)

COMMENTS: Unable to access - CUE Blocking well  
UTH on owner

Add/Replaced Lock: \_\_\_\_\_

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW- 8 Date Monitored: 5/2/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 29.94 ft.  
 Depth to Water: 12.12 ft.  
17.82 xVF .17 = 3.02 x3 (case volume) = Estimated Purge Volume: 9.06 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 X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 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): 1130 Weather Conditions: Rain  
 Sample Time/Date: 1200 5/2/03 Water Color: cloudy Odor: yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 1.7H9  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1136</u>	<u>3</u>	<u>7.60</u>	<u>526</u>	<u>18.7</u>	_____	_____
<u>1142</u>	<u>6</u>	<u>7.26</u>	<u>520</u>	<u>19.1</u>	_____	_____
<u>1149</u>	<u>9</u>	<u>6.83</u>	<u>503</u>	<u>19.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<del>MW</del>	<del>x voa vial</del>	<del>YES</del>	<del>HCL</del>	<del>LANCASTER</del>	<del>TPH-G(8015)/BTEX+MTBE(8024) OR</del>
MW- <u>8</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)

COMMENTS: New fuel taken

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433  
 Site Address: 7225 Bancroft Avenue Event Date: 5/2/03 (inclusive)  
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-9 Date Monitored: 5/2/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 29.96 ft.  
 Depth to Water: 11.68 ft.  
18.28 xVF 1.17 = 3.10 x3 (case volume) = Estimated Purge Volume: 9.32 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 X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer X  
 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): 1350 Weather Conditions: Rain  
 Sample Time/Date: 1415 5/2/03 Water Color: Cloudy Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: no  
 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>1355</u>	<u>3</u>	<u>7.19</u>	<u>624</u>	<u>17.3</u>		
<u>1359</u>	<u>6</u>	<u>7.00</u>	<u>645</u>	<u>18.6</u>		
<u>1406</u>	<u>9</u>	<u>6.89</u>	<u>651</u>	<u>18.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<del>MW-9</del>	<del>6</del> x vov vial	<del>YES</del>	<del>HCL</del>	<del>LANCASTER</del>	<del>TPH-G(8015)/BTEX+MTBE(8021) OR</del>
MW-9	6 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)

COMMENTS: New tube taken

Add/Replaced Lock: \_\_\_\_\_

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322  
 Site Address: 7225 Bancroft Avenue  
 City: Oakland, CA

Job Number: 386433  
 Event Date: 5/2/03 (inclusive)  
 Sampler: Jim Herson

Well ID: MW-10  
 Well Diameter: 2 in.  
 Total Depth: 29.89 ft.  
 Depth to Water: 12.45 ft.  
17.44

Date Monitored: 5/2/03 Well Condition: OK

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 = 2.96 x3 (case volume) = Estimated Purge Volume: 8.89 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): 1435 Weather Conditions: Rain  
 Sample Time/Date: 1505 5/1/03 Water Color: Light Green Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: 100 ft  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1441</u>	<u>3</u>	<u>7.16</u>	<u>520</u>	<u>18.2</u>	_____	_____
<u>1448</u>	<u>6</u>	<u>6.92</u>	<u>501</u>	<u>18.1</u>	_____	_____
<u>1456</u>	<u>9</u>	<u>6.74</u>	<u>483</u>	<u>19.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<del>MW-10</del>	<del>x vov vial</del>	<del>YES</del>	<del>HCL</del>	<del>LANCASTER</del>	<del>TPH-G(8015)/BTEX+MTBE(8021)-OR</del>
MW-10	6 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/5 OXYS(8260)

COMMENTS: new fuel tank

Add/Replaced Lock: \_\_\_\_\_

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

# Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 10904 Sample #: 4039250-58 SCR#: \_\_\_\_\_

050503-008

3-850860

Facility #: SS#9-3322 G-R#386433 Global ID#T0600102079  
 Site Address: 7225 BANCROFT AVE., 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 #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: Jim Harro  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

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

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>      B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>      O = Other

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

**8021 MTBE Confirmation**  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy s on highest hit  
 Run \_\_\_ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	BTX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421
QA	5/2/03		X						X	X	X				
MW-1		1115	X		X	X			X	X	X				
MW-2		1250	X		X	X			X	X	X				
MW-3		1330	X		X	X			X	X	X				
MW-4		0950	X		X	X			X	X	X				
MW-5		1030	X		X	X			X	X	X				
MW-8		1200	X		X	X			X	X	X				
MW-9		1415	X		X	X			X	X	X			X	
MW-10		1505	X		X	X			X	X	X			X	

**Comments / Remarks**

**Turnaround Time Requested (TAT) (please circle)**

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

**Data Package Options (please circle if required)**

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

Relinquished by: _____	Date: <u>5/2/03</u>	Time: <u>1600</u>	Received by: _____	Date: <u>5/2/03</u>	Time: <u>1300</u>
Relinquished by: _____	Date: <u>5/5/03</u>	Time: <u>1300</u>	Received by: <u>Arches Amays</u>	Date: <u>5/5/03</u>	Time: <u>1300</u>
Relinquished by: <u>Arches Amays</u>	Date: <u>5/5/03</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>5/5/03</u>	Time: _____
Relinquished by Commercial Carrier: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
UPS      FedEx <u>Other</u> <u>Airborne</u>	Temperature Upon Receipt: <u>3.5</u> °C		Custody Seals Intact? <u>Yes</u> No	Date: <u>5/5/03</u>	Time: <u>0705</u>

**ANALYTICAL RESULTS**

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310San 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 850860. Samples arrived at the laboratory on Tuesday, May 06, 2003. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-030502	NA Water	4039250
MW-1-030502	Grab Water	4039251
MW-2-030502	Grab Water	4039252
MW-3-030502	Grab Water	4039253
MW-4-030502	Grab Water	4039254
MW-5-030502	Grab Water	4039255
MW-8-W-030502	Grab Water	4039256
MW-9-W-030502	Grab Water	4039257
MW-10-W-030502	Grab Water	4039258

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

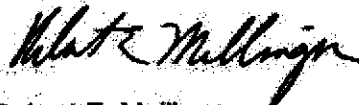
Attn: Cheryl Hansen

Attn: Deanna L. Harding



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

Respectfully Submitted,



Robert E. Mellinger  
Senior Chemist, Coordinator

Lancaster Laboratories Sample No. **WW 4039250**

Collected: 05/02/2003 00:00

Account Number: 10904

 Submitted: 05/06/2003 11:45  
 Reported: 05/19/2003 at 13:09  
 Discard: 06/19/2003  
 QA-T-030502

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310

NA Water

San Ramon CA 94583

 Facility# 93322 Job# 386433  
 7225 Bancroft Ave-Oakland T0600102079 QA

GRD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 23:28	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 23:28	Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 23:28	Jamie A Lutz	n.a.

**Lancaster Laboratories Sample No. WW 4039251**

Collected: 05/02/2003 11:15 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

ChevronTexaco

Reported: 05/19/2003 at 13:09

6001 Bollinger Canyon Rd L4310

Discard: 06/19/2003

MW-1-030502

Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-1

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.	140,000.	2,500.	ug/l	50
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	9,900.	25.	ug/l	50
02164	Toluene	108-88-3	5,900.	25.	ug/l	50
02166	Ethylbenzene	100-41-4	4,200.	25.	ug/l	50
02171	Total Xylenes	1330-20-7	21,000.	75.	ug/l	50
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	130.	ug/l	50

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 21:05	Jamie A Lutz	50
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 21:05	Jamie A Lutz	50
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 21:05	Jamie A Lutz	n.a.

**Lancaster Laboratories Sample No. WW 4039252**

Collected: 05/02/2003 12:50

by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

Reported: 05/19/2003 at 13:10

Discard: 06/19/2003

MW-2-030502

Grab

Water

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 93322

Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	12,000.	250.	ug/l	5
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	20.	ug/l	5
02164	Toluene	108-88-3	3.9	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	350.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	1,500.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	150.	13.	ug/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for benzene. 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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/09/2003 01:14	Jamie A Lutz	5
02159	BTEX, MTBE	SW-846 8021B	1	05/09/2003 01:14	Jamie A Lutz	5
01146	GC VOA Water Prep	SW-846 5030B	1	05/09/2003 01:14	Jamie A Lutz	n.a.

**Lancaster Laboratories Sample No. WW 4039253**

Collected: 05/02/2003 13:30 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

Reported: 05/19/2003 at 13:10

Discard: 06/19/2003

MW-3-030502

Grab

Water

San Ramon CA 94583

Facility# 93322

Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-3

ChevronTexaco

6001 Bollinger Canyon Rd L4310

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.	18,000.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	1,200.	2.5	ug/l	5
02164	Toluene	108-88-3	270.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	1,100.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	2,500.	7.5	ug/l	5
02172	Methyl tert-Butyl Ether	1634-04-4	1,400.	13.	ug/l	5
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

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	1	05/09/2003	01:50	Jamie A Lutz	5
02159	BTEX, MTBE	SW-846 8021B	1	05/09/2003	01:50	Jamie A Lutz	5
01146	GC VOA Water Prep	SW-846 5030B	1	05/09/2003	01:50	Jamie A Lutz	n.a.

Lancaster Laboratories Sample No. **WW 4039254**

Collected: 05/02/2003 09:50 by JH

Account Number: 10904

 Submitted: 05/06/2003 11:45  
 Reported: 05/19/2003 at 13:10  
 Discard: 06/19/2003

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310

 MW-4-030502 Grab Water  
 Facility# 93322 Job# 386433  
 7225 Bancroft Ave-Oakland T0600102079 MW-4

San Ramon CA 94583

GRD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 16:40	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 16:40	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 16:40	Martha L Seidel	n.a.

**Lancaster Laboratories Sample No. WW 4039255**

Collected: 05/02/2003 10:30 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

ChevronTexaco

Reported: 05/19/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 06/19/2003

MW-5-030502 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 18:00		Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 18:00		Jamie A Lutz	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 18:00		Jamie A Lutz	n.a.

**Lancaster Laboratories Sample No. WW 4039256**

Collected: 05/02/2003 12:00 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

ChevronTexaco

Reported: 05/19/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 06/19/2003

MW-8-W-030502 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-8

M8322

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.	180.	50.	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	2.5	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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 19:20	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 19:20	Jamie A Lutz	1
01595	Oxygenates by 8260B	SW-846 8260B	1	05/15/2003 20:14	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 19:20	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/15/2003 20:14	John B Kiser	n.a.



**Lancaster Laboratories Sample No. WW 4039257**

Collected: 05/02/2003 14:15 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

ChevronTexaco

Reported: 05/19/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 06/19/2003

MW-9-W-030502 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-9

M9322

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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	0.6	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	21.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	18.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	0.8	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 19:55	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 19:55	Jamie A Lutz	1
01595	Oxygenates by 8260B	SW-846 8260B	1	05/16/2003 10:10	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 19:55	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/16/2003 10:10	John B Kiser	n.a.

**Lancaster Laboratories Sample No. WW 4039258**

Collected: 05/02/2003 15:05 by JH

Account Number: 10904

Submitted: 05/06/2003 11:45

ChevronTexaco

Reported: 05/19/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 06/19/2003

MW-10-W-030502

Grab

Water

San Ramon CA 94583

Facility# 93322

Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-10

10322

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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
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
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/08/2003 20:29	Jamie A Lutz	1
02159	BTEX, MTBE	SW-846 8021B	1	05/08/2003 20:29	Jamie A Lutz	1
01595	Oxygenates by 8260B	SW-846 8260B	1	05/16/2003 10:42	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/08/2003 20:29	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/16/2003 10:42	John B Kiser	n.a.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 05/19/03 at 01:10 PM

Group Number: 850860

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03128A56B Sample number(s): 4039250-4039258								
TPH-GRO - Waters	N.D.	50.	ug/l	98	101	70-130	4	30
Benzene	N.D.	0.5	ug/l	115	118	80-118	3	30
Toluene	N.D.	0.5	ug/l	112	115	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	113	116	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	114	117	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	114	115	79-127	1	30
Batch number: P031352AA Sample number(s): 4039256								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	100		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	108		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	107		53-147		
Batch number: P031352AB Sample number(s): 4039257-4039258								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	100		74-125		
Ethyl t-butyl ether	N.D.	0.5	ug/l	108		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	107		53-147		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03128A56B Sample number(s): 4039250-4039258								
TPH-GRO - Waters	104		70-130					
Benzene	113		67-136					
Toluene	114		78-129					
Ethylbenzene	115		75-133					
Total Xylenes	113		86-132					
Methyl tert-Butyl Ether	114		66-136					
Batch number: P031352AA Sample number(s): 4039256								
Methyl Tertiary Butyl Ether	105	105	69-134	0	30			
di-Isopropyl ether	105	103	75-130	2	30			
Ethyl t-butyl ether	112	113	73-123	1	30			
t-Amyl methyl ether	102	103	77-117	1	30			
t-Butyl alcohol	110	111	39-155	1	30			
Batch number: P031352AB Sample number(s): 4039257-4039258								
Methyl Tertiary Butyl Ether	105	105	69-134	0	30			
di-Isopropyl ether	105	103	75-130	2	30			
Ethyl t-butyl ether	112	113	73-123	1	30			
t-Amyl methyl ether	102	103	77-117	1	30			
t-Butyl alcohol	110	111	39-155	1	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: 05/19/03 at 01:10 PM

Group Number: 850860

### Surrogate Quality Control

 Analysis Name: BTEX, MTBE  
 Batch number: 03128A56B

	Trifluorotoluene-F	Trifluorotoluene-P
4039250	93	106
4039251	103	112
4039252	99	117
4039253	105	118
4039254	90	103
4039255	93	105
4039256	100	111
4039257	92	108
4039258	90	104
Blank	91	105
LCS	95	104
LCSD	91	105
MS	98	105
<b>Limits: 57-146 66-136</b>		

 Analysis Name: Oxygenates by 8260B  
 Batch number: P031352AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4039256	93	106	95	92
Blank	94	103	95	90
LCS	93	105	95	92
MS	92	104	96	93
MSD	93	107	95	92
<b>Limits: 81-120 82-112 85-112 83-113</b>				

 Analysis Name: Oxygenates by 8260B  
 Batch number: P031352AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4039257	94	102	94	90
4039258	95	106	95	90
Blank	93	106	95	89
LCS	93	105	95	92
MS	92	104	96	93
MSD	93	107	95	92
<b>Limits: 81-120 82-112 85-112 83-113</b>				

## \*- Outside of specification

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

# Explanation of Symbols and Abbreviations

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

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

### Inorganic Qualifiers

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

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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