

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

R0 274

September 23, 2003

ChevronTexaco

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

Alameda County
SEP 23 2003
Environmental Health

Re: Chevron Service Station # 9-3322

Address: 7225 Bancroft Avenue, Oakland, CA

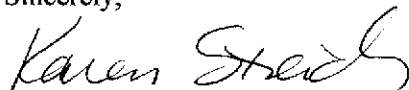
I have reviewed the attached routine groundwater monitoring report dated September 08, 2003.

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

September 8, 2003

G-R #386433

Alameda County

SEP 2 2003

TO: Mr. Robert Foss **Environmental Health** CC: Ms. Karen Streich
 Cambria Environmental Technology, Inc. Chevron Products Company
 5900 Hollis Street, Suite A P.O. Box 6004
 Emeryville, CA 94608 San Ramon, California 94583

FROM: Deanna L. Harding RE: **Chevron Service Station**
 Project Coordinator #9-3322
 Gettler-Ryan Inc. 7225 Bancroft Avenue
 6747 Sierra Court, Suite J Oakland, California
 Dublin, California 94568

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	August 29, 2003	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 1, 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 *September 22, 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

trans/9-3322-ks



GETTLER-RYAN INC.

August 29, 2003
G-R Job #386433

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

RE: Third Quarter Event of August 1, 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

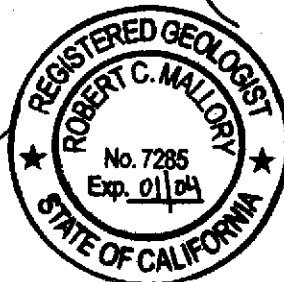
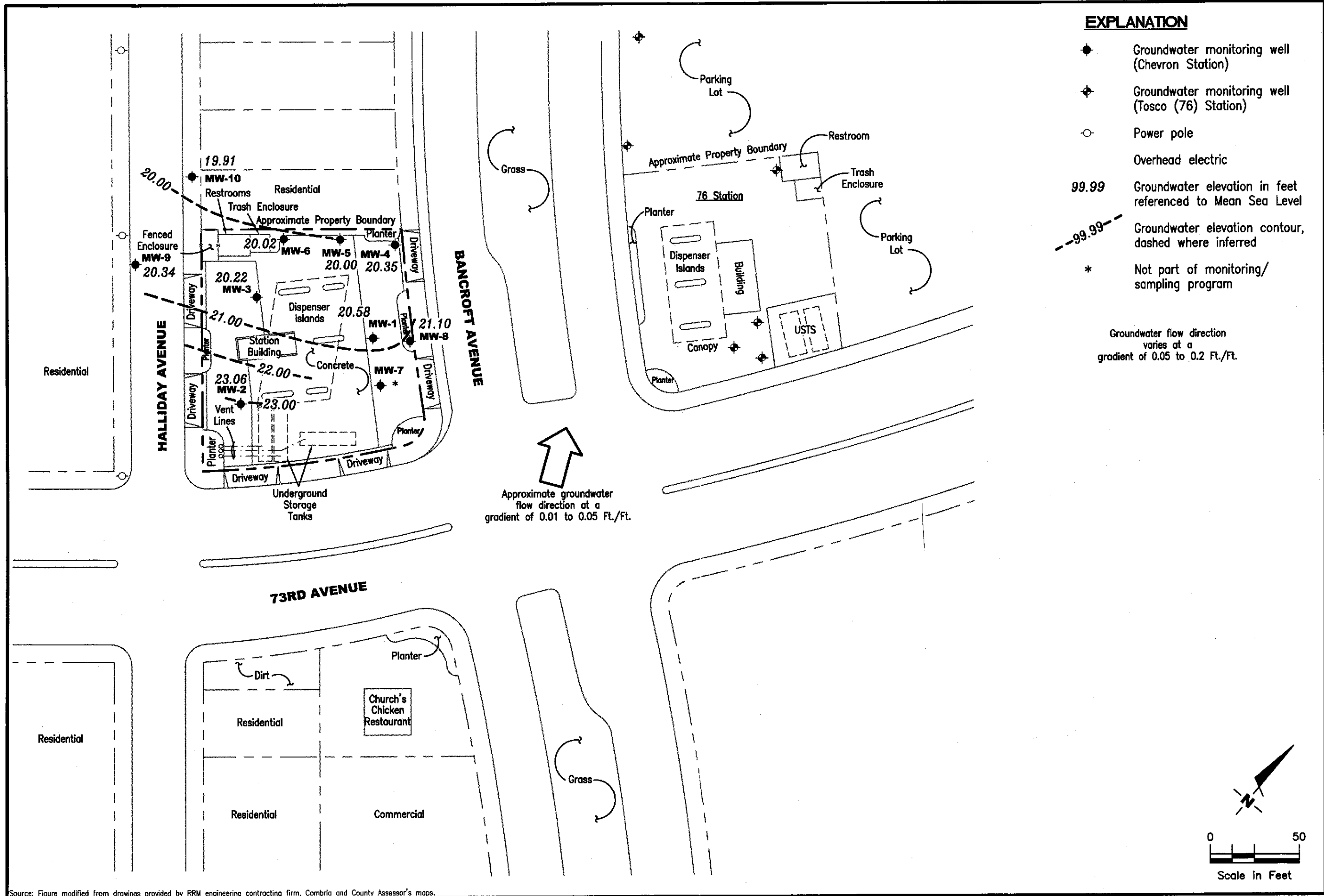


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



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
- * Not part of monitoring/sampling program

Groundwater flow direction varies at a gradient of 0.05 to 0.2 Ft./Ft.

Approximate groundwater flow direction at a gradient of 0.01 to 0.05 Ft./Ft.

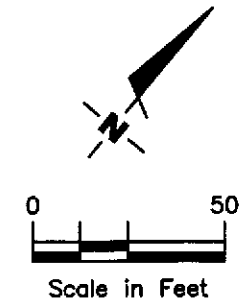


FIGURE **1**

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

DATE August 1, 2003
 REVISED DATE

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: Pot3

Source: Figure modified from drawings provided by RRM engineering contracting firm, Contra Costa and 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)
MW-1											
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 ²	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 ²	20,000	15,000	3,400	23,000	1,200
11/26/00	40.41	20.44**	20.18	0.26	0.26 ⁴	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/09/01	40.41	22.40**	18.03	0.03	0.26 ⁴	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
05/11/01	40.41	25.31	15.10	0.00	0.00	89,000 ²	21,000	12,000	3,200	14,000	<500
08/30/01	40.41	20.05**	20.42	0.07	0.26 ⁴	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
08/01/03 ⁷	37.40	20.58	16.82	0.00	0.00	250,000	16,000	7,300	3,700	19,000	45
MW-2											
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

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)
MW-2 (cont)											
02/03/99	38.73	27.16	11.57	--	--	16,000	140	110	850	3,100	900
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 ²	34	22	320	1,100	170
07/28/00	38.73	26.16	12.57	0.00	0.00	6,700 ²	40	13	490	540	190
11/26/00	38.73	26.83	11.90	0.00	0.00	8,200 ²	21	9.5	400	1,100	120
02/09/01	38.73	26.53	12.20	0.00	0.00	11,200 ³	<50.0	<50.0	629	1,380	282
05/11/01	38.73	29.75	8.98	0.00	0.00	6,800 ²	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
08/01/03 ⁷	35.72	23.06	12.66	0.00	0.00	12,000	14	4	330	730	140
MW-3											
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 ¹
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 ¹
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

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)
MW-3 (cont)											
05/05/00	39.51	23.87	15.64	0.00	0.00	27,000 ²	2,600	960	1,500	5,200	2,500
07/28/00	39.51	21.28	18.23	0.00	0.00	7,400 ²	950	360	840	3,200	1,700
11/26/00	39.51	20.13	19.38	0.00	0.00	20,000 ²	1,800	690	1,400	5,500	1,600
02/09/01	39.51	21.79	17.72	0.00	0.00	31,200 ³	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 ²	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
08/01/03 ⁷	36.53	20.22	16.31	0.00	0.00	7,700	300	79	410	820	780
MW-4											
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

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)
MW-4											
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
08/01/03 ⁷	37.29	20.35	16.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5											
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
08/01/03 ⁷	37.40	20.00	17.40	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6											
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

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)
MW-6 (cont)											
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 ²	1,900	98	170	290	1,300
07/28/00	39.84	20.90	18.94	0.00	0.00	1,200 ²	660	30	83	36	650
11/26/00	39.84	19.71	20.13	0.00	0.00	7,600 ²	4,300	63	360	110	2,000
02/09/01	39.84	21.44	18.40	0.00	0.00	18,200 ³	7,090	<100	457	169	2,930
05/11/01	39.84	24.39	15.45	0.00	0.00	2,600 ²	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
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				--	--	--	--	--	--
08/01/03 ⁷	36.90	20.02	16.88	0.00	0.00	1,500	400	3	14	3	540
MW-8											
04/01/02 ⁶	37.21	26.11	11.10	0.00	0.00	1,200	8.6	<0.50	2.5	2.5	<2.5/<2 ⁵
08/05/02	37.21	21.07	16.14	0.00	0.00	560	11	<0.50	<0.50	<1.5	<2.5/<2 ⁵
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 ⁵
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 ⁵
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 ⁵
08/01/03 ⁷	37.21	21.10	16.11	0.00	0.00	220	2	<0.5	<0.5	<0.5	0.8
MW-9											
04/01/02 ⁶	35.03	24.41	10.62	0.00	0.00	94	1.5	<0.50	<0.50	<1.5	25/19 ⁵
08/05/02	35.03	20.18	14.85	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	18/15 ⁵
11/04/02	35.03	17.55	17.48	0.00	0.00	<50	<0.50	1.7	<0.50	2.1	24/21 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)
MW-9 (cont)											
02/03/03	35.03	22.52	12.51	0.00	0.00	<50	1.9	<0.50	<0.50	<1.5	17/16 ⁵
05/02/03	35.03	23.35	11.68	0.00	0.00	<50	0.6	<0.5	<0.5	<1.5	21/18 ⁵
08/01/03 ⁷	35.03	20.34	14.69	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22
MW-10											
04/01/02 ⁶	35.53	23.81	11.72	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	6.1/5 ⁵
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 ⁵
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 ⁵
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 ⁵
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 ⁵
08/01/03 ⁷	35.53	19.91	15.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2
TRIP BLANK											
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	<2.50
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

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)
QA											
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	<0.5	<0.5	<0.5	<1.5	<2.5
05/02/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/01/03 ⁷	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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

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

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbon Thickness

SPH = Separate Phase Hydrocarbons

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

* 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.

⁷ BTEX and MTBE by EPA Method 8260.

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

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	08/01/03	<2,000	--	45	--	--	--
MW-2	08/01/03	<100	--	140	--	--	--
MW-3	08/01/03	<130	--	780	--	--	--
MW-4	08/01/03	<50	--	<0.5	--	--	--
MW-5	08/01/03	<50	--	<0.5	--	--	--
MW-6	08/01/03	<100	--	540	--	--	--
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
	08/01/03	<50	<5	0.8	<0.5	<0.5	<0.5
	08/01/03	<50	<5	0.8	<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
	08/01/03	<50	7	22	0.9	<0.5	1

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

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
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
	08/01/03	<50	<5	2	<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
 -- = Not Analyzed

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 Job Number: 386433
 Site Address: 7225 Bancroft Avenue Event Date: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Herrera

Well ID: MW-1 Date Monitored: 8/1/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 33.96 ft.
 Depth to Water: 16.82 ft.
17.14 xVF .17 = 2.91 x3 (case volume) = Estimated Purge Volume: 8.74 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1240 Weather Conditions: Clear
 Sample Time/Date: 1305 8/1/03 Water Color: Cloudy Odor: YES
 Purging Flow Rate: _____ gpm. Sediment Description: 1.2 HWT
 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>1246</u>	<u>3</u>	<u>7.09</u>	<u>1176</u>	<u>20.9</u>	_____	_____
<u>1252</u>	<u>6</u>	<u>7.28</u>	<u>1231</u>	<u>19.7</u>	_____	_____
<u>1300</u>	<u>9</u>	<u>7.31</u>	<u>1279</u>	<u>20.1</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260)
MW- <u> </u>	<u> </u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/5 OXYS+ETHANOL(8260)

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-2 Date Monitored: 8/1/03 Well Condition: o/c
 Well Diameter: 2 in.
 Total Depth: 29.88 ft.
 Depth to Water: 12.66 ft.
 $17.22 \times VF .17 = 2.92 \times 3$ (case volume) = Estimated Purge Volume: 8.78 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1315 Weather Conditions: clear
 Sample Time/Date: 1345 8/1/03 Water Color: clear Odor: yes
 Purging Flow Rate: - gpm. Sediment Description: light
 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>1321</u>	<u>3</u>	<u>7.12</u>	<u>536</u>	<u>22.1</u>	_____	_____
<u>1327</u>	<u>6</u>	<u>7.16</u>	<u>507</u>	<u>22.6</u>	_____	_____
<u>1334</u>	<u>9</u>	<u>7.16</u>	<u>497</u>	<u>21.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</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>
<u>MW-2</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/5 OXYS+ETHANOL(8260)</u>

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Sim Heron

Well ID: MW-3 Date Monitored: 8/1/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 32.91 ft.
 Depth to Water: 16.31 ft.
16.60 xVF .17 = 2.82 x3 (case volume) = Estimated Purge Volume: 8.46 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ 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): 1355 Weather Conditions: clear
 Sample Time/Date: 1415 8/1/03 Water Color: cloudy Odor: no
 Purging Flow Rate: — gpm. Sediment Description: 1.5 ft
 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>1400</u>	<u>2.5</u>	<u>7.08</u>	<u>1094</u>	<u>20.6</u>		
<u>1405</u>	<u>5.0</u>	<u>7.03</u>	<u>1114</u>	<u>20.1</u>		
<u>1410</u>	<u>7.5</u>	<u>7.17</u>	<u>1107</u>	<u>19.9</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> <u>OR</u>
<u>MW-</u>	<u>—</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/5 OXYS+ETHANOL(8260)</u>

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Heran

Well ID: MW-4 Date Monitored: 8/1/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 30.26 ft.
 Depth to Water: 16.94 ft.
13.32 xVF .17 = 226 x3 (case volume) = Estimated Purge Volume: 679 gal.

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

Purge Equipment:
 Disposable Bailer 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: Clear
 Sample Time/Date: 1155 8/1/03 Water Color: Cloudy Odor: NO
 Purging Flow Rate: _____ gpm. Sediment Description: 1.5 NT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1135</u>	<u>2</u>	<u>7.16</u>	<u>934</u>	<u>20.2</u>	_____	_____
<u>1140</u>	<u>4</u>	<u>7.09</u>	<u>430</u>	<u>19.9</u>	_____	_____
<u>1145</u>	<u>6</u>	<u>7.01</u>	<u>429</u>	<u>19.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</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>
_____	_____	_____	_____	_____	<u>OR</u>
<u>MW-4</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/5 OXYS+ETHANOL(8260)</u>

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-5 Date Monitored: 8/1/03 Well Condition: o/c

Well Diameter: 2 in.

Total Depth: 38.55 ft.

Depth to Water: 17.40 ft.

14.15

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 = 2.40 x3 (case volume) = Estimated Purge Volume: 7.21 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): 1055 Weather Conditions: clear
 Sample Time/Date: 1120 8/1/03 Water Color: cloudy Odor: no
 Purging Flow Rate: - gpm. Sediment Description: Heavy
 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>1100</u>	<u>2.5</u>	<u>7.14</u>	<u>676</u>	<u>19.0</u>	_____	_____
<u>1106</u>	<u>5.0</u>	<u>7.03</u>	<u>658</u>	<u>18.7</u>	_____	_____
<u>1112</u>	<u>7.5</u>	<u>7.13</u>	<u>672</u>	<u>18.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Herron

Well ID: MW-6 Date Monitored: 8/1/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 31.25 ft.

Depth to Water: 16.88 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

14.37 xVF .17 = 2.44 x3 (case volume) = Estimated Purge Volume: 7.32 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): 1020 Weather Conditions: clear
 Sample Time/Date: 1045 8/1/03 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>1025</u>	<u>2.5</u>	<u>7.09</u>	<u>1331</u>	<u>19.1</u>	<u>B</u>	
<u>1031</u>	<u>5.6</u>	<u>7.11</u>	<u>1354</u>	<u>18.7</u>		
<u>1037</u>	<u>7.5</u>	<u>7.10</u>	<u>1378</u>	<u>19.0</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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: 8/1/03 (inclusive)
 Sampler: Jim Heaton

Well ID: MW-8 Date Monitored: 8/1/03 Well Condition: ok

Well Diameter: 2 in.
 Total Depth: 29.94 ft.
 Depth to Water: 16.11 ft.
13.83

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

$\times VF = .17 = 2.35 \times 3$ (case volume) = Estimated Purge Volume: 7.05 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): 1205 Weather Conditions: clear
 Sample Time/Date: 1230 / 8/1/03 Water Color: cloudy Odor: no
 Purging Flow Rate: — gpm. Sediment Description: Heavy
 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>1210</u>	<u>2</u>	<u>7.10</u>	<u>639</u>	<u>20.7</u>	_____	_____
<u>1214</u>	<u>4</u>	<u>7.12</u>	<u>621</u>	<u>20.3</u>	_____	_____
<u>1220</u>	<u>6</u>	<u>7.29</u>	<u>605</u>	<u>19.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS:

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Heenan

Well ID: MW-9 Date Monitored: 8/1/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.96 ft.
 Depth to Water: 14.69 ft.
5.27 xVF .17 = .89 x3 (case volume) = Estimated Purge Volume: 2.68 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): 0940 Weather Conditions: clear
 Sample Time/Date: 1000 / 8/1/03 Water Color: Cloudy Odor: no
 Purging Flow Rate: - gpm. Sediment Description: 1.2 BT
 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>0943</u>	<u>1</u>	<u>7.11</u>	<u>703</u>	<u>20.9</u>		
<u>0946</u>	<u>2</u>	<u>7.11</u>	<u>720</u>	<u>20.5</u>		
<u>0949</u>	<u>3</u>	<u>7.06</u>	<u>741</u>	<u>20.3</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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: 8/1/03 (inclusive)
 City: Oakland, CA Sampler: Jim Herrew

Well ID: MW-10 Date Monitored: 8/1/03 Well Condition: ok
 Well Diameter: 2 in.
 Total Depth: 29.89 ft.
 Depth to Water: 15.62 ft.
 Volume Factor (VF): 14.27 xVF .17 = 2.42 x3 (case volume) = Estimated Purge Volume: 7.27 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 / Adsorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 0900 Weather Conditions: clear
 Sample Time/Date: 0925 8/1/03 Water Color: cloudy Odor: no
 Purging Flow Rate: _____ gpm. Sediment Description: 1.90 ft
 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>0906</u>	<u>2.5</u>	<u>7.18</u>	<u>823</u>	<u>21.5</u>	_____	_____
<u>0911</u>	<u>5.0</u>	<u>7.13</u>	<u>815</u>	<u>20.9</u>	_____	_____
<u>0917</u>	<u>7.5</u>	<u>6.99</u>	<u>798</u>	<u>20.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



080403-002

Acct. #: 10404 For Lancaster Laboratories use only
 Sample #: 4094558-67 SCR#: 861864

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 Hagan
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested										
Potable <input type="checkbox"/> NPDES	Water <input type="checkbox"/> Air	Preservation Codes										
		Soil	Oil	Air	BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	Ethanol
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	Ethanol
<u>QA</u>	<u>8/1/03</u>		<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					
<u>MW-1</u>	<u>↑</u>	<u>1305</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-2</u>	<u>↑</u>	<u>1345</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-3</u>	<u>↑</u>	<u>1415</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-4</u>	<u>↑</u>	<u>1155</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-5</u>	<u>↑</u>	<u>1120</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-6</u>	<u>↑</u>	<u>1045</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-8</u>	<u>↑</u>	<u>1230</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-9</u>	<u>↑</u>	<u>1000</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>
<u>MW-10</u>	<u>↓</u>	<u>0925</u>	<u>X</u>			<u>X</u>			<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>X</u>

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: <u>[Signature]</u>	Date: <u>8/1/03</u>	Time: <u>1730</u>	Received by: <u>DW</u>	Date: <u>8/4/03</u>	Time: <u>1130</u>
Relinquished by: <u>[Signature]</u>	Date: <u>8/4/03</u>	Time: <u>1130</u>	Received by: <u>Bernard A. [Signature]</u>	Date: <u>8/4/03</u>	Time: <u>1155</u>
Relinquished by: <u>Bernard A. [Signature]</u>	Date: <u>8/4/03</u>	Time: <u>1300</u>	Received by: <u>Airborne</u>	Date: <u>8/4/03</u>	Time: _____
Relinquished by Commercial Carrier: <u>[Signature]</u>	Date: _____	Time: _____	Received by: <u>[Signature]</u>	Date: <u>8/5/03</u>	Time: <u>1025</u>
UPS FedEx Other: <u>Airborne</u>	Temperature Upon Receipt: <u>2.5</u> °C		Custody Seals Intact? <u>Yes</u> No		

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

RECEIVED

SEPT 10 10 51 AM '03
MEDICAL CENTER

SAMPLE GROUP

The sample group for this submittal is 861864. Samples arrived at the laboratory on Tuesday, August 05, 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-030801	NA Water	4094558
MW-1-W-030801	Grab Water	4094559
MW-2-W-030801	Grab Water	4094560
MW-3-W-030801	Grab Water	4094561
MW-4-W-030801	Grab Water	4094562
MW-5-W-030801	Grab Water	4094563
MW-6-W-030801	Grab Water	4094564
MW-8-W-030801	Grab Water	4094565
MW-9-W-030801	Grab Water	4094566
MW-10-W-030801	Grab Water	4094567

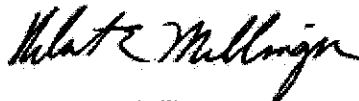
ELECTRONIC Gettler-Ryan
COPY TO
1 COPY TO Cambria C/O Gettler- Ryan

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 4094558

Collected: 08/01/2003 00:00

Account Number: 10904

Submitted: 08/05/2003 10:05

ChevronTexaco

Reported: 08/20/2003 at 11:12

6001 Bollinger Canyon Rd L4310

Discard: 09/20/2003

QA-T-030801

NA

Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland

T0600102079 QA

79-QA

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
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					
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/08/2003 02:37	Jamie A Lutz	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/14/2003 18:33	Trent S Sprenkle	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003 02:37	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 18:33	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094559

Collected: 08/01/2003 13:05 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

ChevronTexaco

Reported: 08/20/2003 at 11:12

6001 Bollinger Canyon Rd L4310

Discard: 09/20/2003

MW-1-W-030801

Grab

Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland

T0600102079 MW-1

79--1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	250,000.		5,000.	ug/l	100
	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.		2,000.	ug/l	40
02010	Methyl Tertiary Butyl Ether	1634-04-4	45.		20.	ug/l	40
05401	Benzene	71-43-2	16,000.		200.	ug/l	400
05407	Toluene	108-88-3	7,300.		200.	ug/l	400
05415	Ethylbenzene	100-41-4	3,700.		200.	ug/l	400
06310	Xylene (Total)	1330-20-7	19,000.		200.	ug/l	400

The reporting limits for the GC/MS volatile compounds 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	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/08/2003	08:32	Jamie A Lutz	100
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003	12:08	Trent S Sprenkle	40
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003	19:52	Trent S Sprenkle	400
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003	08:32	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2003	12:08	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094560

Collected: 08/01/2003 13:45 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

ChevronTexaco

Reported: 08/20/2003 at 11:12

6001 Bollinger Canyon Rd L4310

Discard: 09/20/2003

MW-2-W-030801

Grab

Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland

T0600102079 MW-2

79--2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	100.	ug/l	2
02010	Methyl Tertiary Butyl Ether	1634-04-4	140.	1.	ug/l	2
05401	Benzene	71-43-2	14.	1.	ug/l	2
05407	Toluene	108-88-3	4.	1.	ug/l	2
05415	Ethylbenzene	100-41-4	330.	1.	ug/l	2
06310	Xylene (Total)	1330-20-7	730.	1.	ug/l	2
	The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.					

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	08/08/2003 09:05	Jamie A Lutz	5
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003 13:09	Trent S Sprenkle	2
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003 09:05	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2003 13:09	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094561

Collected: 08/01/2003 14:15 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

Reported: 08/20/2003 at 11:12

Discard: 09/20/2003

MW-3-W-030801

Grab

Water

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland

T0600102079 MW-3

79--3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	7,700.	500.		ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.	130.		ug/l	2.5
02010	Methyl Tertiary Butyl Ether	1634-04-4	780.	13.		ug/l	25
05401	Benzene	71-43-2	300.	1.		ug/l	2.5
05407	Toluene	108-88-3	79.	1.		ug/l	2.5
05415	Ethylbenzene	100-41-4	410.	1.		ug/l	2.5
06310	Xylene (Total)	1330-20-7	820.	1.		ug/l	2.5
	The reporting limits for the GC/MS volatile compounds 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	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/08/2003	09:38	Jamie A Lutz	10
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003	14:14	Trent S Sprenkle	2.5
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003	14:45	Trent S Sprenkle	25
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003	09:38	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2003	14:14	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094562

Collected: 08/01/2003 11:55 by JH

Account Number: 10904

 Submitted: 08/05/2003 10:05
 Reported: 08/20/2003 at 11:12
 Discard: 09/20/2003
 MW-4-W-030801

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Grab Water

 Facility# 93322 Job# 386433 GRD
 7225 Bancroft Oakland T0600102079 MW-4

79--4

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	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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/08/2003 10:28	Jamie A Lutz	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/14/2003 19:03	Trent S Sprenkle	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003 10:28	Jamie A Lutz	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 19:03	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094563

Collected: 08/01/2003 11:20 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

Reported: 08/20/2003 at 11:12

Discard: 09/20/2003

MW-5-W-030801

Grab

Water

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland T0600102079 MW-5

79--5

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	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		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/08/2003 11:01		Martha L Seidel	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/14/2003 19:34		Trent S Sprenkle	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/08/2003 11:01		Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 19:34		Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094564

Collected: 08/01/2003 10:45 by JH

Account Number: 10904

 Submitted: 08/05/2003 10:05
 Reported: 08/20/2003 at 11:12
 Discard: 09/20/2003
 MW-6-W-030801

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 6001 Bollinger Canyon Rd L4310

Grab Water

San Ramon CA 94583

 Facility# 93322 Job# 386433 GRD
 7225 Bancroft Oakland T0600102079 MW-6

79--6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,500.	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.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	100.	ug/l	2
02010	Methyl Tertiary Butyl Ether	1634-04-4	540.	5.	ug/l	10
05401	Benzene	71-43-2	400.	1.	ug/l	2
05407	Toluene	108-88-3	3.	1.	ug/l	2
05415	Ethylbenzene	100-41-4	14.	1.	ug/l	2
06310	Xylene (Total)	1330-20-7	3.	1.	ug/l	2
	The reporting limits for the GC/MS volatile compounds 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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/06/2003 19:04	Linda C Pape	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003 15:15	Trent S Sprenkle	2
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/15/2003 15:46	Trent S Sprenkle	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2003 19:04	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/15/2003 15:15	Trent S Sprenkle	n.a.

Lancaster Laboratories Sample No. WW 4094565

Collected: 08/01/2003 12:30 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

ChevronTexaco

Reported: 08/20/2003 at 11:12

6001 Bollinger Canyon Rd L4310

Discard: 09/20/2003

MW-8-W-030801

Grab

Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland T0600102079 MW-8

79--8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	220.	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.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.8	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
05401	Benzene	71-43-2	2.	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			Dilution Factor
			Trial#	Date and Time	Analyst	
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/06/2003 19:34	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/14/2003 07:59	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2003 19:34	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 07:59	Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. WW 4094566

Collected: 08/01/2003 10:00 by JH

Account Number: 10904

 Submitted: 08/05/2003 10:05
 Reported: 08/20/2003 at 11:12
 Discard: 09/20/2003

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310

MW-9-W-030801

Grab Water

San Ramon CA 94583

 Facility# 93322 Job# 386433 GRD
 7225 Bancroft Oakland T0600102079 MW-9

79--9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
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. 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.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	22.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	0.9	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	1.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	7.	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	08/06/2003 20:05	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/14/2003 08:29	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2003 20:05	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 08:29	Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. WW 4094567

Collected: 08/01/2003 09:25 by JH

Account Number: 10904

Submitted: 08/05/2003 10:05

ChevronTexaco

Reported: 08/20/2003 at 11:12

6001 Bollinger Canyon Rd L4310

Discard: 09/20/2003

MW-10-W-030801

Grab

Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Oakland

T0600102079 MW-10

79-10

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. 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.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	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
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	08/06/2003 20:35	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/14/2003 09:00	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2003 20:35	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2003 09:00	Elizabeth M Taylor	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 08/20/03 at 11:12 AM

Group Number: 861864

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03218A16A TPH-GRO - Waters	N.D.	50.	Sample number(s): 4094564-4094567 ug/l	102	102	70-130	0	30
Batch number: 03219A51A TPH-GRO - Waters	N.D.	50.	Sample number(s): 4094558-4094563 ug/l	108	112	70-130	3	30
Batch number: P032251AA	N.D.	50.	Sample number(s): 4094565-4094567 ug/l	91		43-159		
Ethanol	N.D.	50.	ug/l	101		77-127		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		74-125		
di-Isopropyl ether	N.D.	0.5	ug/l	102		74-120		
Ethyl t-butyl ether	N.D.	0.5	ug/l	109		79-113		
t-Amyl methyl ether	N.D.	5.	ug/l	105		53-147		
t-Butyl alcohol	N.D.	0.5	ug/l	101		85-117		
Benzene	N.D.	0.5	ug/l	97		85-115		
Toluene	N.D.	0.5	ug/l	98		82-119		
Ethylbenzene	N.D.	0.5	ug/l	101		84-120		
Xylene (Total)	N.D.	0.5	ug/l					
Batch number: P032261AA	N.D.	50.	Sample number(s): 4094558, 4094562-4094563 ug/l	100		43-159		
Ethanol	N.D.	0.5	ug/l	100		77-127		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		85-117		
Benzene	N.D.	0.5	ug/l	97		85-115		
Toluene	N.D.	0.5	ug/l	98		82-119		
Ethylbenzene	N.D.	0.5	ug/l	102		84-120		
Xylene (Total)	N.D.	0.5	ug/l					
Batch number: P032261AB	N.D.	50.	Sample number(s): 4094559-4094561, 4094564 ug/l	100		43-159		
Ethanol	N.D.	0.5	ug/l	100		77-127		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		85-117		
Benzene	N.D.	0.5	ug/l	97		85-115		
Toluene	N.D.	0.5	ug/l	98		82-119		
Ethylbenzene	N.D.	0.5	ug/l	102		84-120		
Xylene (Total)	N.D.	0.5	ug/l					

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	CONC	DUP CONC	DUP RPD	Dup RPD Max
Batch number: 03218A16A TPH-GRO - Waters	118		Sample number(s): 4094564-4094567 70-130						
Batch number: 03219A51A TPH-GRO - Waters	104	113	Sample number(s): 4094558-4094563 70-130	3	30				
Batch number: P032251AA	98	101	Sample number(s): 4094565-4094567 34-163	3	30				
Ethanol	107	107	69-134	0	30				
Methyl Tertiary Butyl Ether	106	103	75-130	3	30				
di-Isopropyl ether	107	105	73-123	2	30				
Ethyl t-butyl ether	110	110	77-117	1	30				
t-Amyl methyl ether	110	111	39-155	1	30				
t-Butyl alcohol	108	108	83-128	0	30				
Benzene									

*- 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: 08/20/03 at 11:12 AM

Group Number: 861864

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD Max
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Toluene	107	105	83-127	1	30			
Ethylbenzene	108	108	82-134	0	30			
Xylene (Total)	111	110	82-130	1	30			
Batch number: P032261AA Sample number(s): 4094558,4094562-4094563								
Ethanol	102	116	34-163	13	30			
Methyl Tertiary Butyl Ether	98	106	69-134	7	30			
Benzene	106	107	83-128	1	30			
Toluene	104	105	83-127	1	30			
Ethylbenzene	106	109	82-134	3	30			
Xylene (Total)	105	109	82-130	4	30			
Batch number: P032261AB Sample number(s): 4094559-4094561,4094564								
Ethanol	102	116	34-163	13	30			
Methyl Tertiary Butyl Ether	98	106	69-134	7	30			
Benzene	106	107	83-128	1	30			
Toluene	104	105	83-127	1	30			
Ethylbenzene	106	109	82-134	3	30			
Xylene (Total)	105	109	82-130	4	30			

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 03218A16A
 Trifluorotoluene-F

4094564	125
4094565	121
4094566	121
4094567	111
Blank	112
LCS	115
LCSD	115
MS	116

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 03219A51A
 Trifluorotoluene-F

4094558	118
4094559	132
4094560	127
4094561	118
4094562	115
4094563	115
Blank	126
LCS	124
LCSD	125
MS	135
MSD	134

*- Outside of specification

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- (2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/20/03 at 11:12 AM

Group Number: 861864

Surrogate Quality Control

Limits: 57-146

Analysis Name: BTEX+5 Oxygenates+ETOH
Batch number: P032251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4094565	97	95	100	100
4094566	99	92	97	97
4094567	97	99	99	96
Blank	98	98	99	95
LCS	98	99	99	99
MS	99	92	97	97
MSD	100	96	99	99

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: P032261AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4094558	97	97	98	95
4094562	97	96	98	95
4094563	97	98	99	94
Blank	98	97	100	96
LCS	98	99	99	97
MS	97	97	98	98
MSD	100	96	99	101

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: P032261AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4094559	98	97	99	105
4094560	94	96	99	105
4094561	90	99	101	99
4094564	89	97	102	97
Blank	97	94	97	95
LCS	98	99	99	97
MS	97	97	98	98
MSD	100	96	99	101

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 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

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 ≥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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