

R274



GETTLER-RYAN INC.

TRANSMITTAL

Alameda County
APR 02 2003
Environmental Health

March 13, 2003
G-R #386433

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
2680 Bishop Drive, Suite 290
San Ramon, CA 94583

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	March 10, 2003	Groundwater Monitoring and Sampling Report First Quarter - Event of February 3, 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 **March 27, 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.

March 10, 2003
G-R Job #386433

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

RE: First Quarter Event of February 3, 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

- FOR -

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Robert C. Mallory
Registered Geologist, No. 7285

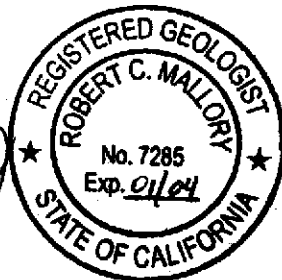


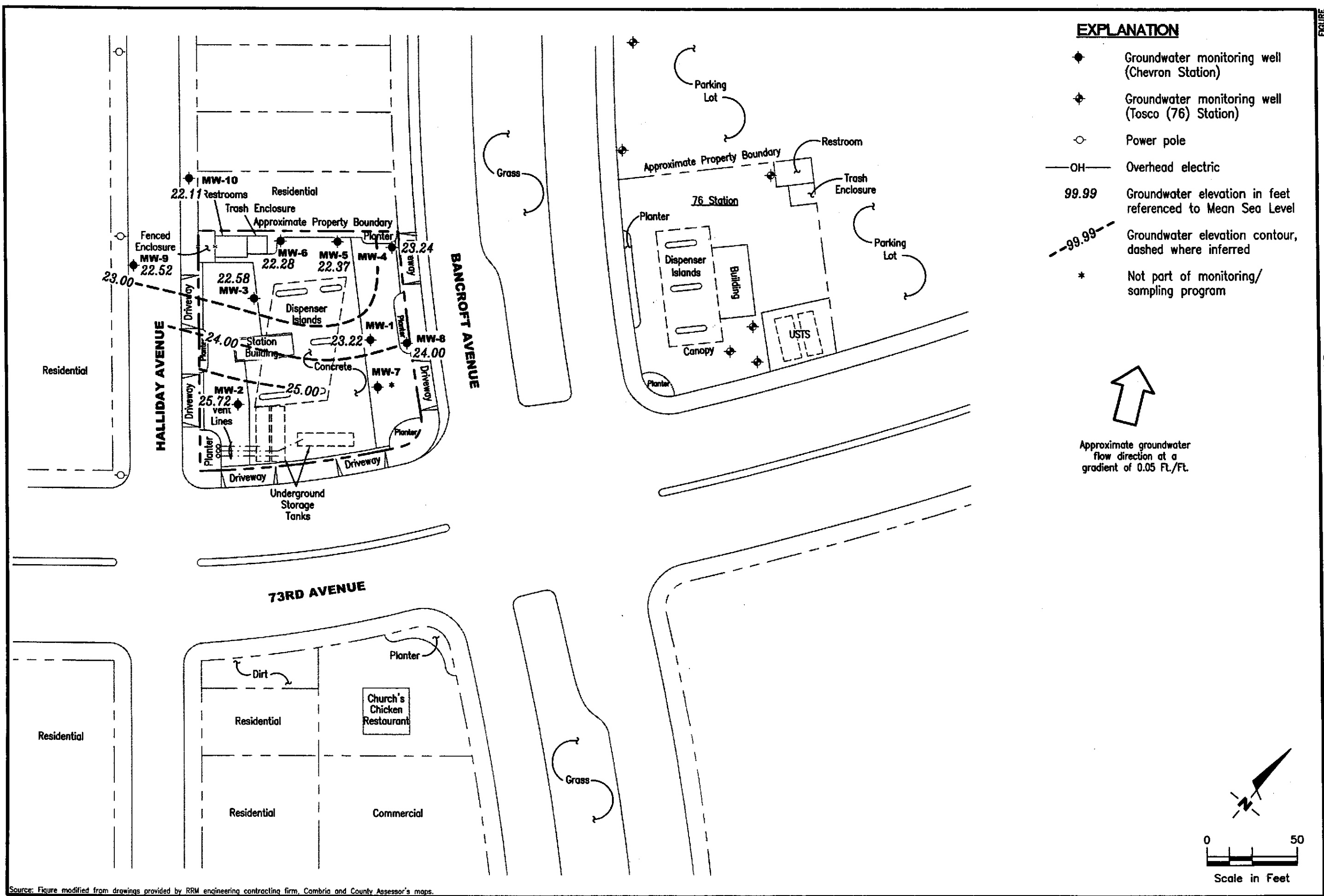
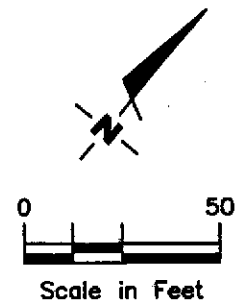
Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ◆ Groundwater monitoring well (Chevron Station)
- ◆ Groundwater monitoring well (Tosco (76) Station)
- Power pole
- OH— 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



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



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

DATE February 3, 2003
 REVISED DATE

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

Source: Figure modified from drawings provided by RRM engineering contracting firm, Cambria 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
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
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

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		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
					REMOVED (gallons)	TPH-G (ppb)					
MW-2 (cont)											
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
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
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

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3 (cont)											
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
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	<1.5	<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

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

WELL ID/ DATE	TOC* (<i>ft.</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>)
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
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
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

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)											
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
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
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
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
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
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

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)
TRIP BLANK (cont)											
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	<5.0
09/07/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/08/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
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	<0.500	<0.500	<0.500	<0.500	<2.50
02/09/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
05/11/01	--	--	--	--	--	<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
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	<0.50	<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

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	MTBE = Methyl tertiary butyl ether (ppb) = Parts per billion
GWE = Groundwater Elevation (msl) = Mean sea level	T = Toluene E = Ethylbenzene	-- = Not Measured/Not Analyzed
DTW = Depth to Water	X = Xylenes	QA = Quality Assurance/Trip Blank
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 x 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
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
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

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 Job Number: 386433
 Site Address: 7225 Bancroft Avenue Event Date: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-1
 Well Diameter: 2 in.
 Total Depth: 33.78 ft.
 Depth to Water: 14.19 ft.
19.60 x VF .17 = 3.33 x3 (case volume) = Estimated Purge Volume: 9.99 gal.

Date Monitored: 2.3.03 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

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): 1:59 Weather Conditions: SUNNY
 Sample Time/Date: 2:16 / 2.3.03 Water Color: CLEAN Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>2:01</u>	<u>3.5</u>	<u>7.36</u>	<u>870</u>	<u>18.4</u>	_____	_____
<u>2:03</u>	<u>7.0</u>	<u>7.30</u>	<u>865</u>	<u>18.3</u>	_____	_____
<u>2:06</u>	<u>10.0</u>	<u>7.22</u>	<u>882</u>	<u>17.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	<u>3</u> 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:

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: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-2 Date Monitored: 2.3.03 Well Condition: GOOD

Well Diameter: 2 in.

Total Depth: 29.78 ft.

Depth to Water: 10.00 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

19.78 xVF .17 = 3.36 x3 (case volume) = Estimated Purge Volume: 10.08 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): 12:59 Weather Conditions: SUNNY
 Sample Time/Date: 1:14 / 2.3.03 Water Color: CLEAR Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>1:01</u>	<u>3.5</u>	<u>7.89</u>	<u>332</u>	<u>19.9</u>	_____	_____
<u>1:03</u>	<u>7.0</u>	<u>7.66</u>	<u>334</u>	<u>20.0</u>	_____	_____
<u>1:06</u>	<u>10.0</u>	<u>7.55</u>	<u>344</u>	<u>20.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>2</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021) -OR-
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(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: 2-3-03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-3
 Well Diameter: 2 in.
 Total Depth: 32.81 ft.
 Depth to Water: 13.95 ft.
18.86

Date Monitored: 2-3-03 Well Condition: OK

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

xVF .17 = 3.20 x3 (case volume) = Estimated Purge Volume: 9.61 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): 1:29 Weather Conditions: SUNNY
 Sample Time/Date: 1:47 / 2-3-03 Water Color: CLEAR Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1:31</u>	<u>3.0</u>	<u>7.23</u>	<u>724</u>	<u>18.6</u>	_____	_____
<u>1:33</u>	<u>6.0</u>	<u>7.12</u>	<u>710</u>	<u>18.8</u>	_____	_____
<u>1:37</u>	<u>9.5</u>	<u>7.21</u>	<u>694</u>	<u>18.7</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-</u>	<u>_____</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: _____

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: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-4 Date Monitored: 2.3.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 30.18 ft.
 Depth to Water: 14.05 ft.
16.13 xVF .17 = 2.74 x3 (case volume) = Estimated Purge Volume: 8.22 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 Bailor _____
 Stainless Steel Bailor _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailor _____
 Pressure Bailor _____
 Discrete Bailor _____
 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): 10:50 Weather Conditions: SUNNY
 Sample Time/Date: 11:03 / 2.3.03 Water Color: CLOUDY / V. LT. TAN Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>10:52</u>	<u>2.5</u>	<u>8.34</u>	<u>422</u>	<u>18.6</u>	_____	_____
<u>10:54</u>	<u>5.0</u>	<u>7.79</u>	<u>413</u>	<u>18.4</u>	_____	_____
<u>10:56</u>	<u>8.0</u>	<u>7.72</u>	<u>414</u>	<u>18.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>4</u>	<u>3</u> 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:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
 Site Address: 7225 Bancroft Avenue Event Date: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-5 Date Monitored: 2.3.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 31.41 ft.
 Depth to Water: 15.03 ft.
16.39 xVF .17 = 2.78 x3 (case volume) = Estimated Purge Volume: 8.35 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ 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): 11:15 Weather Conditions: SYNDRY
 Sample Time/Date: 11:30 / 2.3.03 Water Color: CLEAN Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>11:17</u>	<u>2.5</u>	<u>7.46</u>	<u>621</u>	<u>17.4</u>		
<u>11:19</u>	<u>5.0</u>	<u>7.48</u>	<u>613</u>	<u>17.4</u>		
<u>11:21</u>	<u>8.0</u>	<u>7.46</u>	<u>612</u>	<u>17.2</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</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></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: _____
 Add/Replaced Lock: Add/Replaced Plug: Size: 2"



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
 Site Address: 7225 Bancroft Avenue Event Date: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-6 Date Monitored: 2.3.03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 31.25 ft.
 Depth to Water: 14.62 ft.
 Volume Factor (VF): 16.63 xVF .17 = 2.82 x3 (case volume) = Estimated Purge Volume: 8.48 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): 12:21 Weather Conditions: SUNNY
 Sample Time/Date: 12:36/2.3.03 Water Color: CLEAR Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>12:23</u>	<u>2.5</u>	<u>7.19</u>	<u>982</u>	<u>18.1</u>	_____	_____
<u>12:25</u>	<u>5.5</u>	<u>7.12</u>	<u>964</u>	<u>18.0</u>	_____	_____
<u>12:27</u>	<u>8.5</u>	<u>7.09</u>	<u>954</u>	<u>17.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8021) -OR-</u>
<u>MW-</u>	x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8021)/</u> <u>5 OXYS(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock:

Add/Replaced Plug: Size: 2"



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-3322 Job Number: 386433
 Site Address: 7225 Bancroft Avenue Event Date: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-8 Date Monitored: 2.3.03 Well Condition: GOOD
 Well Diameter: 2 in.
 Total Depth: 29.82 ft.
 Depth to Water: 13.24 ft.
16.61 xVF .17 = 2.82 x3 (case volume) = Estimated Purge Volume: 8.47 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft.
 Depth to Water: _____ ft.
 Hydrocarbon Thickness: _____ 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): 11:47 Weather Conditions: SHUNY
 Sample Time/Date: 12:03 / 2.3.03 Water Color: CLEAN Odor: YES
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>11:49</u>	<u>2.5</u>	<u>7.56</u>	<u>550</u>	<u>19.4</u>		
<u>11:51</u>	<u>5.5</u>	<u>7.52</u>	<u>557</u>	<u>19.1</u>		
<u>11:53</u>	<u>8.5</u>	<u>7.46</u>	<u>561</u>	<u>19.3</u>		

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- 8	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(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: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-9 Date Monitored: 2.3.03 Well Condition: GOOD

Well Diameter: 2 in.

Total Depth: 29.81 ft.

Depth to Water: 12.51 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

17.30 xVF .17 = 2.94 x3 (case volume) = Estimated Purge Volume: 8.82 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): 9:36 Weather Conditions: SUNNY
 Sample Time/Date: 9:46 2.3.03 Water Color: CLOUDY/TAN Odor: NO
 Purging Flow Rate: 2.0 gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>9:37</u>	<u>3.0</u>	<u>7.63</u>	<u>621</u>	<u>18.5</u>	_____	_____
<u>9:39</u>	<u>6.0</u>	<u>7.50</u>	<u>623</u>	<u>18.6</u>	_____	_____
<u>9:41</u>	<u>9.0</u>	<u>7.48</u>	<u>634</u>	<u>18.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>9</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021) -OR-
MW- <u>9</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(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: 2.3.03 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: MW-10 Date Monitored: 2.3.03 Well Condition: GOOD
 Well Diameter: 2 in.
 Total Depth: 29.82 ft.
 Depth to Water: 13.42 ft.
16.40 xVF .17 = 2.79 x3 (case volume) = Estimated Purge Volume: 8.36 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ 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): 9:58 Weather Conditions: SUNNY
 Sample Time/Date: 10:08 / 2.3.03 Water Color: CLOUDY / TAN Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: LITE SILT
 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>10:00</u>	<u>2.5</u>	<u>7.71</u>	<u>608</u>	<u>18.0</u>		
<u>10:02</u>	<u>5.0</u>	<u>7.59</u>	<u>626</u>	<u>18.2</u>		
<u>10:04</u>	<u>8.0</u>	<u>7.51</u>	<u>659</u>	<u>18.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>10</u>	<u>4</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021) -OR-
MW- <u>10</u>	<u>4</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 5 OXYS(8260)

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 3990509-18 SCR#: 840484
020503-010 BA 2/5/03

Facility #: 9-3322 Job #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, Dublin, Ca 94568
 Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: FRANK TERRONI
 Service Order #: Non SAR:

Matrix		Analyses Requested									
Total Number of Containers	Soil	Preservation Codes									
	Water	H	H	H							
2	<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	X	X	X							
3		X	X								
3		X	X								
3		X	X								
3		X	X								
3		X	X								
3		X	X								
6		X	X								
6		X	X								
6		X	X								

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 GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates (8260)	Lead 7420
QA	2-3-03				W				2	X	X				
MW-1		1416	X						3	X	X				
MW-2		1314	X						3	X	X				
MW-3		1347	X						3	X	X				
MW-4		1103	X						3	X	X				
MW-5		1130	X						3	X	X				
MW-6		1236	X						3	X	X				
MW-8		1203	X						6	X	X		X		
MW-9		0946	X						6	X	X		X		
MW-10		1008	X						6	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: <u>Frank Teroni</u>	Date: <u>2-3-03</u>	Time: <u></u>	Received by: <u>Diane</u>	Date: <u>2/5/03</u>	Time: <u>1315</u>
Relinquished by: <u>Diane</u>	Date: <u>2/5/03</u>	Time: <u>1315</u>	Received by: <u>Bernard Conway</u>	Date: <u>2/5/03</u>	Time: <u>1325</u>
Relinquished by: <u>Bernard Conway</u>	Date: <u>2/5/03</u>	Time: <u>1630</u>	Received by: <u>Airborne</u>	Date: <u>2/5/03</u>	Time: <u></u>
Relinquished by Commercial Carrier: <u>Airborne</u>	UPS FedEx Other	Temperature Upon Receipt: <u>3.2 @ 2.0 °C</u>	Received by: <u>Kathy Binkley</u>	Date: <u>2-6-03</u>	Time: <u>0930</u>
			Custody Seals Intact? Yes No	<u>(N/A)</u>	



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

STREICH

FEB 06 2003

GETTLER-KYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 840484. Samples arrived at the laboratory on Thursday, February 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-030203	NA	Water	3990509
MW-1-W-030203	Grab	Water	3990510
MW-2-W-030203	Grab	Water	3990511
MW-3-W-030203	Grab	Water	3990512
MW-4-W-030203	Grab	Water	3990513
MW-5-W-030203	Grab	Water	3990514
MW-6-W-030203	Grab	Water	3990515
MW-8-W-030203	Grab	Water	3990516
MW-9-W-030203	Grab	Water	3990517
MW-10-W-030203	Grab	Water	3990518

1 COPY TO

Cambria C/O Gettler- Ryan

Attn: Deanna L. Harding



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



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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Victoria M. Martell".

Victoria M. Martell
Chemist



Lancaster Laboratories Sample No. WW 3990509

Collected: 02/03/2003 00:00

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

QA-T-030203 NA Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	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	02/06/2003 23:14	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	02/06/2003 23:14	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/06/2003 23:14	Martha L Seidel	n.a.



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

Analysis Report



Lancaster Laboratories Sample No. WW 3990510

Collected: 02/03/2003 14:16 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-1-W-030203 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.	100,000.	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	13,000.	25.	ug/l	50
02164	Toluene	108-88-3	8,900.	25.	ug/l	50
02166	Ethylbenzene	100-41-4	3,000.	25.	ug/l	50
02171	Total Xylenes	1330-20-7	15,000.	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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 06:02	Martha L Seidel	50
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 06:02	Martha L Seidel	50
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 06:02	Martha L Seidel	n.a.



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



Lancaster Laboratories Sample No. WW 3990510

Collected: 02/03/2003 14:16 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-1-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-1





Lancaster Laboratories Sample No. **WW 3990511**

Collected: 02/03/2003 13:14 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-2-W-030203 Grab Water

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.	7,200.	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	6.2	0.50	ug/l	1
02164	Toluene	108-88-3	2.7	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	140.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	430.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	50.	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	02/07/2003 07:19	Linda C Pape	5
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 02:01	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 02:01	Linda C Pape	n.a.





Lancaster Laboratories Sample No. WW 3990512

Collected: 02/03/2003 13:47 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-3-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-3

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.	19,000.	500.	ug/l	10
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
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	1,100.	5.0	ug/l	10
02164	Toluene	108-88-3	240.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	920.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,900.	15.	ug/l	10
02172	Methyl tert-Butyl Ether	1634-04-4	1,100.	25.	ug/l	10
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	02/07/2003 06:46	Linda C Pape	10
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 06:46	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 06:46	Linda C Pape	n.a.



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



Lancaster Laboratories Sample No. **WW 3990513**

Collected: 02/03/2003 11:03 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:10

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-4-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-4

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.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	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	02/07/2003 02:34	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 02:34	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 02:34	Martha L Seidel	n.a.





Lancaster Laboratories Sample No. WW 3990514

Collected: 02/03/2003 11:30 by FT Account Number: 10904

Submitted: 02/06/2003 09:30 ChevronTexaco
 Reported: 02/24/2003 at 13:10 6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003
 MW-5-W-030203 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.	0.50	ug/l	1
02164	Toluene	108-88-3	0.60	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	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	02/07/2003 03:07	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 03:07	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 03:07	Martha L Seidel	n.a.



Lancaster Laboratories Sample No. WW 3990515

Collected: 02/03/2003 12:36 by FT Account Number: 10904

Submitted: 02/06/2003 09:30 ChevronTexaco
 Reported: 02/24/2003 at 13:11 6001 Bollinger Canyon Rd L4310
 Discard: 03/27/2003

MW-6-W-030203 Grab Water San Ramon CA 94583
 Facility# 93322 Job# 386433 GRD
 7225 Bancroft Ave-Oakland T0600102079 MW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	630.	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	160.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	5.0	ug/l	1
02166	Ethylbenzene	100-41-4	9.2	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	2.7	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	260.	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.

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	02/07/2003 03:41	Martha L Seidel	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 03:41	Martha L Seidel	1



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Lancaster Laboratories Sample No. WW 3990515

Collected: 02/03/2003 12:36 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-6-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-6

01146 GC VOA Water Prep

SW-846 5030B

1 02/07/2003 03:41 Martha L Seidel

n.a.





Lancaster Laboratories Sample No. WW 3990516

Collected: 02/03/2003 12:03 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-8-W-030203

Grab

Water

San Ramon CA 94583

Facility# 93322

Job# 386433

GRD

7225 Bancroft Ave-Oakland T0600102079 MW-8

BAO-8

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.	230.	50.	ug/l	1
<p>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.</p> <p>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.</p>						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	3.7	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	0.54	0.50	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.	10.	ug/l	1
<p>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.</p>						
<p>Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent.</p>						
<p>MTBE</p>						
01595	Oxygenates by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.6	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



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Lancaster Laboratories Sample No. WW 3990516

Collected: 02/03/2003 12:03 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-8-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-8

BAO-8

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	02/07/2003 13:23	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 13:23	Linda C Pape	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/09/2003 15:38	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 13:23	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/09/2003 15:38	John B Kiser	n.a.



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Lancaster Laboratories Sample No. **WW 3990517**

Collected: 02/03/2003 09:46 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-9-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-9

BAO-9

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	1.9	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	17.	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	16.	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
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Lancaster Laboratories Sample No. WW 3990517

Collected: 02/03/2003 09:46 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-9-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-9

BAO-9

01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	02/07/2003 13:56	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 13:56	Linda C Pape	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/09/2003 16:05	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 13:56	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/09/2003 16:05	John B Kiser	n.a.



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Lancaster Laboratories Sample No. WW 3990518

Collected: 02/03/2003 10:08 by FT Account Number: 10904

Submitted: 02/06/2003 09:30 ChevronTexaco
 Reported: 02/24/2003 at 13:11 6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003
 MW-10-W-030203 Grab Water San Ramon CA 94583
 Facility# 93322 Job# 386433 GRD
 7225 Bancroft Ave-Oakland T0600102079 MW-10

BAO10

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.	0.50	ug/l	1
02164	Toluene	108-88-3	N.D.	0.50	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	2.8	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	3.	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
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Lancaster Laboratories Sample No. WW 3990518

Collected: 02/03/2003 10:08 by FT

Account Number: 10904

Submitted: 02/06/2003 09:30

ChevronTexaco

Reported: 02/24/2003 at 13:11

6001 Bollinger Canyon Rd L4310

Discard: 03/27/2003

MW-10-W-030203 Grab Water

San Ramon CA 94583

Facility# 93322 Job# 386433 GRD

7225 Bancroft Ave-Oakland T0600102079 MW-10

BAO10

01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	02/07/2003 14:28	Linda C Pape	1
		Method				
02159	BTEX, MTBE	SW-846 8021B	1	02/07/2003 14:28	Linda C Pape	1
01595	Oxygenates by 8260B	SW-846 8260B	1	02/09/2003 16:31	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/07/2003 14:28	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/09/2003 16:31	John B Kiser	n.a.



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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 840484

Reported: 02/24/03 at 01:11 PM

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 03036A53B Sample number(s): 3990509-3990515								
TPH-GRO - Waters	N.D.	50.	ug/l	101	102	70-130	0	30
Benzene	N.D.	.5	ug/l	96	98	80-118	2	30
Toluene	N.D.	.5	ug/l	103	105	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	94	98	81-119	4	30
Total Xylenes	N.D.	1.5	ug/l	95	99	82-120	4	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	89	92	79-127	3	30
Batch number: 03037A51A Sample number(s): 3990516-3990518								
TPH-GRO - Waters	N.D.	50.	ug/l	100	109	70-130	9	30
Benzene	N.D.	.5	ug/l	95	97	80-118	2	30
Toluene	N.D.	.5	ug/l	94	95	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	92	93	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	95	95	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	91	90	79-127	1	30
Batch number: N030401AA Sample number(s): 3990516-3990518								
Methyl Tertiary Butyl Ether	N.D.	.5	ug/l	105		77-127		
di-Isopropyl ether	N.D.	.5	ug/l	105		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	105		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	103		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	109		53-147		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>BKG MAX</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03036A53B Sample number(s): 3990509-3990515								
TPH-GRO - Waters	110		70-130					
Benzene	99		67-136					
Toluene	106		78-129					
Ethylbenzene	98		75-133					
Total Xylenes	98		86-132					
Methyl tert-Butyl Ether	90		66-136					
Batch number: 03037A51A Sample number(s): 3990516-3990518								
TPH-GRO - Waters	88		70-130					
Benzene	92		67-136					
Toluene	89		78-129					
Ethylbenzene	86		75-133					

*- 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: 02/24/03 at 01:11 PM

Group Number: 840484

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Total Xylenes	87		86-132					
Methyl tert-Butyl Ether	84		66-136					
Batch number: N030401AA		Sample number(s): 3990516-3990518						
Methyl Tertiary Butyl Ether	103	108	69-134	5	30			
di-Isopropyl ether	105	108	75-130	3	30			
Ethyl t-butyl ether	103	109	73-123	5	30			
t-Amyl methyl ether	100	104	77-117	4	30			
t-Butyl alcohol	101	107	39-155	6	30			

Surrogate Quality Control

Analysis Name: BTEX, MTBE
 Batch number: 03036A53B

	Trifluorotoluene-F	Trifluorotoluene-P
3990509	98	101
3990510	98	98
3990511	107	110
3990512	102	103
3990513	102	94
3990514	103	101
3990515	97	94
Blank	98	100
LCS	99	105
LCSD	100	95
MS	100	100
Limits:	57-146	66-136

Analysis Name: BTEX, MTBE
 Batch number: 03037A51A

	Trifluorotoluene-F	Trifluorotoluene-P
3990516	102	99
3990517	96	93
3990518	94	92
Blank	97	90
LCS	97	91
LCSD	99	92
MS	97	92

*- 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: 02/24/03 at 01:11 PM

Group Number: 840484

Surrogate Quality Control

Limits:		57-146	66-136		
Analysis Name: Oxygenates by 8260B					
Batch number: N030401AA					
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene	
3990516	99	99	101	100	
3990517	98	101	101	99	
3990518	99	100	100	98	
Blank	100	101	101	99	
LCS	100	100	102	101	
MS	99	103	101	99	
MSD	100	99	102	100	
Limits:		86-118	80-120	88-110	86-115

*- Outside of specification

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



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