



GETTLER-RYAN INC.

TRANSMITTAL

January 17, 2003

G-R #385145

✓ 20464 AG

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
#9-1851
451 Hegenberger Road
Oakland, California

Alameda County
FEB 06 2003
Environmental Health

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 16, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 13, 2002

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **February 3, 2003**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway,
Suite 250, Alameda, CA 94502-6577
Mr. Ben Shimek, 451 Hegenberger Road, Oakland, CA 94621

Enclosures

trans/9-1851-ks



GETTLER-RYAN INC.

January 16, 2003
G-R Job #385145

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

RE: Fourth Quarter Event of December 13, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

Dear Ms. Streich:

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

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

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

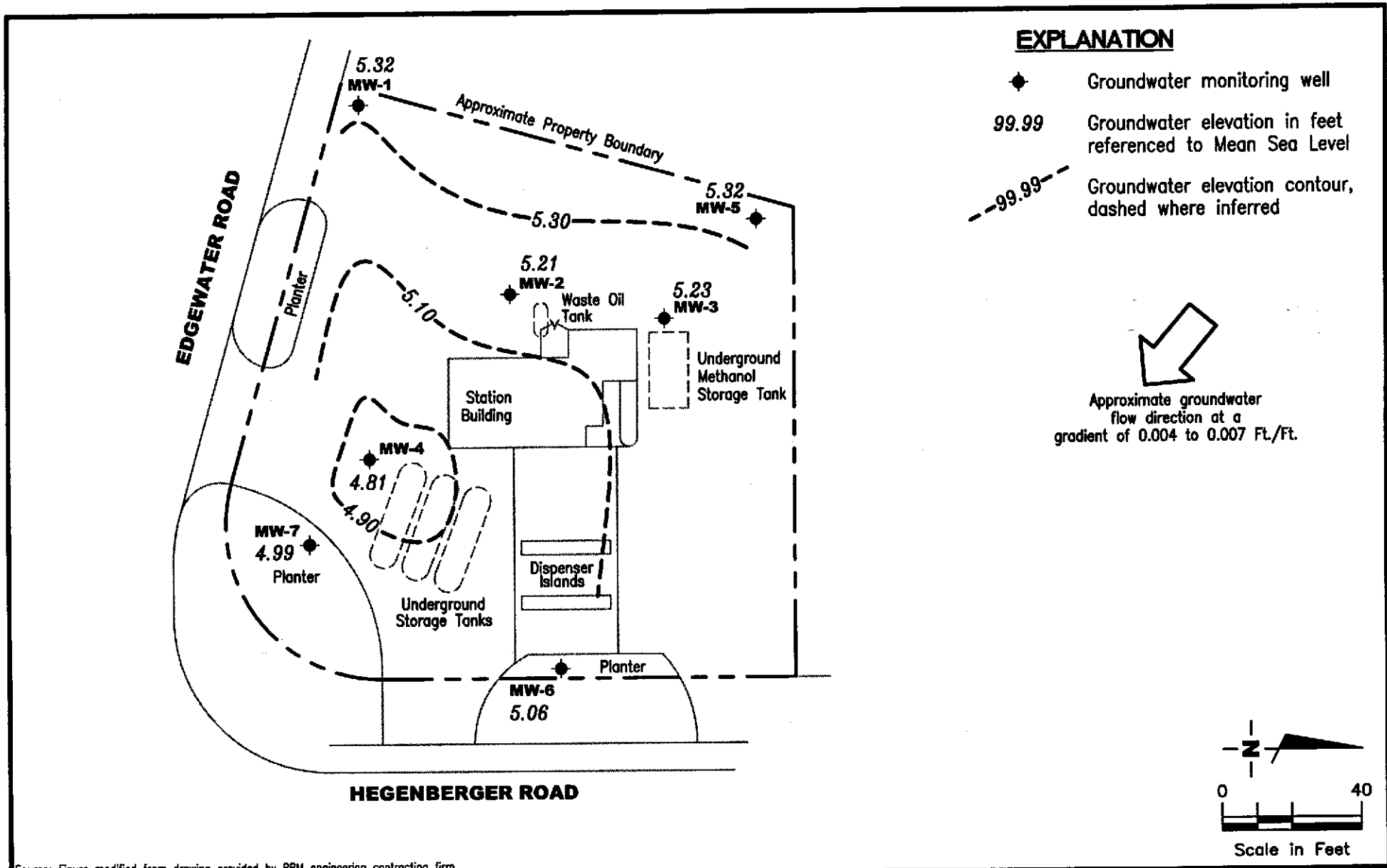
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734



Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Table 3: Groundwater Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

POTENTIOMETRIC MAP
 Chevron Service Station #9-1851
 451 Hegenberger Road
 Oakland, California

FIGURE

1

PROJECT NUMBER
 385145

REVIEWED BY

DATE
 December 13, 2002

REVISED DATE

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

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

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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2										
10/17/95 ³	3.51	-1.82	5.33	1,600 ⁴	170	3.5	<0.5	1.0	6.1	--
03/29/96	3.51	-0.44	3.95	3,000 ⁴	89	4.7	<0.5	0.64	0.74	21
06/26/96	3.51	-1.09	4.60	2,000 ⁴	80	8.7	<0.5	1.2	1.3	31
09/25/96	3.51	INACCESSIBLE	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	2,400 ⁴	110	<0.5	<0.5	0.75	2.1	27
03/20/97	3.51	-1.32	4.83	3,400 ⁴	140	8.2	<2.0	<2.0	<2.0	58
06/20/97	3.51	-1.53	5.04	1,600 ⁴	62	7.7	<0.5	<0.5	<0.5	38
09/09/97	3.51	-1.47	4.98	82 ⁴	190	9.4	<0.5	<0.5	0.86	48
12/12/97	3.51	-0.40	3.91	8,500 ⁴	180	1.8	<0.5	<0.5	3.2	34
02/19/98	3.51	0.55	2.96	3,800 ⁴	<100	1.8	<1.0	<1.0	<1.0	230
06/23/98	3.51	-0.54	4.05	--	60	<0.5	<0.5	<0.5	<0.5	55
08/31/98	3.51	-0.80	4.31	--	61	2.2	<0.5	<0.5	1.1	53
12/29/98	3.51	-1.12	4.63	--	54	1.3	<0.5	<0.5	0.752	38.1
03/11/99	3.51	-0.01	3.52	--	648	2.9	<2.0	<2.0	<2.0	73.2
06/24/99	3.51	-0.49	4.00	--	264	.58	<0.5	1.01	<0.5	44.1
09/29/99	3.51	-0.93	4.44	--	54.3	.66	<0.5	<0.5	<0.5	35.7
12/08/99	3.51	-1.38	4.89	--	<50	1.27	<0.5	<0.5	<0.5	56.9
03/01/00	3.51	0.48	3.03	--	68	1.57	<0.5	<0.5	<0.5	110
06/19/00	3.51	-0.66	4.17	--	58 ¹	1.5	<0.50	<0.50	<0.50	90/59 ²
09/30/00	3.51	-1.15	4.66	--	<50	<0.50	0.82	<0.50	1.1	48/50 ²
10/05/00 ^{8,9}	3.51	-1.20	4.71	4,000 ⁷	--	--	--	--	--	--
12/08/00	9.52	4.55	4.97	--	<50.0	<0.500	<0.500	<0.500	<0.500	61.8
03/03/01 ¹¹	9.52	6.25	3.27	--	310 ¹²	0.60	<0.50	<0.50	1.3	97
06/19/01	9.52	5.47	4.05	--	<50	<0.50	<0.50	<0.50	<0.50	30
09/05/01	9.52	4.98	4.54	--	<50	<0.50	1.2	<0.50	<1.5	46
12/10/01	9.52	6.07	3.45	--	<50	<0.50	<0.50	<0.50	<1.5	22
03/04/02	9.52	5.58	3.94	--	<50	<0.50	<0.50	<0.50	<1.5	61
06/03/02	9.52	5.44	4.08	--	<50	<0.50	<0.50	<0.50	<1.5	71
09/14/02	9.52	4.87	4.65	--	<50	<0.50	<0.50	<0.50	<1.5	77
12/13/02	9.52	5.21	4.31	--	53	<0.50	<0.50	<0.50	<1.5	44

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Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3										
10/17/95 ⁵	3.08	-1.34	4.42	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	3.08	0.08	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/26/96	3.08	-0.52	3.60	--	<50	<0.5	<0.5	<0.5	<0.5	47
09/25/96	3.08	-1.06	4.14	--	<125	<1.2	<1.2	<1.2	<1.2	570
12/17/96	3.08	-0.12	3.20	--	<500	<5.0	<5.0	<5.0	<5.0	680
03/20/97	3.08	-0.22	3.30	--	<50	<5.7	<5.7	<5.7	<5.7	430
06/20/97	3.08	-0.78	3.86	--	<500	<5.0	<5.0	<5.0	<5.0	1,400
09/09/97	3.08	-1.11	4.19	--	76 ⁴	22	<0.5	<0.5	<0.5	920
12/12/97	3.08	0.12	2.96	--	52	15	<0.5	<0.5	<0.5	710
02/19/98	3.08	0.86	2.22	--	<50	6.6	<0.5	<0.5	<0.5	380
06/23/98	3.08	-0.17	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	390
08/31/98	3.08	-0.78	3.86	--	<50	19	<0.5	<0.5	<0.5	830
12/29/98	3.08	-0.45	3.53	--	<250	<2.5	<2.5	<2.5	<2.5	416
03/11/99	3.08	-0.27	3.35	--	<50	<0.5	<0.5	<0.5	<0.5	262
06/24/99	3.08	-0.53	3.61	--	<50	12.8	<0.5	<0.5	<0.5	620
09/29/99	3.08	-0.87	3.95	--	<50	<0.5	<0.5	<0.5	<0.5	2,840
12/08/99	3.08	-0.46	3.54	--	73.4	<0.5	<0.5	<0.5	<0.5	1,620
03/01/00	3.08	0.65	2.43	--	<200	<2.0	<2.0	<2.0	<2.0	1,880
06/19/00	3.08	-0.30	3.38	--	<250	20	<2.5	<2.5	<2.5	1,200/920 ²
09/30/00	3.08	-0.92	4.00	--	<250	<2.5	<2.5	<2.5	<2.5	730/2,100 ²
10/05/00	3.08	-0.94	4.02	--	--	--	--	--	--	--
12/08/00	9.08	5.38	3.70	--	<50.0	<0.500	<0.500	<0.500	<0.500	1,620
03/03/01 ¹¹	9.08	6.84	2.24	--	<50	<0.50	<0.50	<0.50	<0.50	1,000
06/19/01	9.08	5.37	3.71	--	<120	4.8	<1.2	<1.2	<1.2	510
09/05/01	9.08	5.04	4.04	--	130	<0.50	<0.50	<0.50	<1.5	1,400
12/10/01	9.08	6.54	2.54	--	130	<0.50	<0.50	<0.50	<1.5	1,000
03/04/02	9.08	6.24	2.84	--	120	<0.50	<0.50	<0.50	<1.5	720
06/03/02	9.08	5.80	3.28	--	130	<0.50	<0.50	<0.50	<1.5	710
09/14/02	9.08	4.93	4.15	--	590	<20	<1.0	<1.0	<3.0	2,600
12/13/02	9.08	5.23	3.85	--	430	<0.50	<0.50	<0.50	<1.5	2,000

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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4										
10/17/95	3.48	-1.60	5.08	--	<125	<1.2	<1.2	<1.2	<1.2	--
03/29/96	3.48	-1.13	4.61	--	<1,000	<10	<10	<10	<10	6,700
06/26/96	3.48	-0.82	4.30	--	<2,000	<20	<20	<20	<20	7,200
09/25/96	3.48	-1.85	5.33	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	3.48	0.67	2.81	--	<2,000	120	<20	<20	<20	11,000
03/20/97	3.48	-1.02	4.50	--	250 ^d	<2.0	<2.0	<2.0	<2.0	10,000/8,600 ⁶
06/20/97	3.48	-2.20	5.68	--	<2,500	<25	<25	<25	<25	9,300
09/09/97	3.48	-2.02	5.50	--	460 ^d	<0.5	<0.5	<0.5	<0.5	6,600
12/12/97	3.48	-1.55	5.03	--	430 ^d	120	<2.5	<2.5	<2.5	7,800
02/19/98	3.48	0.13	3.35	--	510 ^d	130	<0.5	<0.5	<0.5	6,600
06/23/98	3.48	-1.50	4.98	--	550 ^d	<0.5	<0.5	<0.5	<0.5	6,800
08/31/98	3.48	-1.94	5.42	--	<500	450	<5.0	<5.0	<5.0	14,000
12/29/98	3.48	-1.58	5.06	--	<5,000	<50	<50	<50	<50	16,100
03/11/99	3.48	-0.30	3.78	--	979	<5.0	<5.0	<5.0	<5.0	15,100
06/24/99	3.48	-0.83	4.31	--	<2,500	715	<25	<25	<25	12,400
09/29/99	3.48	-2.10	5.58	--	1,380	<5.0	<5.0	<5.0	<5.0	11,700
12/08/99	3.48	-1.85	5.33	--	318	<0.5	<0.5	<0.5	<0.5	11,100
03/01/00	3.48	-1.72	5.20	--	<50	<0.5	<0.5	<0.5	<0.5	9,940
06/19/00	3.48	-1.88	5.36	--	<1,000	220	<10	<10	<10	7,300/9,500 ²
09/30/00	3.48	-0.29	3.77	--	740 ¹	<2.5	<2.5	<2.5	<2.5	6,000/7,800 ²
10/05/00	3.48	-0.38	3.86	--	--	--	--	--	--	--
12/08/00	9.48	5.03	4.45	--	<50.0	<0.500	<0.500	<0.500	<0.500	6,230
03/03/01 ¹¹	9.48	5.65	3.83	--	<250	<2.5	<2.5	<2.5	<2.5	3,600
06/19/01	9.48	6.11	3.37	--	<500	140	<5.0	<5.0	<5.0	2,500
09/05/01	9.48	5.52	3.96	--	400	<0.50	<0.50	<0.50	<1.5	2,800
12/10/01	9.48	4.43	5.05	--	700	<0.50	<0.50	<0.50	<1.5	3,400
03/04/02	9.48	5.81	3.67	--	660	<0.50	<0.50	<0.50	<1.5	2,900
06/03/02	9.48	4.24	5.24	--	610	<0.50	<0.50	<0.50	<1.5	3,000
09/14/02	9.48	4.26	5.22	--	490	<10	<1.0	<1.0	<3.0	2,400
12/13/02	9.48	4.81	4.67	--	440	<0.50	<0.50	<0.50	<1.5	2,200

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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5										
10/23/00 ¹⁰	8.77	4.18	4.59	--	<50	<0.500	<0.500	<0.500	<0.500	4.34
12/08/00	8.77	5.34	3.43	--	<50.0	<0.500	<0.500	<0.500	<0.500	11.0
03/03/01 ¹¹	8.77	6.37	2.40	--	<50	<0.50	<0.50	<0.50	<0.50	24
06/19/01	8.77	INACCESSIBLE - CAR PARKED OVER WELL			--	--	--	--	--	--
09/05/01	8.77	5.02	3.75	--	<50	<0.50	<0.50	<0.50	<1.5	31
12/10/01	8.77	5.98	2.79	--	<50	<0.50	<0.50	<0.50	<1.5	45
03/04/02	8.77	6.25	2.52	--	<50	<0.50	<0.50	<0.50	<1.5	29
06/03/02	8.77	5.57	3.20	--	<50	<0.50	<0.50	<0.50	<1.5	40
09/14/02	8.77	4.92	3.85	--	<50	<0.50	<0.50	<0.50	<1.5	92
12/13/02	8.77	5.32	3.45	--	<50	<0.50	<0.50	<0.50	<1.5	32
MW-6										
10/23/00 ¹⁰	11.45	4.30	7.15	--	<50	<0.500	<0.500	<0.500	<0.500	5.96
12/08/00	11.45	4.61	6.84	--	<50.0	<0.500	<0.500	<0.500	<0.500	8.80
03/03/01 ¹¹	11.45	5.32	6.13	--	<50	<0.50	<0.50	<0.50	<0.50	9.0
06/19/01	11.45	5.65	5.80	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	11.45	6.29	5.16	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/10/01	11.45	6.64	4.81	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	11.45	7.29	4.16	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	11.45	5.74	5.71	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	11.45	4.80	6.65	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	11.45	5.06	6.39	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-7										
10/23/00 ¹⁰	10.58	4.33	6.25	--	<50	<0.500	<0.500	<0.500	<0.500	1,210
12/08/00	10.58	3.35	7.23	--	<50.0	<0.500	<0.500	<0.500	<0.500	338
03/03/01 ¹¹	10.58	4.31	6.27	--	72 ¹²	<0.50	<0.50	<0.50	<0.50	460
06/19/01	10.58	4.76	5.82	--	110 ¹	18	<0.50	<0.50	<0.50	440
09/05/01	10.58	4.04	6.54	--	180	<0.50	<0.50	<0.50	<1.5	640

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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7 (cont)										
12/10/01	10.58	5.04	5.54	--	110	<0.50	<0.50	<0.50	<1.5	390
03/04/02	10.58	3.68	6.90	--	220	1.1	<0.50	3.0	<1.5	460
06/03/02	10.58	4.94	5.64	--	130	<0.50	<0.50	<0.50	<1.5	350
09/14/02	10.58	3.55	7.03	--	120	<2.0	<0.50	<0.50	<1.5	340
12/13/02	10.58	4.99	5.59	--	57	<0.50	<0.50	<0.50	<1.5	150
TRIP BLANK										
10/17/95	--	--	--	--	--	--	--	--	--	--
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/25/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--
09/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/24/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/05/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
03/03/01 ¹¹	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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

WELL ID/ DATE	TOC* (<i>ft.</i>)	GWE (<i>mst</i>)	DTW (<i>ft.</i>)	TPH-D (<i>ppb</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>)
TRIP BLANK (cont)										
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA										
12/10/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

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

EXPLANATIONS:

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

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

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

- 1 Laboratory report indicates gasoline C6-C12.
- 2 MTBE by EPA Method 8260.
- 3 Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.
- 4 Chromatogram pattern indicates an unidentified hydrocarbon.
- 5 Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.
- 6 Confirmation run.
- 7 Laboratory report indicates unidentified hydrocarbons >C16.
- 8 Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less then the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024ppm.
- 9 Laboratory report indicates that Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 were all less then the reporting limit except for Bis(2-ethylhexyl)phthalate was detected at 14 ppb, which may be a possible contamination.
- 10 Data was provided by Delta Environmental Consultants, Inc.
- 11 Laboratory report indicates sample was analyzed outside the EPA recommended holding time.
- 12 Laboratory report indicates unidentified hydrocarbons C6-C12.

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

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1						
06/23/98	<50,000	<10,000	4,500	<200	<200	<200
08/31/98	--	--	17,000	--	--	--
03/11/99	--	--	54.1	--	--	--
06/24/99	<10,000	<2,000	1,800	<20	<20	258
06/19/00	<500	<100	91	<2.0	<2.0	11
09/30/00	--	--	530	--	--	--
MW-2						
06/23/98	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	101	--	--	--
06/24/99	<1,000	<200	52.5	<2.0	<2.0	<2.0
06/19/00	<500	<100	59	<2.0	<2.0	4.0
09/30/00	--	--	50	--	--	--
MW-3						
06/23/98	<5,000	<1,000	420	<20	<20	26
03/11/99	--	--	580	--	--	--
06/24/99	<6,670	<1,330	900	<13.3	<13.3	<13.3
06/19/00	570	<100	920	<2.0	<2.0	65
09/30/00	--	--	2,100	--	--	--
MW-4						
06/23/98	<50,000	<10,000	11,000	<200	<200	860
03/11/99	--	--	17,600	--	--	--
06/24/99	<125,000	<25,000	17,000	<250	<250	2600
06/19/00	<25,000	<5,000	9,500	<100	<100	1,100
09/30/00	--	--	7,800	--	--	--

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

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-5 10/23/00	<1,000	<100	4.34	<2.00	<2.00	<2.00
MW-6 10/23/00	<1,000	<100	5.96	<2.00	<2.00	<2.00
MW-7 10/23/00	<6,670	<667	1,210	13.3	13.3	199
TRIP BLANK 03/11/99	--	--	<2.0	--	--	--

EXPLANATIONS:

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

- TBA = Tertiary butyl alcohol
- MTBE = Methyl tertiary butyl ether
- DIPE = Di-isopropyl ether
- ETBE = Ethyl tertiary butyl ether
- TAME = Tertiary amyl methyl ether
- (ppb) = Parts per billion
- = Not Analyzed

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

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

EXPLANATIONS:

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

TOG = Total Oil and Grease

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

(ppb) = Parts per billion

-- = Not Analyzed

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, 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 #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-1 Date Monitored: 12-13-02 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 14.40 ft.
 Depth to Water: 3.29 ft.
11.11

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 0.17 = 1.88 x3 (case volume) = Estimated Purge Volume: 5.66 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): 1517 Weather Conditions: Rainy
 Sample Time/Date: 1536 12-13-02 Water Color: 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 (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1518</u>	<u>2.0</u>	<u>7.40</u>	<u>4.02</u>	<u>19.2</u>	_____	_____
<u>1519</u>	<u>4.0</u>	<u>6.90</u>	<u>3.68</u>	<u>18.5</u>	_____	_____
<u>1521</u>	<u>5.75</u>	<u>6.93</u>	<u>2.46</u>	<u>17.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K Kelly

Well ID: MW- 2 Date Monitored: 12-13-02 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 14.71 ft.
 Depth to Water: 4.31 ft.
10.40 xVF 0.17 = 1.76 x3 (case volume) = Estimated Purge Volume: 530 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1418 Weather Conditions: Rainy
 Sample Time/Date: 1434 12-13-02 Water Color: Clear Odor: yes
 Purging Flow Rate: 1.75 gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1420</u>	<u>1.75</u>	<u>6.78</u>	<u>12.06</u>	<u>21.3</u>		
<u>1421</u>	<u>3.5</u>	<u>6.83</u>	<u>10.34</u>	<u>19.9</u>		
<u>1422</u>	<u>5.25</u>	<u>6.93</u>	<u>9.18</u>	<u>20.7</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-3 Date Monitored: 12-13-02 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 14.49 ft.

Depth to Water: 3.85 ft.

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

10.04 xVF 0.17 = 1.80 x3 (case volume) = Estimated Purge Volume: 5.42 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): 1407 Weather Conditions: Partly
 Sample Time/Date: 1628 12-13-02 Water Color: cloudy Odor: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1609</u>	<u>1.75</u>	<u>7.84</u>	<u>3.56</u>	<u>19.0</u>	_____	_____
<u>1613</u>	<u>3.5</u>	<u>6.96</u>	<u>4.13</u>	<u>19.1</u>	_____	_____
<u>1616</u>	<u>5.5</u>	<u>6.97</u>	<u>4.24</u>	<u>19.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: Installed 2 Bails.

Add/Replaced Lock:

Add/Replaced Plug: Size: 2in.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-4 Date Monitored: 12-13-02 Well Condition: NA

Well Diameter: 2 in.

Total Depth: 1486 ft.

Depth to Water: 4.67 ft.

10.19 xVF 0.17 = 1.73 x3 (case volume) = Estimated Purge Volume: 5.19 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): 1049 Weather Conditions: Rainy
 Sample Time/Date: 1703 12-13-02 Water Color: clear yellow tint or: yes
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1652</u>	<u>1.75</u>	<u>7.18</u>	<u>1858</u>	<u>20.5</u>		
<u>1654</u>	<u>3.5</u>	<u>6.97</u>	<u>3.76</u>	<u>21.5</u>		
<u>1657</u>	<u>5.25</u>	<u>7.04</u>	<u>6.07</u>	<u>21.3</u>		

LABORATORY INFORMATION

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

COMMENTS:

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-5 Date Monitored: 12-13-02 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 9.80 ft.

Depth to Water: 3.45 ft.

6.35

xVF 0.17 = 1.07 x3 (case volume) = Estimated Purge Volume: 3.23 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): 1448 Weather Conditions: Rainy
 Sample Time/Date: 1507-12-13-02 Water Color: Clear Odor: YES
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1450</u>	<u>1.0</u>	<u>6.78</u>	<u>7.31</u>	<u>19.1</u>		
<u>1451</u>	<u>2.0</u>	<u>7.00</u>	<u>9.60</u>	<u>20.6</u>		
<u>1454</u>	<u>3.25</u>	<u>6.94</u>	<u>9.87</u>	<u>21.1</u>		

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: K. Kelly

Well ID: MW-6 Date Monitored: 12-13-02 Well Condition: HC

Well Diameter: 2 in.

Total Depth: 9.78 ft.

Depth to Water: 6.59 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

3.39 xVF 0.17 = .57 x3 (case volume) = Estimated Purge Volume: 1.72 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): 1130 Weather Conditions: Rainy
 Sample Time/Date: 1155 12-13-02 Water Color: Clear Odor: YPS
 Purging Flow Rate: - gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1152</u>	<u>1.50</u>	<u>7.13</u>	<u>2.77</u>	<u>16.0</u>		
<u>1133</u>	<u>1.0</u>	<u>7.04</u>	<u>3.88</u>	<u>17.5</u>		
<u>1134</u>	<u>1.75</u>	<u>6.83</u>	<u>3.55</u>	<u>17.4</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)/BTEX+MTBE(8021)</u>

COMMENTS:

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-1851 Job Number: 385145
 Site Address: 451 Hegenberger Road Event Date: 12-13-02 (inclusive)
 City: Oakland, CA Sampler: R. Kelly

Well ID: MW-7 Date Monitored: 12-13-02 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 13.06 ft.
 Depth to Water: 5.59 ft.
7.47

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 0.17 = 1.26 x3 (case volume) = Estimated Purge Volume: 378 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): 1543 Weather Conditions: Rainy
 Sample Time/Date: 1554 12-13-02 Water Color: _____ Odor: YES
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1545</u>	<u>1.25</u>	<u>7.14</u>	<u>929</u>	<u>18.3</u>	_____	_____
<u>1548</u>	<u>2.5</u>	<u>6.85</u>	<u>909</u>	<u>18.8</u>	_____	_____
<u>1549</u>	<u>3.75</u>	<u>6.89</u>	<u>974</u>	<u>18.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10905 Sample #: 3963061-68 SCR#: 834925

121602 -005

Facility #: 9-1851 Job #385145 Global ID#T0600102238
 Site Address: 451 HEGENBERGER RD., OAKLAND, CA
 Chevron PM: KS Lead Consultant: Delta/G-R
 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: Kristina Kelly
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested									
		Preservation Codes									
Potable Water	NPDES	Oil Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	
QA	12-13-02																
MW-1		1536	X						3	X	X						
MW-2		1434	X						3	X	X						
MW-3		1628	X						3	X	X						
MW-4		1703	X						3	X	X						
MW-5		1507	X						3	X	X						
MW-6		1155	X						3	X	X						
MW-7		1554	X						3	X	X						

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 24 hour 72 hour 48 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>Kristina Kelly</u>	Date: <u>12/13/02</u>	Time: _____	Received by: <u>Dave</u>	Date: <u>12/16/02</u>	Time: <u>1400</u>
Relinquished by: <u>Dave</u>	Date: <u>12/16/02</u>	Time: <u>1400</u>	Received by: <u>Andres Amaya</u>	Date: <u>12-16-02</u>	Time: <u>1400</u>
Relinquished by: <u>Andres Amaya</u>	Date: <u>12-16-02</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>12-16-02</u>	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other <u>Airborne</u>			Received by: <u>Dave</u>	Date: <u>12/17/02</u>	Time: <u>1010</u>
Temperature Upon Receipt: <u>2-5</u> °C			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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

SAMPLE GROUP

The sample group for this submittal is 834925. Samples arrived at the laboratory on Tuesday, December 17, 2002. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-021213	NA	Water	3963061
MW-1-W-021213	Grab	Water	3963062
MW-2-W-021213	Grab	Water	3963063
MW-3-W-021213	Grab	Water	3963064
MW-4-W-021213	Grab	Water	3963065
MW-5-W-021213	Grab	Water	3963066
MW-6-W-021213	Grab	Water	3963067
MW-7-W-021213	Grab	Water	3963068

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

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

Respectfully Submitted,

Steven A. Skiles
Steven A. Skiles
Sr. Chemist

Analysis Report



Lancaster Laboratories Sample No. WW 3963061

Collected: 12/13/2002 00:00

Account Number: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 15:13
Discard: 01/30/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-021213 NA Water
Facility# 91851 Job# 385145 GRD
451 Hegenberger-Oakland T0600102238 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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	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	12/21/2002 06:37	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 06:37	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 06:37	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected above the Reporting Limit



2426 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report



Lancaster Laboratories Sample No. WW 3963062

Collected: 12/13/2002 15:36 by KK

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-1-W-021213 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 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.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	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	1	12/21/2002 07:44	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 07:44	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 07:44	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected, or above the Reporting Limit



Analysis Report



Lancaster Laboratories Sample No. **WW 3963063**

Collected: 12/13/2002 14:34 by **KK**

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-2-W-021213 Grab Water GRD
 Facility# 91851 Job# 385145
 451 Hegenberger-Oakland T0600102238 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.	53.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	44.	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	12/21/2002 16:07	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 16:07	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 16:07	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected above the Reporting Limit





Lancaster Laboratories Sample No. WW 3963064

Collected: 12/13/2002 16:28 by KK

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-3-W-021213 Grab Water GRD
 Facility# 91851 Job# 385145
 451 Hegenberger-Oakland T0600102238 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.	430.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2,000.	2.5	ug/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/22/2002 19:40	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 18:00	K. Robert James	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 19:40	K. Robert James	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/22/2002 18:00	K. Robert James	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected or above the Reporting Limit





Lancaster Laboratories Sample No. WW 3963065

Collected: 12/13/2002 17:03 by KK

Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-4-W-021213 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 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.	440.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2,200.	2.5	ug/l	5
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/22/2002 20:14	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 18:33	K. Robert James	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/22/2002 20:14	K. Robert James	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/22/2002 18:33	K. Robert James	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above the Reporting Limit





Lancaster Laboratories Sample No. **WW 3963066**

Collected: 12/13/2002 15:07 by **KK**

Account Number: **10905**

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-5-W-021213 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	32.	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	12/21/2002 08:17	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 08:17	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 08:17	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit





Lancaster Laboratories Sample No. WW 3963067

Collected: 12/13/2002 11:55 by KK Account Number: 10905

Submitted: 12/17/2002 10:10
 Reported: 12/30/2002 at 15:13
 Discard: 01/30/2003
 MW-6-W-021213 Grab Water
 Facility# 91851 Job# 385145 GRD
 451 Hegenberger-Oakland T0600102238 MW-6

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	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

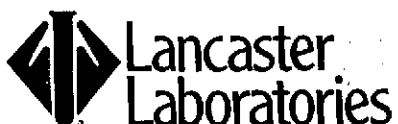
Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/21/2002 08:51	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 08:51	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 08:51	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected at or above the Reporting Limit



Analysis Report



Lancaster Laboratories Sample No. WW 3963068

Collected: 12/13/2002 15:54 by KK

Account Number: 10905

Submitted: 12/17/2002 10:10
Reported: 12/30/2002 at 15:14
Discard: 01/30/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-7-W-021213 Grab Water GRD
Facility# 91851 Job# 385145
451 Hegenberger-Oakland T0600102238 MW-7

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.	57.	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.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	150.	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	12/21/2002 09:25	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/21/2002 09:25	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/21/2002 09:25	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or above the Reporting Limit



2425 N. Hegenberger Pk #1
PO Box 12425
Lancaster, PA 17605-2425



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 12/30/02 at 03:14 PM

Group Number: 834925

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: 02354A16A	Sample number(s): 3963061-3963062,3963066-3963068							
Benzene	N.D.	.2	ug/l	91	91	80-118	1	30
Toluene	N.D.	.2	ug/l	85	86	82-119	1	30
Ethylbenzene	N.D.	.2	ug/l	83	84	81-119	1	30
Total Xylenes	N.D.	.6	ug/l	85	86	82-120	1	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	90	90	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	100	98	74-116	2	30
Batch number: 02354A16B	Sample number(s): 3963063							
Benzene	N.D.	.2	ug/l	91	91	80-118	1	30
Toluene	N.D.	.2	ug/l	85	86	82-119	1	30
Ethylbenzene	N.D.	.2	ug/l	83	84	81-119	1	30
Total Xylenes	N.D.	.6	ug/l	85	86	82-120	1	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	90	90	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	100	98	74-116	2	30
Batch number: 02355A16A	Sample number(s): 3963064-3963065							
Benzene	N.D.	.2	ug/l	94	100	80-118	7	30
Toluene	N.D.	.2	ug/l	88	94	82-119	7	30
Ethylbenzene	N.D.	.2	ug/l	86	92	81-119	8	30
Total Xylenes	N.D.	.6	ug/l	88	94	82-120	7	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	90	95	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	102	110	74-116	8	30

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</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup RPD</u>
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>Max</u>
Batch number: 02354A16A	Sample number(s): 3963061-3963062,3963066-3963068							
Benzene	95		83-130					
Toluene	90		87-129					
Ethylbenzene	88		86-133					
Total Xylenes	89		86-132					
Methyl tert-Butyl Ether	129		66-140					
TPH-GRO - Waters	113		74-132					
Batch number: 02354A16B	Sample number(s): 3963063							
Benzene	95		83-130					
Toluene	90		87-129					
Ethylbenzene	88		86-133					
Total Xylenes	89		86-132					
Methyl tert-Butyl Ether	129		66-140					
TPH-GRO - Waters	113		74-132					
Batch number: 02355A16A	Sample number(s): 3963064-3963065							
Benzene	101		83-130					
Toluene	95		87-129					
Ethylbenzene	94		86-133					
Total Xylenes	95		86-132					
Methyl tert-Butyl Ether	94		66-140					
TPH-GRO - Waters	113		74-132					

*- 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: 12/30/02 at 03:14 PM

Group Number: 834925

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS</u>	<u>MSD</u>	<u>MS/MSD</u>	<u>RPD</u>	<u>BKG</u>	<u>DUP</u>	<u>DUP</u>	<u>Dup</u>
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
								<u>Max</u>

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8021)
 Batch number: 02354A16A

Trifluorotoluene-F Trifluorotoluene-P

3963061	109	107
3963062	107	107
3963066	109	107
3963067	113	107
3963068	111	107
Blank	109	106
LCS	118	106
LCSD	113	105
MS	115	106

Limits: 57-146 71-130

Analysis Name: BTEX, MTBE (8021)
 Batch number: 02354A16B

Trifluorotoluene-F Trifluorotoluene-P

3963063	113	106
Blank	109	107
LCS	118	106
LCSD	113	105
MS	115	106

Limits: 57-146 71-130

Analysis Name: BTEX, MTBE (8021)
 Batch number: 02355A16A

Trifluorotoluene-F Trifluorotoluene-P

3963064	111	105
3963065	111	106
Blank	107	107
LCS	112	106
LCSD	118	106
MS	117	105

Limits: 57-146 71-130

*- 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.

